



Global Procurement

8503340094: Sathyabama Institute of Science and Technology_Raman analysis _Tofa _ 05.05.2022

Version Number : 1
Internal Version : false
Issued on : 5-May-2022
Created on : 5-May-2022 by VENKATARAMAN, SIVAKUMAR

Supplier:
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
JEPPIAR NAGAR RAJIV GANDHI SALAI
CHENNAI
600119
India

Ship To:
PFIZER HEALTHCARE INDIA PRIVATE LIMITED
MODULE NO 1,8TH & 9TH FLOOR,BLOCK C
IIT MADRAS RESEARCH PARK PHASE-II
KANAGAM ROAD,TARAMANI,CHENNAI
600113
India

Deliver To:
VENKATARAMAN, SIVAKUMAR

Bill To:
Please send soft copy Invoice email to:
APDocumentation@pfizer.com
237, Anna Salai, Pincode: 600006
Tamil nadu, Chennai
India

GL Account:
General Ledger Name: PROF &
CONSULTING-OUTSIDE LAB
SERVICE (912)
ID: 0041140000
Cost Center:
Cost Center Name: SH-ARD LAB-
NON GMP
ID: 0002668603
Project/WBS:
Description: Tofacitinib
ID: AD-INDSHOLRD-58
Asset Number:
Internal Order:

Item	Description	Part Number	Unit	Qty	Need By	Unit Price	Extended Amount
1	Raman spectroscopy analysis Qty: 1 No. (...		Service Unit	1	10-May-2022	4,250.00 INR	4,250.00 INR

Raman spectroscopy analysis
Qty: 1 No. (set of five samples)
Cost per sample : 850 INR
Cost for set of 5 samples : 5*850 = 4250 INR

Requester: VENKATARAMAN, SIVAKUMAR
Form:
PR No.: EP5238009
Building: Main Building
Room Number: Ground floor
Extension: 47104
PR No.: PR9615087
Deliver To: VENKATARAMAN, SIVAKUMAR
Ship Via: L3
Shipping Terms: Delivered At Place
Is this an HCP line?: No
Name:
Name:
Contract/Reference Number:

Total	4,250.00 INR
-------	--------------

Comments

- VENKATARAMAN, SIVAKUMAR, 05/05/2022:
Raman spectroscopy analysis
Qty: 1 No. (set of five samples)
Cost per sample : 850 INR
Cost for set of 5 samples : 5*850 = 4250 INR (VENKATARAMAN, SIVAKUMAR, 5-May-2022)
- COMMENT by Wang, Rui on 06/05/2022
Please refer to quote [Sathyabama/CNSNT/Raman Spectroscopy/2021-2022/003]. (Wang, Rui, 6-May-2022)

Attachments

- ATTACHMENT by VENKATARAMAN, SIVAKUMAR on 5-May-2022 at 15:43
Sathyabama Institute of Science and Technology_ Raman analysis _ Tofa _ 05.05.2022.pdf (708706 bytes)

Standard PO Notes:



Global Procurement

8503273873: Sathyabama Institute of Science and technology - Raman Spectroscopy 28.12.2021

Version Number : 1
Internal Version : false
Issued on : 3-Feb-2022
Created on : 3-Feb-2022 by VENKATARAMAN, SIVAKUMAR

Supplier:
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
JEPPIAR NAGAR RAJIV GANDHI SALAI
CHENNAI
600119
India

Ship To:
Pfizer Healthcare India Pvt. Ltd.
Survey No. 476/14, Old Mahabalipuram Road,
Chennai, INDIA
600119
India

Bill To:
Please send soft copy Invoice email to: APDocumentation@pfizer.com
237, Anna Salai, Pincode: 600006
Tamil nadu, Chennai
India

Deliver To:
VENKATARAMAN, SIVAKUMAR

GL Account:
General Ledger Name: PROF & CONSULTING-OUTSIDE LAB SERVICE (912)
ID: 6041140000
Cost Center:
Cost Center Name: SH-ARD LAB-NON GMP
ID: 6002666603
Project/WS:
Description: Methylprednisolone Sulfate tablets monosodium
ID: AD-INDSHOLRD-56
Asset Number:
Internal Order:

Item	Description	Part Number	Unit	Qty	Need By	Unit Price	Extended Amount
1	Raman Analysis Qty: 1 (set of 2 samples) ... Raman Analysis Qty: 1 (set of 2 samples) Cost per sample : 850 INR For Qty: 1 (Set of 2 samples) : 850*2= 1700 INR		Service Unit	1	31-Mar-2022	1,700.00 INR	1,700.00 INR

Requester: VENKATARAMAN, SIVAKUMAR
Form:
PR No.: EP5164033
Building: Main Building
Room Number: Ground floor
Extension: 47104
PR No.: PR0486681
Deliver To: VENKATARAMAN, SIVAKUMAR
Ship Via: L3

Shipping Terms: Delivered At Place

Is this an HCP line? No

Name:

Contract/Reference Number:

Total

1,700.00 INR

Comments

- VENKATARAMAN, SIVAKUMAR, 03/02/2022:
Raman Analysis
Qty: 1 (set of 2 samples)
Cost per sample : 850 INR
For Qty: 1 (Set of 2 samples) : 850*2= 1700 INR (VENKATARAMAN, SIVAKUMAR, 3-Feb-2022)
- COMMENT by CAO, MIN on 04/02/2022
Please refer to the quote sent to Pfizer 28/12/2021. (CAO, MIN, 4-Feb-2022)

Attachments

- ATTACHMENT by VENKATARAMAN, SIVAKUMAR on 3-Feb-2022 at 18:10
Sathyabama Institute of Science and technology - Raman Spectroscopy 28.12.2021.pdf (518869 bytes)

Standard PO Notes:

2022



Global Procurement

8503076995: Sathyabama Institute of Science and Technology UV analysis 22.06.2021

Version Number : 1
 Internal Version : false
 Issued on : 27-Jul-2021
 Created on : 27-Jul-2021 by VENKATARAMAN, SIVAKUMAR

Supplier:
 SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
 JEPPIAR NAGAR RAJIV GANDHI SALAI
 CHENNAI
 600119
 India

Ship To:
 Pfizer Healthcare India Pvt. Ltd.
 Survey No. 476/14, Old
 Mahabalipuram Road,
 Chennai, INDIA
 600119
 India

Bill To:
 Please send soft copy Invoice email to:
 APDocumentation@pfizer.com
 237, Anna Salai, Pincode: 600006
 Tamil nadu, Chennai
 India

Deliver To:
 VENKATARAMAN, SIVAKUMAR

GL Account:
 General Ledger Name: PROF & CONSULTING-
 OUTSIDE LAB SERVICE (912)
 ID: 0041140000
Cost Center:
 Cost Center Name: AT- Staffing
 ID: 0002668654
Project/WBS:
 Description: Common- Solvents , Reagents
 etcâ€¦
 ID: AD-INDSHOLRD-32
 Asset Number:
 Internal Order:

Item	Description	Part Number	Unit	Qty	Need By	Unit Price	Extended Amount
1	Uv-Vis absorption Studies Qty: 1 (Set of 10 ... Uv-Vis absorption Studies Qty: 1 (Set of 10 samples)		Service Unit	1	1-Aug-2021	18,300.00 INR	18,300.00 INR

Requester: VENKATARAMAN, SIVAKUMAR
 Form:
 PR No.: EP4886069
 Building: Main Building
 Room Number: Ground floor
 Extension: 47104
 PR No.: PR8918641
 Deliver To: VENKATARAMAN, SIVAKUMAR
 Ship Via: L3
 Shipping Terms: Delivered At Place
 Is this an HCP line?: No
 Name:
 Name:
 Contract/Reference Number:

Total 18,300.00 INR



Contract Research Agreement (the "Agreement")

THIS AGREEMENT is effective this 28th day of June 2021 by and between the Sathyabama Institute of Science and Technology, with an office at Centre for Ocean Research, Jeppiaar Nagar, Rajiv Gandhi Salai, Sholinganallur, Chennai – 600 119, Tamilnadu, India (hereinafter "Institution") and Umami Meats Pte Ltd with an office at 71 Ayer Rajah Crescent, #03-01, Singapore, 139951 (hereinafter "Sponsor").

[collectively referred to as the "Parties", and individually as a "Party"]

WHEREAS, the Parties desire to conduct certain research programs of mutual interest to the parties; and

WHEREAS, such research programs may further the research objectives of Sponsor in a manner consistent with its status as developer of cell-cultured seafood, and may derive benefits for both Institution and Sponsor through inventions, improvements or discoveries;

NOW, THEREFORE, in consideration of the promises and mutual covenants herein contained, the parties hereto agree to the following:

ARTICLE 1 - DEFINITIONS

As used herein, the following terms shall have the following meanings:

- 1.1 "Project" shall mean a project described in a fully executed Project Proposal.
- 1.2 "Project Proposal" shall mean a research proposal which is attached hereto and incorporated herein by reference.
- 1.3 "Contract Period" will be the period, beginning July 1, 2021 through September 30, 2021, renewable in accordance with the terms hereof, unless earlier terminated pursuant to this Agreement.
- 1.4 "Intellectual Property" shall mean individually and collectively all patents, rights to inventions, trademarks, service marks, registered designs, copyrights and related rights, database rights, design rights, rights to use and protect confidential information, trade secrets, in each case whether registered or unregistered, including rights to apply for and be granted and applications for any of the above, and any continuations, continuations-in-part, divisional applications, renewals or extensions of, and rights to claim priority from, those rights, and any similar right recognized from time to time in any jurisdiction, together with all rights of action in relation to the infringement of any of the above
- 1.5 "Results" shall mean all information, data, techniques, Know-how, results, inventions, discoveries, software and Materials (regardless of the form or medium in which they are



APPENDIX A – PROJECT SCOPE

Principal Investigator at Institution: Dr. Parameswaran Vijayakumar

Project Duration: 3 months

Project Aims:

- To isolate primary muscle progenitor cells from fish tissues of up to 2 species
- To establish primary muscle progenitor cultures from up to 2 species
- To establish a cell line from at least 1 fish muscle progenitor cell line, including defined growth parameters and cell culture media conditions required for continued culture

Deliverables:

- Protocol for isolation and primary culture of muscle progenitor cells
- Data, images, and other characterization work supporting the establishment of the cell line
- Defined growth and cell culture media parameters for continuous culture of muscle progenitor cells
- Established cell line, live; form factor for delivery may be frozen cryovial, tissue culture flask, or another form mutually agreed upon by both parties.

भारत सरकार
अंतरिक्ष विभाग (अं.वि.)
विक्रम साराभाई अन्तरिक्ष केन्द्र
तिरुवनन्तपुरम -695022
क्रय एवं भंडार

इसरो isro

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE (DOS)
VIKRAM SARABHAI SPACE CENTRE
THIRUVANANTHAPURAM 695022
PURCHASE UNIT-V,MME,RFF AREA
Ph No. 0471-2562831,3611,3577,3327 Fax 0471-2562021
e-mail : spso_mme_pur@vssc.gov.in

निविदा आमंत्रण
INVITATION TO TENDER

मैसर्स
M/s

\$73574

SATHYABAMA UNIVERSITY OF SCIENCE AND
TECHNOLOGY

DR. T. SASIPRABHA, PRO VICE CHANCELOR,
SHOLINGANALLUR

CHENNAI 600119

INDIA

Ph. 044-24503150/3151 Fax. 2341814

हमारी संदर्भ सं

Our Ref. No. 6084 2021-002473-01

निविदा अंतिम तिथि

Tender Due at 14:00 hrs IST on 21/10/2021

महोदय

Dear Sirs,

कृपया निम्नलिखित मदों की आपूर्ति के लिए अनुलग्नक (फार्म सं. संलग्न) में उल्लिखित निबंधन एवं शर्तों के अनुसार संलग्न निविदा प्रपत्र में वर्णनात्मक सूचीपत्र/पैम्फलेट/साहित्य सहित हमारी संदर्भ सं. एवं अंतिम तिथि (मोटे अक्षरों में) ऊपर लिखते हुए अपनी मुहरबंद निविदा प्रस्तुत करें।

Please submit your sealed quotation, in the Tender Form enclosed here along with the descriptive catalogues /pamphlets /literature, superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure (Form No. null)

क्र.सं. Sl. No.	विनिर्देशों सहित मद का विवरण Description of items with Specifications	इकाई Unit	मात्रा Quantity
1	Powder XRD characterization	Nos.	100
2	10-90 degree. Raw data in the form of XRDML file and pdf copy of the data to be provided.		0

सुपुर्दगी स्थल

Delivery At VSSC, TRIVANDRUM

प्रेषण की विधि

Mode of Despatch

शुल्क छूट

Duty Exemptions

विशेष अनुदेश

Special Instructions NIL

विशेष निबंधन

Specific Terms

निविदाकारों को अनुदेश

Instructions to Tenderers

R

BEENA S

PURCHASE & STORES OFFICER

भारत के राष्ट्रपति के लिए एवं ओर से
For and on behalf of the President of India

क्रेता / The Purchaser

**[PrEl's Biotech India Private Limited
Chennai, Tamil Nadu, India]**

Date: 28-09-2022

SANCTION ORDER (Ref: PRBSO1-280922)

Director, PrEl's Biotech India Private Limited is pleased to sanction a consultancy project entitled "Development of functional microbial consortia for sustainable environmental and industrial applications" to Sathyabama Institute of Science and Technology, Chennai at a total cost of Rs. 1,10,000/- (Rupees one lakh and ten thousand only) for a period of One year on the terms and conditions detailed hereunder:

1. The Project

Development of functional microbial consortia for sustainable environmental and industrial applications

2. Implementation

The project will be carried out at the Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology as detailed in Annexure I. The project will be executed by Dr M. Radhakrishnan, Scientist E, Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology as Principal Investigator (PI) and Dr. K. Manigundan, Scientist C, Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology as Co-Principal Investigator (Co-PI). The time period for the project is from 1st October 2022 – 30th September 2023.

3. Project Objectives

- 1) To explore potential chromium adsorbing/reducing bacteria from tannery industrial waste and other related sources.
- 2) Isolation and characterization of potential rubber degrading bacteria from rubber forest soil/rubber waste and other related sources.
- 3) Isolation and characterization of potential plastic degrading bacteria from contaminated soil and other related sources.
- 4) Isolation and characterization of biosurfactant from bacteria and its evaluation for oil degradation from food and beverage industries and other related sources.

4. Fund release

The budget Rs. 1,10,000/- sanctioned for the project will be released as two instalments i.e. Rs. 55,000/- as 1st instalment during the first month of project. The remaining amount of Rs. 55,000/- will be released as 2nd instalment during the 7th month of project period.

5. Additional funds

Based on the progress and requirements for expansion of the project to include additional objectives recommended and agreed by both Dr. Radhakrishnan and Dr. Elavazhagan Murugan, PrEl's Biotech India agrees and is pleased to pay an additional 30% of the project cost.

Fund will be transferred electronically to the account details given below:

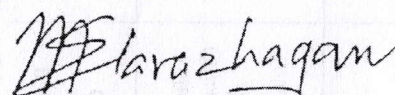
Name of the Account Holder : Vice Chancellor, Sathyabama Institute of Science and Technology
Type of Account : Current Account
Account Number : 6500955039
Bank Name : Indian Bank
Bank Address : Sathyabama Institute of Science and Technology,
Old Mahabalipuram road, Jeppiaar Nagar, Chennai
Branch name : Sathyabama University
IFSC Code : IDIB000S201

6. Breakup Budget Details

Heads	I Instalment	II Instalment	Total Budget (Rs)
Manpower	-	-	-
Consumables	30,000	30,000	60,000
Contingency	15,000	15,000	30,000
Travel	5,000	5,000	10,000
Institutional Over head charges (10%)	5,000	5,000	10,000
Grand Total (Rs)	55,000	55,000	1,10,000

7. Project Review

The concerned PI will report about the progress to the Head of the respective Institute and as well to the PrEl's Biotech India Private Limited for every three months of project duration.



Dr. Elavazhagan
Founder and Director
PrEl's Biotech India Private Limited

www.algofusion.org

ALGOX FUSION

AN E-LEARNING & SKILL DEVELOPMENT COMPANY

Consultancy Project Report

PROJECT INNOVATION & DEVELOPMENT CENTRE (PRIDE)

Department of Computer Science & Engineering

Sathyabama Institute of Science and Technology,

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 19.

web: www.sathyabama.ac.in | antopraveena.cse@sathyabama.ac.in

ALGOX FUSION

AN E-LEARNING & SKILL DEVELOPMENT COMPANY

PROJECT PROPOSAL

Proposed To

Ms.Anto Praveena, Dr.K.Ashok Kumar, Dr.Prem Jacob

PROJECT INNOVATION & DEVELOPMENT CENTRE (PRIDE)

Department of Computer Science & Engineering,

Sathyabama Institute of Science and Technology,

Jeppiar Nagar, Rajiv Gandhi Salai, Chennai – 19.

web: www.sathyabama.ac.in | antopraveena.cse@sathyabama.ac.in

Mail Correspondence Between Algo Fusion & Sathyabama Institute



ashok kumar <ashokkumar.cse@sathyabama.ac.in>

[PRIDE-SIST]: MOBILE APP DEVELOPMENT PROJECT PROPOSAL FROM ALGOX FUSION.

Thu, Sep 30, 2021 at 5:11 PM

lenin.prakash@algofusion.org <lenin.prakash@algofusion.org>
To: pride.soc@sathyabama.ac.in
Cc: praveen.p@algofusion.org, karthiga.r@algofusion.org, anburaj.r@algofusion.org, info@algofusion.org, dean.computing@sathyabama.ac.in, csehod@sathyabama.ac.in, albertmayan@gmail.com, ashokkumar.cse@sathyabama.ac.in

Dear Sir/Madam,

We would like to outsource a **Mobile Application (Flutter)** project to PRIDE team (Sathyabama Institute of Science and Technology) for our e-learning product. We are happy to join and do a business with your team.

Please find attached the Project Proposal (**PROP. NO: AXF/PROP/SIST/02/SEP/2021**) document which contains project summary and technology stack which we are looking to use in our Mobile Application. I request you to share the ETA, Estimate/Quote and Invoice for the given Project Scope/requirements. Based on your confirmation, we would like to kick-start the project in a day or two with all necessary action.

Also, I request you to update the payment terms and mode along with the Invoice. Kindly take a look and let me know in case of any information needed from our end.

Thanks & Regards,

Lenin Prakash,

CTO,

Algox Fusion Private Limited,

Chennai | Salem | Krishnagiri

Ph: +91 96297 73355

Email: lenin.prakash@algofusion.org

AXF-PROP-SIST-020921.pdf
242K



ashok kumar <ashokkumar.cse@sathyabama.ac.in>

UPDATE PROPOSAL FROM ALGOXFUSION PRIVATE LIMITED

Tue, Oct 12, 2021 at 12:41 PM

Algo Fusion <info@algofusion.org>
To: ashokkumar.cse@sathyabama.ac.in
Cc: lenin.prakash@algofusion.org, praveen.p@algofusion.org, ashokkumark.cse@gmail.com

Dear Sir,

Kindly find the updated Project Proposal along with the MoU between the company and the Institutions for technology training from AlgoxFusion Pvt. Ltd.,

Regards

AlgoxFusion Pvt. Ltd.,

Chennai

4 attachments

PROPOSAL-APP-DEV.pdf
243K

PROPOSAL.docx
1198K

Algox_SIST_MoU.pdf
189K

Algox_SIST_MoU.docx
36K

INVOICE**Date : 30 / 10 / 2021****INVOICE : SOC/PRIDE/AlgoFusion/2021/10****Sathyabama Institute of
Science and Technology,**Jeppiaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119**Bill To :****Mr. Praveen Kumar P,
CEO**Algo Fusion Pvt Ltd.,
4571 Colonial Drive, Usman Road, T.
Nagar, Chennai-17.,
Phone- 90470-48344
Email: info@algofusion.org
Web: algofusion.org**Project Proposed By :****Project Innovation and Development Centre (PRIDE)**
Department of Computer Science and Engineering**Project Name :****Mobile Application Development for LMS platform.****Project Description:**Mobile Application Development to build a modern
and interactive mobile application LMS for end users.**Description****Duration****Cost****Total****Module 1**Splash Screen, On-Boarding Screens, Login
Page, Login OTP, My Course, Filter Option

25 Days

Rs.83,500/-

Rs.83,500/-

Module 2Lesson Page-Percentage, Full Screen video
view, Video Playbacks and Controls,
Textual Content, Rich Text Content, EDD
option, Quizzes, Payment Page

35 Days

Rs.94,000/-

Rs.94,000/-

Sub Total : **1,77,500/-****1,77,500/-**

Tax Rate : 0.00%

Total : **1,77,500/-****1,77,500/-**Tax Amount (In Words) : **INR One Lakh Seventy Seven Thousand and Five Hundred Only****Dean**

School of Computing

HOD

Dept. of CSE

Pride Coordinators

Project Innovation and Development Centre

Project Coordinators1.
2.
3.



Cloud-Based Automated Inradius Authenticated Attendance System

Consultancy Project Report

PROJECT INNOVATION & DEVELOPMENT CENTRE (PRIDE)

Department of Computer Science & Engineering

**Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 19.**

www.sathyabama.ac.in



Cloud-Based Automated Inradius Authenticated Attendance System

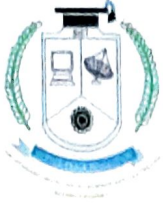
Consultancy Project Report

PROJECT INNOVATION & DEVELOPMENT CENTRE (PRIDE)

Department of Computer Science & Engineering

**Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 19.**

www.sathyabama.ac.in



Cloud-Based Automated Inradius Authenticated Attendance System

Consultancy Project Documentation

Project Coordinators:

Dr R Aroul Canessane, Dr Sathya Bama Krishnan,

Mr Murari Kamalesh, Dr Mohana Prasad

Associate Professors, Department of Computer Science & Engineering

Project Innovation and Development Centre

Sathyabama Institute of Science & Technology, Chennai



Project Proposal

Project Title: Cloud-Based Automated Inradius Authenticated Attendance System

To

Dr.K.Ashokkumar

Professor - CSE

Sathyabama Institute of Science and Technology

Semmancheri, Tamil Nadu 600119

Email : ashokkumar.cse@sathyabama.ac.in

<https://www.sathyabama.ac.in/>

From,

Sidharth

Advantage Pro

Jhaver Plaza, 1-A, Wing 1 & 2, 4th Floor, Nungambakkam High Rd,

Nungambakkam, Chennai, Tamil Nadu 600034

Email : sidharth@advantagepro.in

www.advantagepro.in



ashok kumar <ashokkumar.cse@sathyabama.ac.in>

Fw: Project Proposal Reg

2 messages

sidharth@advantagepro.in <sidharth@advantagepro.in>
To: ashok kumar <ashokkumar.cse@sathyabama.ac.in>

Tue, Nov 9, 2021 at 2:14 PM

From: sidharth@advantagepro.in
Sent: Sunday, October 10, 2021 9:07 PM
To: pride.soc@sathyabama.ac.in
Cc: dean sathyabama ; cse hod sathyabama ; ashok kumar ; Albert John ; Ranjit
Subject: Project Proposal Reg

Dear Sir/ Madam,

Greetings!!!

Pease find attached Project proposal along with Invoice Copy.

Kindly go through the same and send us the details to do further process.

With Warm Regards

Sidharth
9840982184
Business Development Manager

Advantage Pro (Vectra Technosoft Pvt. Ltd.)
Wings 1 & 2, IV Floor, Jhaver Plaza,
1A, Nungambakkam High Road, Nungambakkam, Chennai-600034.
Phone: 28263530/40 Telefax: 28263527

Email : sidharth@advantagepro.in

Web : www.advantagepro.in



2 messages

Tue, Nov 9, 2021 at 2:14 PM

Web : www.advantagepro.in

LET's COMMIT WHAT WE CAN HONOR TOGETHER
LET's HONOR WHAT WE HAVE COMMITTED TOGETHER
- TEAM ADVANTAGE PRO

Follow Us

Facebook : /advantageprovetra

Google Plus : /+AdvantageproIn

Linkedin : /advantage-pro

Youtube : /advantageprovetra

Disclaimer

This communication may contain confidential and / or privileged information intended only for the person or entity to which it is addressed. If you have received this in error, please notify the sender by reply mail and delete this message from your computer. You are prohibited from copying disseminating, retransmitting and / or delete

2 attachments

 **Project proposal for SIST.pdf**
72K

 **Pride Advantage Pro _Invoice.pdf**
466K

Fri, Nov 19, 2021 at 12:13 AM

ashok kumar <ashokkumar.cse@sathyabama.ac.in>

To: sidharth <sidharth@advantagepro.in>

Cc: pride.soc@sathyabama.ac.in, Dean SCHOOL OF COMPUTING <dean.computing@sathyabama.ac.in>, Hod CSE <csehod@sathyabama.ac.in>

Bcc: Albert Mayan J <albert.cse@sathyabama.ac.in>

reply for ref:

From: sidharth@advantagepro.in

Sent: Sunday, October 10, 2021 9:07 PM

To: pride.soc@sathyabama.ac.in

Cc: dean sathyabama ; cse hod sathyabama ; ashok kumar ; Albert John ; Ranjit

Subject: Project Proposal Reg

1/10/22, 12:33 PM

Sathyabama Institute of Science and Technology (Deemed to be University) Mail - Fw: Project Proposal Reg

As per our discussion about the consultancy project work modification have been done and I have attached the file for the modified topic and included additional features along with the consultancy work invoice for further work to be done. so kindly consider for release of payment.

[Quoted text hidden]

--

Thanks & Regards

Dr.K.Ashokkumar
Associate Professor
Department of Computer Science & Engineering
School of Computing
Sathyabama Institute of Science & Technology
(Deemed to be University)
Chennai-119, India.

2 attachments

 **Project proposal for SIST-Cloud.doc**
348K

 **Advantage pro-invoice.doc**
53K

INVOICE

Date : 09 /10 / 2021

INVOICE : SOC/PRIDE/ADVPRO/20/2021/



Sathyabama Institute of
Science and Technology,
Jeppiaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119

Bill To :

Mr. Ranjit Sengupta,
Director,
Vectra Technosoft Pvt Ltd,
1a, Jhaver Plaza, 4th floor
Nungambakkam
N.H.Road, Chennai-34

Mobile : 9840982184

Email : ranjit@@vectratech.in

Project Proposed By :

Project Innovation and Development Centre (PRIDE)
Department of Computer Science and Engineering

Project Name : Project for development scenarios
on how to work with Public Cloud Vendors

Project Description:

- Understanding and explanation the concepts of Cloud Computing and its Importance
- Virtualization and its Importance in Cloud Computing
- Understanding Cloud Computing as a Service model
- Understanding and working with Amazon AWS cloud world
- Understanding and working with Google Cloud Platform
- Understanding and working with Microsoft Azure Cloud
- Identify best cloud platform and deploy cloud solutions based on requirement
- Understand different cloud models and their deployment
- Design and deployment of cloud backup solutions and security
- Understanding of Containerization

Description	Duration	Cost	Total
Module 1 : - Understanding and explanation the concepts of Cloud Computing and its Importance - Virtualization and its importance in Cloud Computing - Understanding Cloud Computing as a Service model - Understanding and working with Amazon AWS cloud world - Understanding and working with Google Cloud Platform	10 Days	1,00,000/-	1,00,000/-
Module 2: - Understanding and working with Microsoft Azure Cloud - Identify best cloud platform and deploy cloud solutions based on requirement - Understand different cloud models and their deployment - Design and deployment of cloud backup solutions and security - Understanding of Containerization	12 Days	1,07,000/-	1,07,000/-
Sub Total :		2,07,000/-	2,07,000/-
Tax Rate :		0.00%	
Total :		2,07,000/-	2,07,000/-
Total Amount (In Words) : INR Two Lacs Seven Thousand only			
Dean School of Computing	HOD Dept. of CSE	Pride Coordinators Project Innovation and Development Centre	Project Coordinators 1. Dr. R. Anand 2. Dr. R. Sathya 3. Dr. Mohana Prasad 4. Mr. Kamalesh

INVOICE

Date : 30 / 10 / 2021

INVOICE : SOC/PRIDE/ ADVPRO/20/2021/



**Sathyabama Institute of
Science and Technology,**
Jepplaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119

Bill To :

Mr. Ranjit Sengupta,
Director,
Advantage Pro (Vectra Technosoft
Pvt. Ltd.)
Wings 1 & 2, IV Floor, Jhaver Plaza,
1A, Nungambakkam High Road,
Nungambakkam, Chennai-600034.
Phone: 28263530/40
Telefax: 28263527

Project Proposed By :

Project Innovation and Development Centre (PRIDE)
Department of Computer Science and Engineering

Project Name :

Cloud-Based Automated Inradius Authenticated
Attendance System.

Project Description:

cloud-based attendance system helps to take
attendance data with a completely automatic
process.

Description	Duration	Cost	Total
Modules phase 1 Admin Registration , Add Users , Mark Attendance , User enters Reg# and the systems verifies it	15 Days	Rs.100,000/-	Rs.100,000/-
Module 2 Generates OTP, receives user coordinated and mark present New users fill the registration form and generate QR code, User app sends device coordinates to perform operations	25 Days	Rs.107,000/-	Rs.107,000/-
Sub Total :		2,07,000/-	2,07,000/-
Tax Rate :		0.00%	
Total :		2,07,000/-	

Tax Amount (In Words) : INR Two Lakh Seven Thousand Only

Dean

School of Computing


HOD

Dept. of CSE

Pride Coordinators

Project Innovation and Development Centre

Project Coordinators

1. 
2. 
3. 

Overview

A cloud-based attendance system helps to take attendance data with a completely automatic process. With the scanning process of the employee's/student's id card, all the information and data about that individual stores in the system. As a result, details like date, in-time, out-time, total working hours have been stored. Admin can add new employees simply by filling up personal information and registering.

Abstract

Attendance is the most time-consuming task though there exist alternatives a specified device is essential to mark attendance some of them are NFC based attendance, facial feature-based attendance, RFID based attendance, biometric based attendance. Each attendance system mentioned above have its own disadvantages and spamming techniques which makes students to make themselves present though they are not. So, we came up with an idea to overcome all those defects and complete the task within seconds.

Project Overview

The main benefit of choosing a cross-platform framework (Flutter) over native applications is the amount of time spent developing and iterating on new features. Many of the tools and enhancements from web development have started to make their way to mobile through React Native and some of the other cross-platform frameworks. React Native has benefitted from React, while Xamarin has benefitted from the recent enhancements to ASP.Net Core MVC.

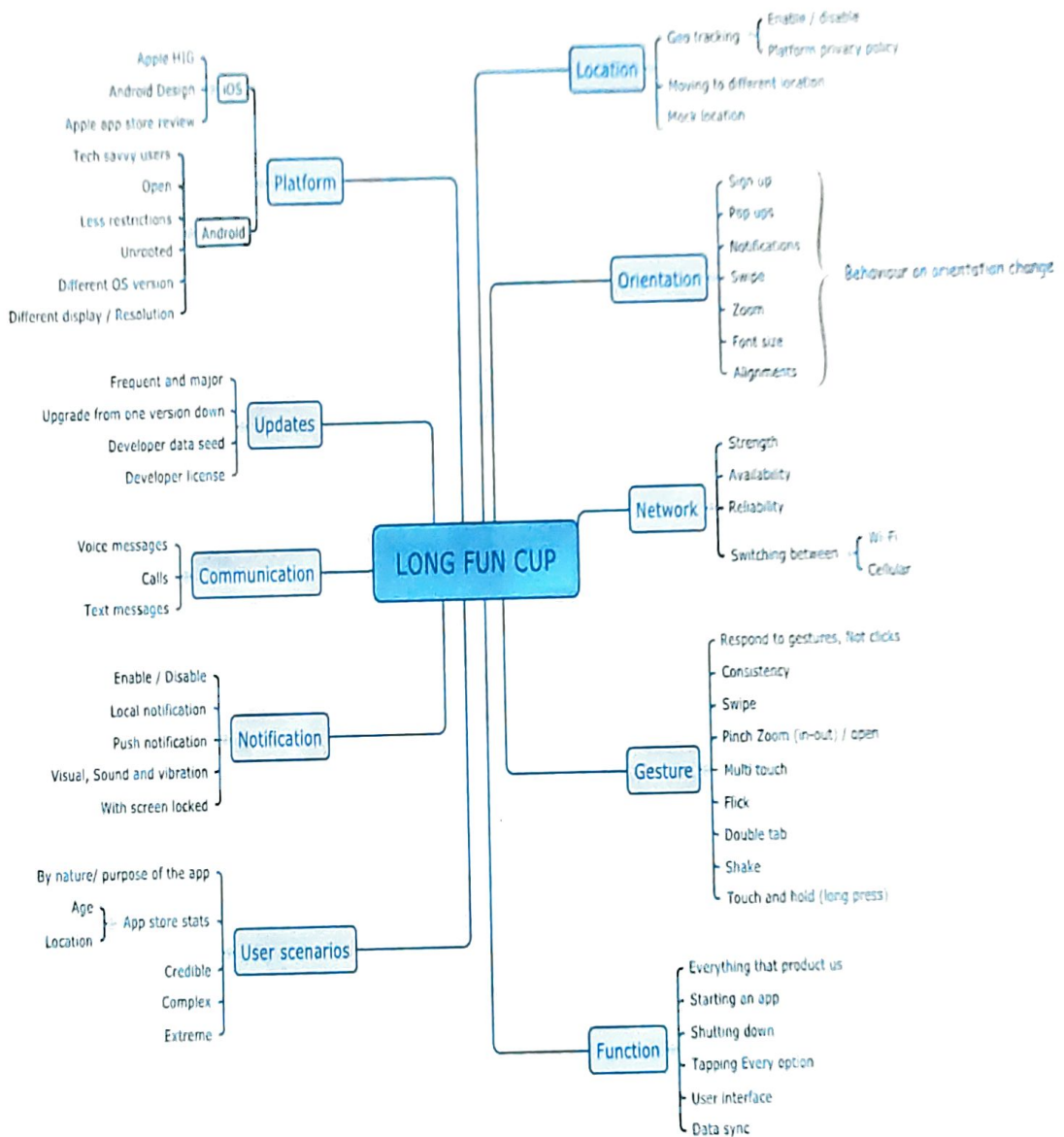
Flutter wasn't designed as a framework specifically for mobile development. It's Google's portable UI toolkit that can be run on a variety of form factors. Because of this, it doesn't have to worry about the constraints that are typically imposed by the mobile platform.

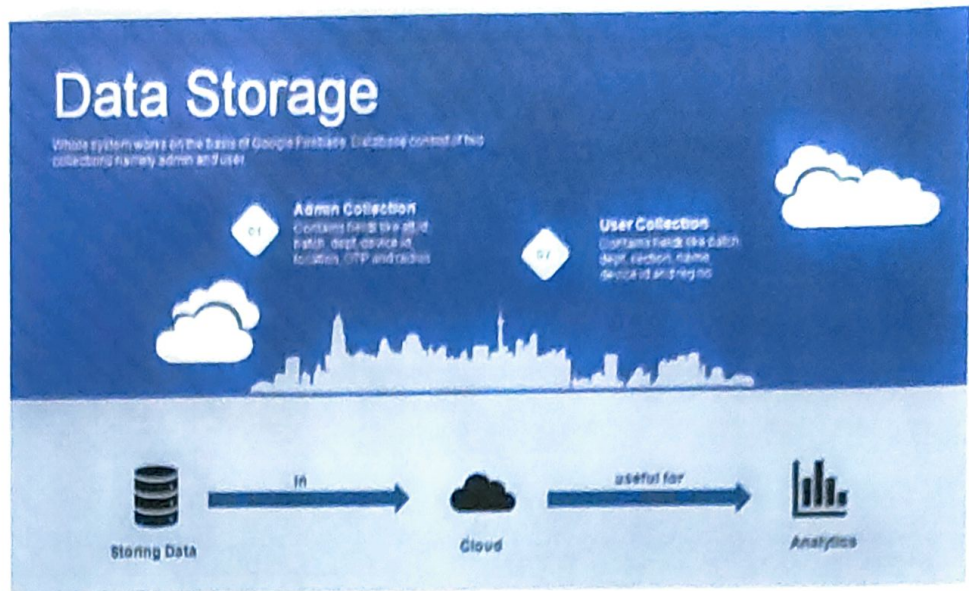
In addition to this, the Dart programming language allows for stateful, hot reloading as you make changes to the code. Android has this functionality if you're making changes to the XML template for a fragment, but if any changes are necessary to rebuild the project, you will need to start from scratch. Since the UI of a Flutter app is entirely built with Dart, this stateful, hot reloading is always available as you make changes to any part of the Flutter app.

Objective of the Project

- As like other systems not even a single device extra is not required.
- System is flexible so elasticity is possible.
- Accessible only by the authorized persons.
- Security is issues will be handled by Google.
- Very negligible cost

Architecture





Methods

Foundation Library

API

The Language & Ui

Modules

Admin Registration

Add Users

Mark Attendance

Generate QR Code

OTP Screen

Manual Attendance

Outline of the Project

In this world everything is getting automated and yes marking attendance too. An organization need to track its employees and their presence, so they use RFID technology. But if the same task of acknowledging the presence of a student in a class during each hour is done manually, the only reason of educational institutes not getting automated is due to the drawbacks of the automated techniques.

A common complaint among the existing systems is each has its own spamming technique. Some of them can also be hacked because of lack of security during development phase. Any repair in the system can cause delay to the whole day. A common proposal is not to have any extra devices, must be elastic, accessible, secured and economical. To be up-to-date and satisfy all the above properties can be accomplished only through a mobile app. Though there exist technologies like Native apps which is used to create hybrid apps, the introduction to the latest technology “Flutter” makes the system more interesting.

Widgets

As mentioned, Flutter is all about widgets!

Widgets are building blocks with which you compose the user interface for your app. A button would be a widget, so would a text output be. You also have “invisible” widgets which you don’t see directly on the screen but which you use to structure and control other (visible) widgets. For example, there is a “Column” widget in Flutter, with which you can order other widgets (e.g. buttons or text widgets) in a column, sitting above each other.

You build your user interface in code only - there is no visual drag and drop editor or anything like that. Instead, you build a so-called “widget tree”, which means, that you have one top-most widget (often the “MaterialApp” widget) which then takes other widget(s) as arguments - and so on.

You also build your own widgets in Flutter - actually, your entire app is wrapped in one core widget that you build. Your widgets then are composed from other built-in or custom widgets.

A basic Flutter app could look like this:

```
Widget build(BuildContext context)
{ // each widget has a build() method
  return MaterialApp(home: Scaffold (
```



```

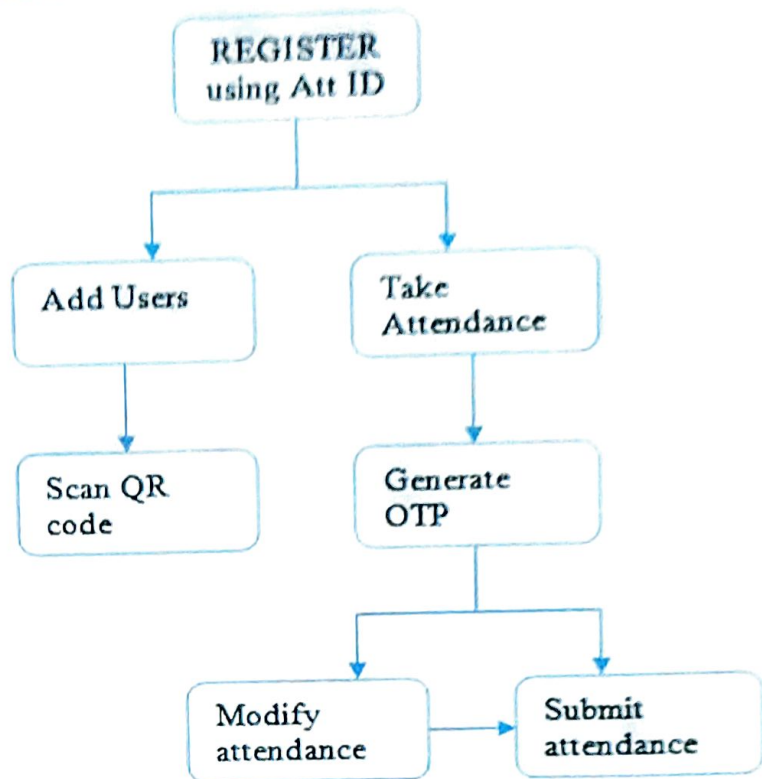
body:
  Column (
    children: [
      Text('This gets drawn on the screen!'), RaisedButton(child: Text('Tap
mel'), onPressed: () {}),
    ],
  ),
);
}

```

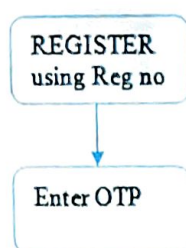
This would in the end draw some text and a button onto the screen. Typical for widget trees is the trailing comma at the end of each line. It's technical not required but can be used in conjunction with your IDEs auto-formatting functionality to structure your code in a highly readable way.

In this example, you can also see the widget tree: We have widgets nested into each other - MaterialApp, Scaffold, Column, Text and RaisedButton are all widgets built-into Flutter. And we pass them all into each other as named arguments in their constructors. For example, the Column() widget has a children argument which takes a list of other widgets (Text and RaisedButton in this example).

FLOWCHART



Fia 3.2.1 : Admin App



ARCHITECTURE USED

LONG FUN CUP Architecture

- 1) Location related operations like Geo tracking, Moving to different locations
- 2) Orientation changes, behaviour changes
- 3) Network strength, availability, reliability and switching b/w Wi-Fi and cellular
- 4) Gesture means responses to different clicks, swipe, pinch, etc.,
- 5) Function is nothing but functionality like start, terminate app, etc.,
- 6) User Scenarios like purpose of the app, target users, etc.,
- 7) Notification enabling, disabling, sound, vibration, etc.,
- 8) Communication consist of calls, messaging, etc.,
- 9) Updates are very crucial as the requirements of users grows rapidly
- 10) Platform, the app should be available to users of different OS

APPROACH

Two applications were developed one for admin say 'A' and one for user say 'U'. The admin app will be available as an APK file and not be published over play store for security reasons. The user app will be available over internet. Once the admin installs the application, he should register to use where the admins' Attd Id and mobile number should be given. These were stored as fields in collections over Firebase. Admin have the privilege to add users through 'A' and those users can be able to use the 'U'. Admin adds users by filling the form with required data say Reg#, Mobile#, Batch (start year), Dept, Sec, authentication image (biometric image, voice recording or facial features). The users who were added by admin over database (**Table. 1**) have the access to use the 'U' app. The first step is to authenticate with available option (Fingerprint authentication, voice recognition or facial recognition). In the system it is opted to implement with biometric or by using KYC technique. There by the security of the system will be high and spamming is negligible.

Att_ID	Batch	Dept	Dev_Id	Loc	OTP	Radius	Section
1555	2016-2020	CSE	864b9cec45896	Tf311dt5s	0	3	F
1444	2017-2021	ECE	46965y55hgds7	Tj668sdh	256312	5	A
5465	2016-2020	CIVIL	8df64665fgfg55	Tff5466fff	0	3	B
2111	2019-2023	CSE	8fkj656545fff5	T56bfu54d	0	3	A
1586	2016-2020	EEE	9hyff5dfvdfvbv	T66ejifhew	546987	5	D

Table. 1Admin Data

Using facial recognition requires more space or storage to store all the pictures the best alternative without storing the pictures is using KYC this uses AADHAR's picture to recognize. So, no data storage space required. Then the admin has the option to generate an OTP over 'A' and this also gets stored in collection as a field. The OTP generated is announced to the users and it should be verified in 'U' with in each time frame. If the verification done successfully, then a field say 'verified' in users' collection (**Table.2**) is marked as '1' where it is '0' initially which automatically marks as present after third step. In other case if verification fails or verification not done in timeframe then manual method is applied.

Att_stamp	Batch	Dept	Dev_Id	Loc	Reg#	Is_veri	Section
20-01-20	2016-2020	CSE	764b9cec45896	Tf311dt5s	36111320	1	F
18-02-20	2017-2021	ECE	5hgdsjhkdsksd7	Tkjbsdcs	3864555	1	S
02-02-20	2016-2020	CIVIL	6df64665fgfg55	Tff5466fff	3654656	1	B
21-01-20	2019-2023	CSE	2fkj656545fff5	T56bfu54d	3911656	1	A
18-02-20	2016-2020	EEE	8hyff5dfvdfvbv	T66ejifhe	361254	1	D

Table.2 User Data

Admin also have a privilege to mark attendance manually, this happens only if OTP verification fails. Admin also has the right to mark OD to users with certain permissions where these users will be marked as 'od' in verification field of collection. The final step is, the location of 'A' will be captured while OTP generated and the location of 'U's also captured while verifying OTP. If the 'U's location is in range of given radius (defined in app at development in real-time) then the verified field updating is accomplished. If the 'U's location is not in 'A's radius range, then this 'U' is considered as malpractice and marked '0' in verified field of collection.

GEOLOCATION PLUGIN (FLUTTER)

A Flutter geolocation plugin which provides easy access to the platform specific location services (FusedLocationProviderClient or if not available the LocationManager on Android and CLLocationManager on iOS)

Features

- Get the current location of the device;
- Get the last known location;
- Get continuous location updates;
- Check if location services are enabled on the device;
- Translate an address to geocoordinates and vice verse (a.k.a. Geocoding);
- Calculate the distance (in meters) between two geocoordinates;

Calculate Distance

To calculate the distance (in meters) between two geocoordinates you can use the distanceBetween method. The distanceBetween method takes four parameters:



Parameter	Type	Description
startLatitude	double	Latitude of the start position
startLongitude	double	Longitude of the start position
endLatitude	double	Latitude of the destination position
endLongitude	double	Longitude of the destination position

Location Accuracy

The table below outlines the accuracy options per platform:

	Android	iOS
lowest	500m	3000m
low	500m	1000m
medium	100 - 500m	100m
high	0 - 100m	10m
best	0 - 100m	~0m
Best For Navigation	0 - 100m	Optimized for navigation

MODULES

Module 1: Admin Registration (Admin App)

In this module one registers him/herself as an admin using attendance id. The security issues like authorized admins is handled by providing the app only for them instead of publishing in opensource.

Module 2: Add Users (Admin App)

Admin scans QR code generated by user to add him/her to Firebase. Device or the Register Number of the currently scanned user already exist in the Firebase, an alert will be displayed for admin. So, no want to spam the admin.

Module 3: Mark Attendance (Admin App)

By filling a form which contains section details admin generates OTP and announces to the class which will be valid for a period say 60 sec, after this time period that OTP becomes invalid.

Module 4: Generate QR Code (User App)

New users fill the registration form and generate QR code by giving all the required details. If the device already exists or register number already exist, it is handled when the QR scanned by admin. Old users can login using respective register numbers.

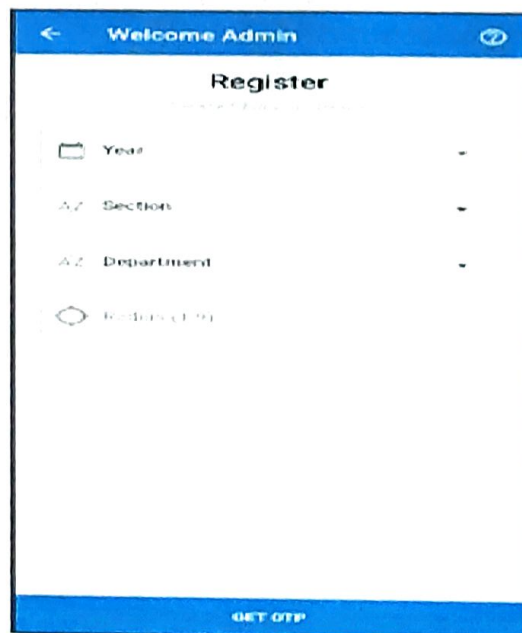
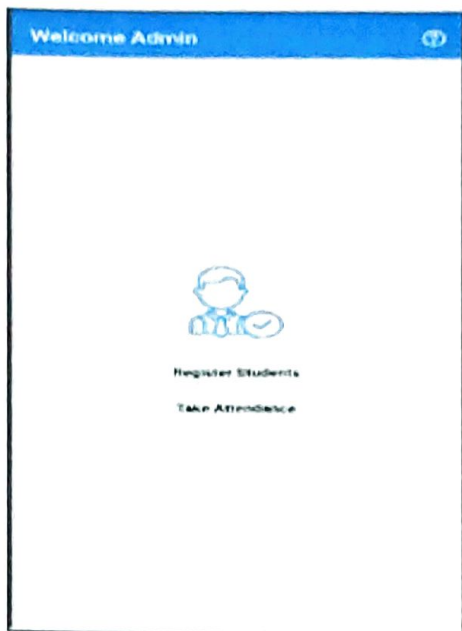
Module 5: OTP Screen (User App)

OTP announced by admin is entered by user for verification on OTP screen. If everything works well then attendance is marked, and alert is displayed on the screen. Otherwise due to location, network or time-out issues, admin has the privilege to re-mark as present.

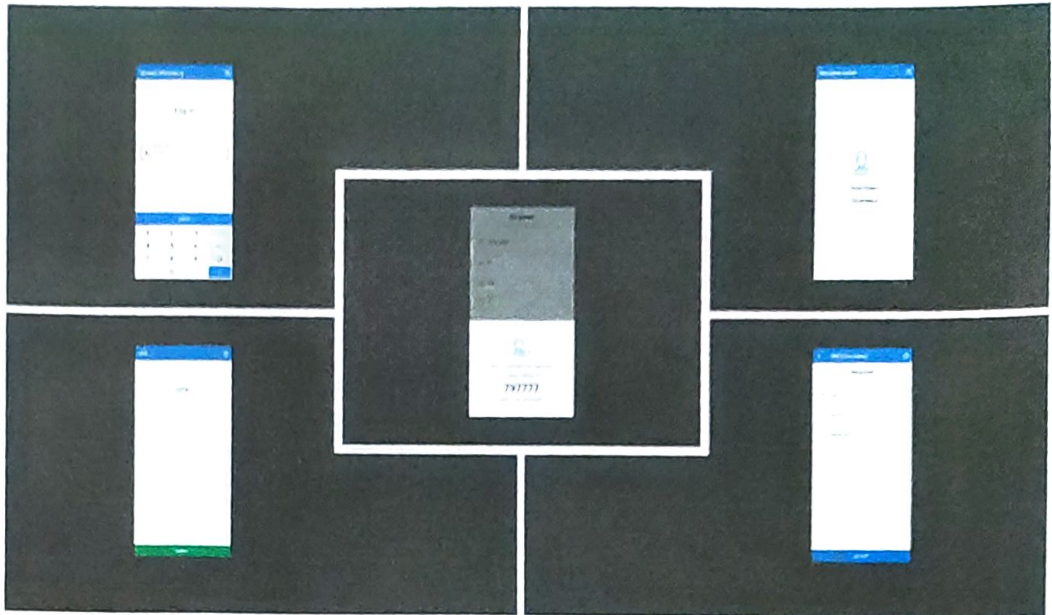
Module 6: Manual Attendance (Admin App)

Once the attendance marked the list of absentees will be displayed over the screen of Admin. Where admin has the privilege to recheck with the list and modify the attendance by marking the persons present in the absentees list. The name of a user in the

list may be included either because of network issues over users' network, not able to type the OTP within the given time, typing incorrect OTP or issues with the mobile device like lost device, got new device(which have some other procedure to be followed). Once modifications done, admin can submit the attendance. This will be stored over the firebase.



IMPLEMENTATIONS



Firebase

Project Overview

Develop

- Authentication
- Database
- Storage
- Hosting
- Functions
- ML Kit

Quality

Crashlytics, Performance, Test Lab

Analytics

Extensions

Spark
Free \$0/month

Upgrade

Attendance App Database

attendance-app-14013

+ Start collection

admins

students

+ Add document

4700x44EYnLcplFrrSSa
50Y9mL44e6CSjyFFK9K
F8wInhQSFDPyS8DnFfJk
en470P6cS0N5*0210ck

+ Start collection

+ Add field

attendance_id: 1555
batch: 2016-2020
dept: CSE
device_id: 845b9cab43796cc8
location
geohash: 03132b8y
geocoord: [12.8801866° N, 80.2120879° E]
otp: 10
radius: 10
section: F

Cloud Firestore location: nam5 (us-central)



ashok kumar <ashokkumar.cse@sathyabama.ac.in>

KINDLY SEND COMPLETION REPORT FOR CONSULTANCY PROJECT

ashok kumar <ashokkumar.cse@sathyabama.ac.in>

Thu, Jan 20, 2022 at 2:10 PM

To: sidharth <sidharth@advantagepro.in>, Sidharth Sankar Pattanayak <sidharthhare@gmail.com>

Cc: Albert Mayan J <albert.cse@sathyabama.ac.in>, Albert John <albertmayan@gmail.com>

DEAR SIR

i have attached the consultancy work completion report. Also, it has been tested and it is working well in the expected environment. so kindly send the completion report for the above same.

—

Thanks & Regards

Dr.K.Ashokkumar
Associate Professor
Department of Computer Science & Engineering
School of Computing
Sathyabama Institute of Science & Technology
(Deemed to be University)
Chennai-119, India.



Project proposal for SIST-Cloud (2).doc

639K



Profile information and details

Project Management

- 1. Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.
- 2. Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.

Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet the project requirements.



NO. 40, NUNGAMBAKKAM HIGH ROAD
(N.H. ROAD), CHENNAI-600034, TAMIL NADU

RTGS / NEFT IFSC : HDFC0000082

Pay *Imperia* VICE CHANCELLOR, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Rupees रुपये ONE LAKH AND SEVEN THOUSAND ONLY.

अदा करे

₹ 1,07,000/-

A/c No.
खाता नं.

50200009792822

Brn: 0082 Pdt:843
CA MORT.AGRI

Payable at par through clearing/transfer at all branches of HDFC BANK LTD

For VECTRA TECHNOLOGIES PRIVATE LIMITED

Authorized Signatories

Please sign above (印/सह/हस्ताक्षर)

⑈003274⑈ 6002400061 265851⑈ 29

Receipt**Date** : 31-Dec-2021, 11:04pm

Reference ID : 692462516

From Account : 611905056137

From Account Name : ALGOX FUSION PRIVATE LIMITED

To Account : 6500955039

To Account Name : VCSIST

Amount : 1,02,500

Date : 31-Dec-2021, 11:04pm

Remarks : Sales Commission

Payments & Transfers

[Print This Page](#)

Make Payment - Transfer to other Bank Account - NEFT

Confirmation - Payment Details

Your transaction has been successful. Your **Transaction Reference Number** for future: **030080637991001**

Now transferring funds on your mobile is just as fast and secure!

Visit m.citibank.co.in and transfer funds on your mobile.
[Go Mobile now >>](#)

Payment Details

From Account	53XX0XXX14
To Account	XXXXXX039
Amount	1,75,500.00
Name	VICE CHANCELLOR, SATHYABAMA INSTITUTE OF SCIENCE A
Bank Name	INDIAN BANK
City	CHENNAI
Branch Location	SATHYABAMA UNIVERSITY
Account / Card Type	Current
Service charges(INR)	0.00
Your account will be debited on	31-DEC-2021

[Back to Account Summary](#)

[Make Another Transaction](#)



Think big. Start small.
Powered by Citi.

[Invest Now](#)

Date: 1st Dec 2021

Certificate of Completion

This is to certify that Sathyabama Institute of Science and Technology has successfully completed Cloud-Based Automated Inradius Authenticated Attendance System Project. We have developed and submitted in time and the above stated project successfully implemented and working fine without any issues.

Project Description:

Name of Title: work cloud based Automated In Radius Authenticated Attendance system

Project begin date: 9th September 2021

Completion Date: 25th November 2021

For Vectra Technosoft Pvt Ltd (Advantage Pro)



Ranjit Sengupta

Director

VECTRA TECHNOSOFT PRIVATE LIMITED

Regd Office: Wing 1 & 2, IV Floor, Jhaver Plaza, 1A, Nungambakkam High Road, Nungambakkam, Chennai - 600034.

Phone: 044 28263530 / 40 Telefax: 28263527 E-mail: enquiry@vectratech.in

Web: www.advantagepro.in / www.vectratech.in

GST No: 33AABCV1002H1Z1

A close-up, low-angle shot of a jet engine's fan section, showing the curved, metallic blades and the central hub with a spiral logo. The engine is mounted on a runway, with the tarmac and a grassy area visible in the lower portion of the frame. The sky is a pale blue with light, wispy clouds.

REMAINING USEFUL LIFE PREDICTION FOR JET ENGINES

Project Documentation

Project by:

School of Computing,
Sathyabama Institute of Science and Technology

Project for:

Cognibot Labs Private Limited

Project Team Members

This project was done by the following faculties from the School of Computing, Sathyabama Institute of Science and Technology:

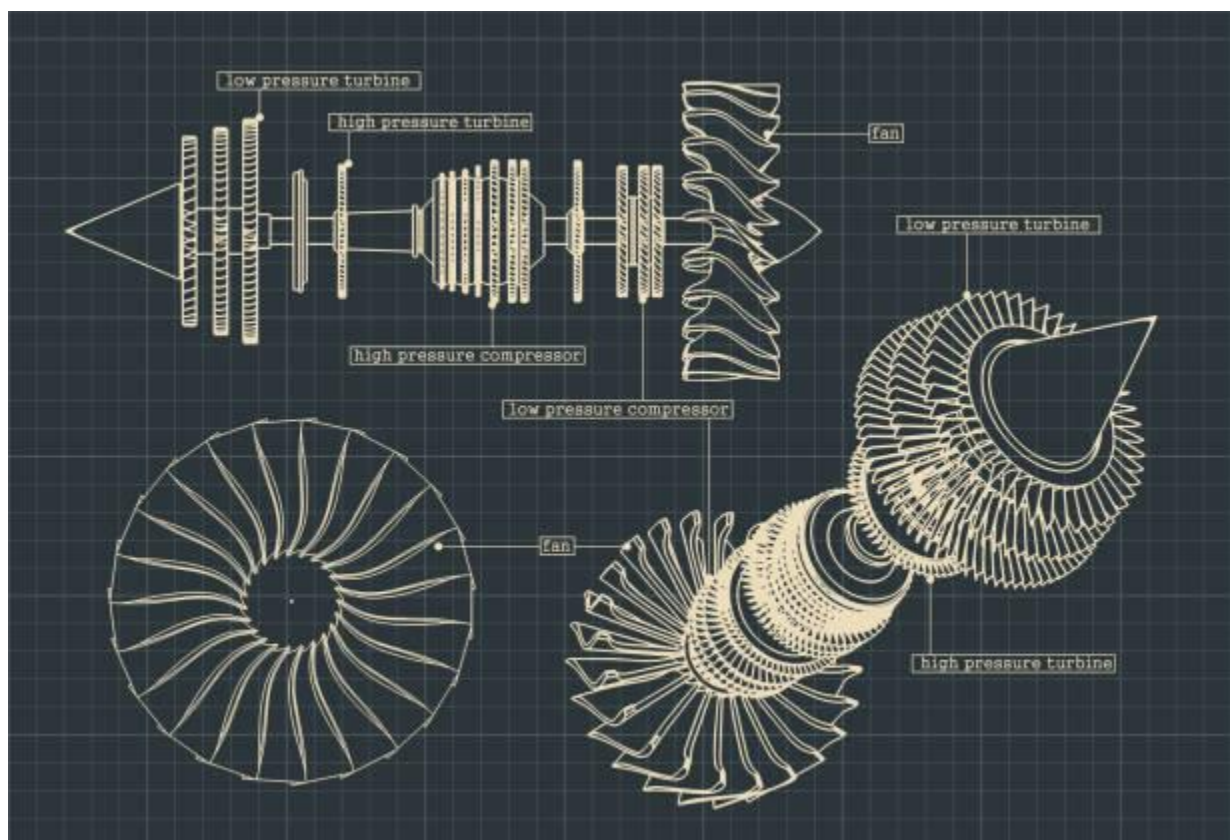
- Dr J. Albert Mayan
- Dr K. Ashok Kumar
- Dr A. Mary Posonia
- Dr B. Bharathi
- Dr B. Ankayarkanni
- Dr S. Revathy
- Dr P. Asha
- Dr A. Christy

Project Description

Prognostics and health management is an important topic in industry for predicting state of assets to avoid downtime and failures. Cognibot Labs collected a dataset which includes Run-to-Failure simulated data from turbo fan jet engines.

Engine degradation simulation has been carried out using C-MAPSS. Four different sets were simulated under different combinations of operational conditions and fault modes. Several sensor channels were recorded to characterize fault evolution.

By predicting the Remaining Useful Life (RUL) of the jet engines, Cognibot Labs aims to prevent unscheduled maintenance and repairs of the engines. This was the end goal of the project team.



Data Set Description

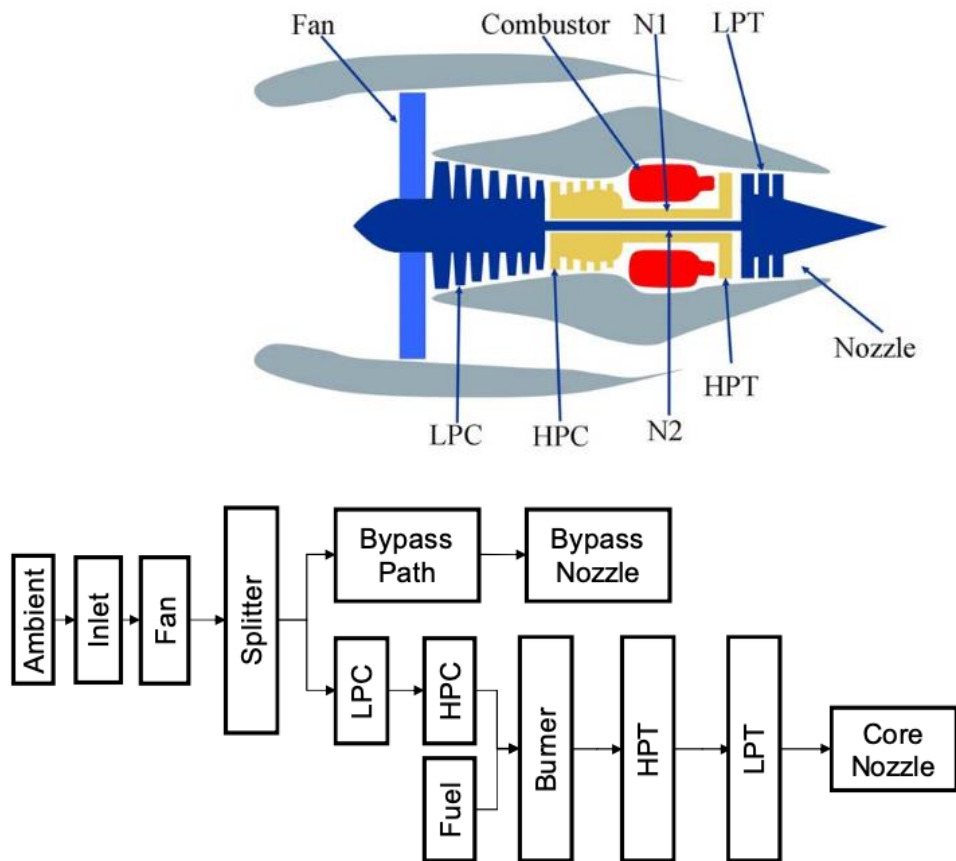


Fig 1. Engine Diagram and Simulation Model

- Engine's five rotating components: Fan, LPC, HPC (High-Pressure Compressor), HPT (High-Pressure Turbine), LPT
- Gas path: HPC, HPT, LPT
- Operational settings: altitude, throttle resolver angle (TRA), Mach number
- The time series (cycles) of sensed measurements typically available from aircraft gas turbine engines.

Data Set Variables

Symbol	Description	Units
T2	Total temperature at fan inlet	o R
T24	Total temperature at LPC outlet	o R
T30	Total temperature at HPC outlet	o R
T50	Total temperature at LPT outlet	o R
P2	Pressure at fan inlet	psia
P15	Total pressure in bypass-duct	psia
P30	Total pressure at HPC outlet	psia
Nf	Physical fan speed	rpm
Nc	Physical core speed	rpm
epr	Engine pressure ratio (P50/P2)	-
Ps30	Static pressure at HPC outlet	psia
phi	Ratio of fuel flow to Ps30	pps/psi
NRf	Corrected fan speed	rpm
NRc	Corrected core speed	rpm
BPR	Bypass Ratio	-
farB	Burner fuel-air ratio	-
htBleed	Bleed Enthalpy	-
Nf_dmd	Demanded fan speed	rpm
PCNfR_dmd	Demanded corrected fan speed	rpm
W31	HPT coolant bleed	lbm/s
W32	LPT coolant bleed	lbm/s

Process Followed

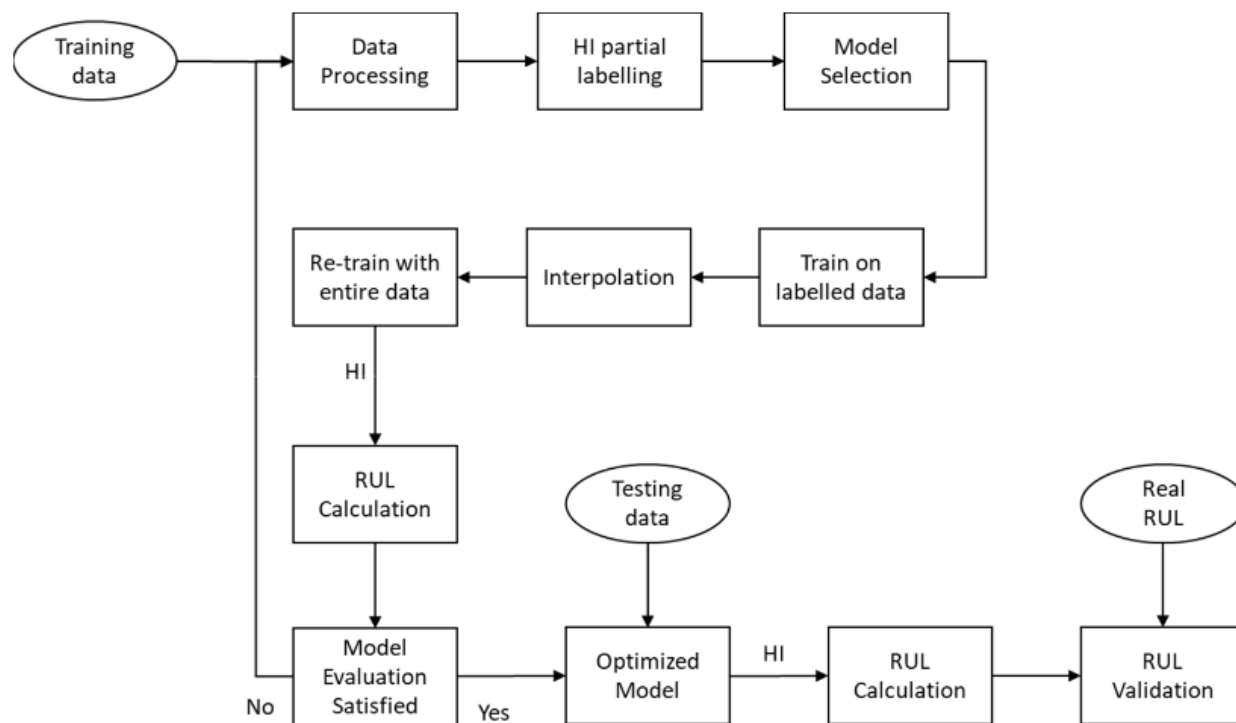


Fig 2. Overview of process followed

The above figure gives a summary of the overall process followed while working on this dataset. The team had decided upon this process after a rigorous literature survey of research papers in the domain of predictive maintenance. By doing so we aim to achieve state-of-the-art results on this project.

Among the various process involved the team started off with the very first process of data exploration. This process helps the team to better understand the data and identify any potential errors in the dataset that might have occurred in the data collection and recording process.

We aim to try out multiple prediction models like Linear Regression and Boosted Tree Algorithms. The algorithms will be compared based on their performance in the dataset and the results will help the team choose the best model for the particular problem in hand.

Correlation Analysis:

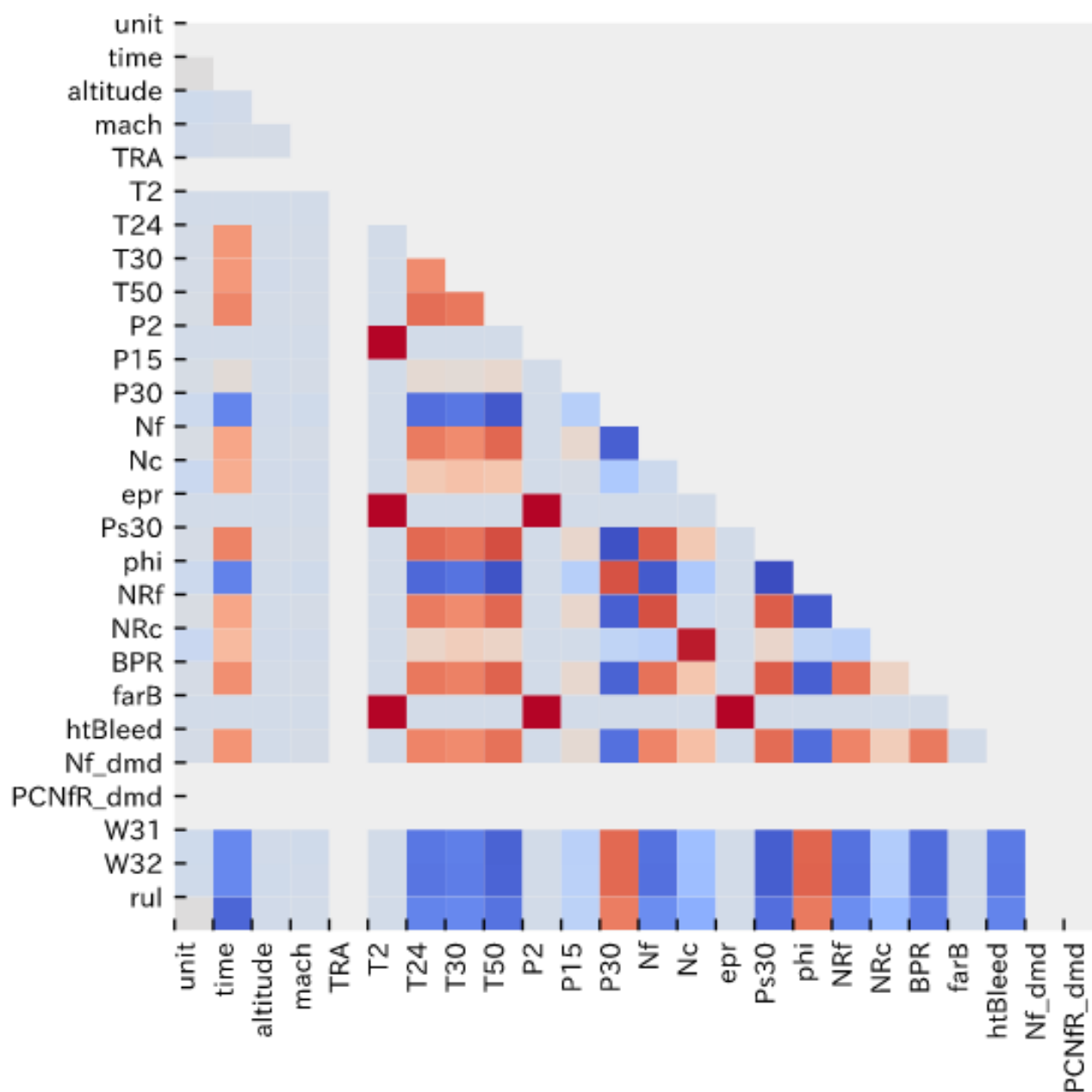


Fig 3. Correlation between the variables

The correlation between the different variable pairs were calculated and plotted in order to better understand the data set. This gives us insight into which variables might be interrelated with each other and helps with model debugging and variable importance/selection during the training process.

Data Modelling:

One of the simplest models - Linear Regression was used to model the dataset to set a baseline performance to compare the future models against. Even though Linear Regression is a simple model, it helped the team understand how the different variables affect our target variable - the remaining usable life.

The sklearn library was used and the following result was obtained using the default parameters of the sklearn Linear Regression module:

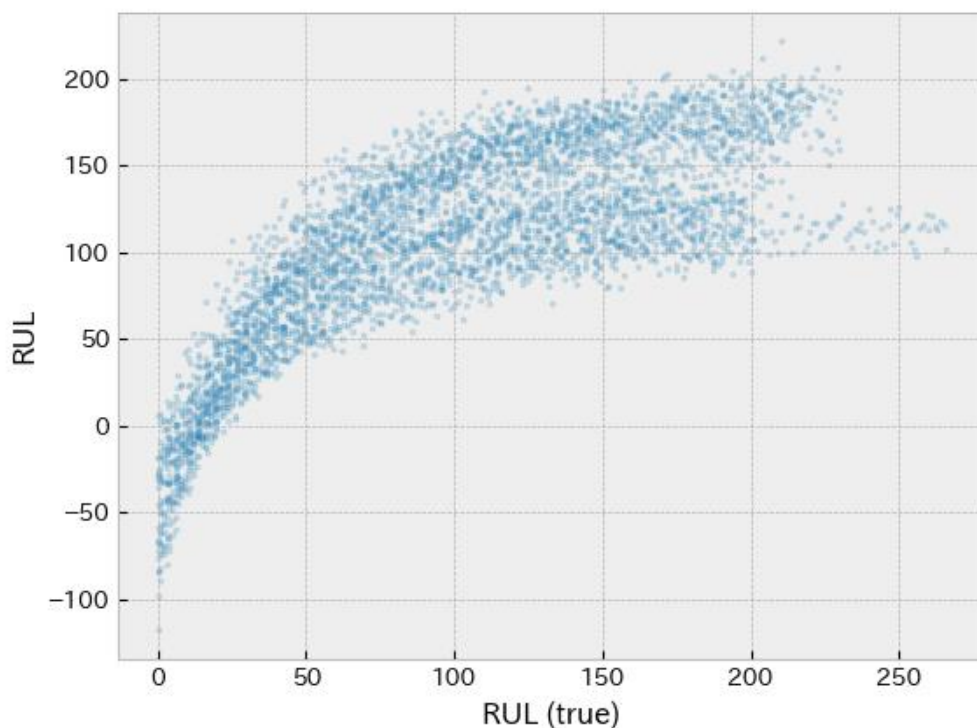


Fig 4. RUL predicted vs. RUL ground truth (LR model)

The following result was obtained:

Metric	Result
MSE	1581.5952988817035
R2	0.5798722030677054

The best model:

The best performing model in our trials ended up being the Gradient Boosted Regression Trees. It produced minimal MSE.

Comparison of the different models tried:

Metric	Linear	ElasticNet	SVR	XGboost
MSE	1197.8	1167.3	736.0	840.3
R2	0.6818	0.6899	0.8045	0.7768

After identifying the best performing algorithm, the algorithm's hyperparameters were tuned.

Metric	Default	Random	Bayes	Evolutionary
MSE	610.3	572.6	694.8	480.1
R2	0.8240	0.8349	0.7996	0.8615

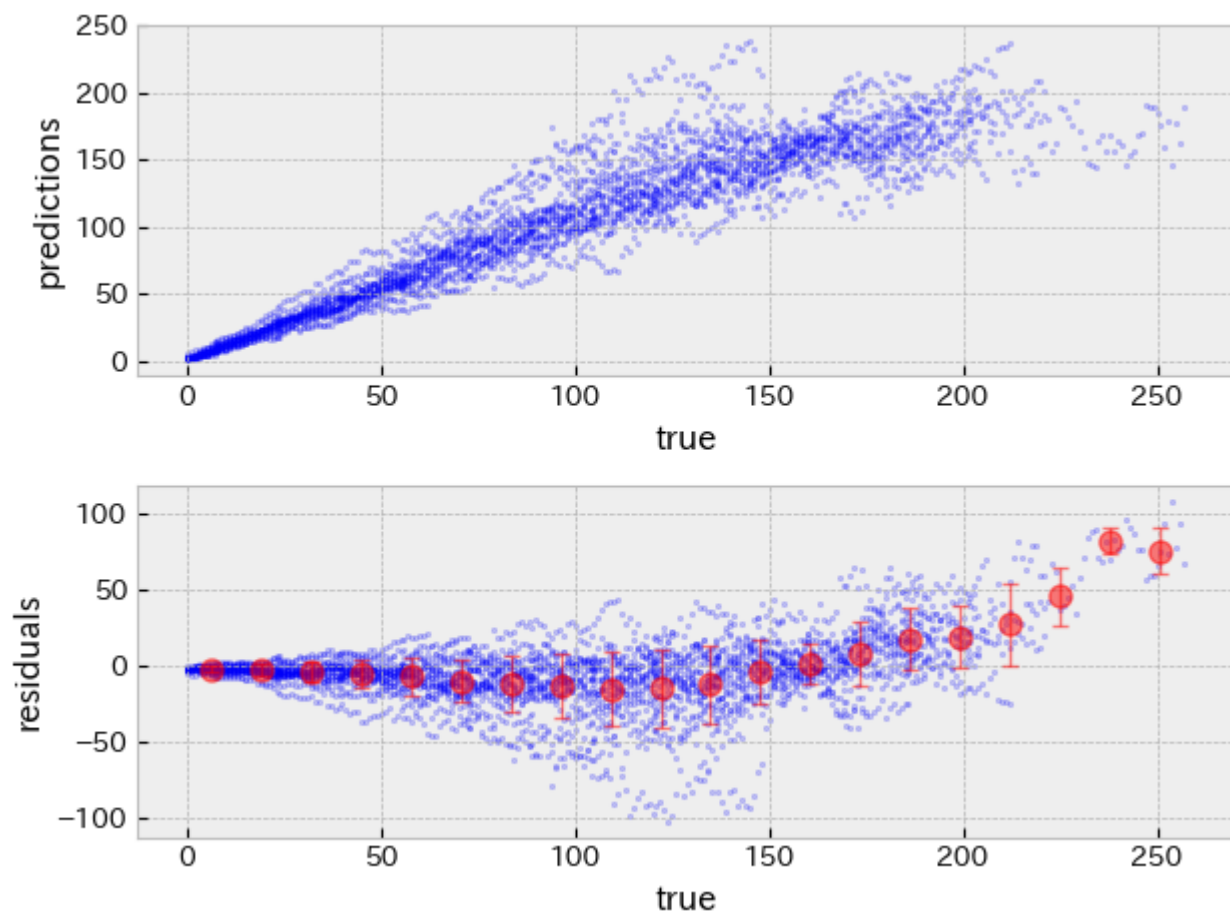


Fig 5. True RUL vs. predicted RUL and True RUL vs. residuals of final model

Conclusion

The XGboost algorithm performed the best in our trials along with Bayesian optimization. The code and results were shared with Cognibot Labs for further use in their project.

Acknowledgement

We thank Sathyabama Institute of Science and Technology and Cognibot Labs for their support in executing this the project.

INVOICE

Date : 19 / 12 / 2021

INVOICE : SOC/PRIDE/COGNIBOT/2021/12



Sathyabama Institute of
Science and Technology,
Jeppiaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119

Bill To :

Mr. Ajay Kumar,
CogniBot Robotics,

715-A, 7th Floor, Spencer Plaza,
Suite No.678, Mount Road, Anna
Salai, Chennai - 600 002

Mobile : +917010058020

Email : ajay@cognibot.ml

cognibotrobotics.com

Project Proposed By :

Project Innovation and Development Centre (PRIDE)
Department of Computer Science and Engineering

Project Name :

Remaining Useful Life Prediction for Jet Engines

Project Description:

- Analyze Simulated Dataset
- Engine Degradation Simulation under various Operational Conditions
- Prognostics and Health Management
- Apply Statistical Technique
- Choose Algorithm to Predict RUL – Python Script
- Prevent Unscheduled Maintenance and Repairs

Description

Duration

Cost

Total

Module 1 : Analysis of Simulated Data from Turbo Fan Engine

- Engine Degradation Simulation – By C-MAPSS
- Apply Statistical Technique to Analyze Simulated Data
- Prediction to avoid Downtime & Failure

11 Days

1,75,500/-

1,75,500/-

Module 2: Predicting the State of Assets

- Choose Algorithm to Predict RUL – Python Script
- Satisfactory RMSE / MAE to be Achieved
- Assessing the Extent of Deviation or Degradation

19 Days

2,20,500/-

2,20,500/-

Sub Total : 3,96,000/-

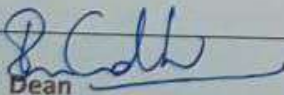
3,96,000/-

Tax Rate : 0.00%

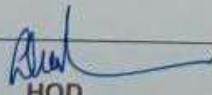
Total : 3,96,000/-

3,96,000/-

Tax Amount (In Words) : INR Three Lakh Ninety Six Thousand only


Dean

School of Computing


HOD

Dept. of CSE

Pride Coordinators

Project Innovation and Development Centre

1. Dr. K. Ashokkumar

2. Dr. J. Albert Mayan

Project Investigator

1. Dr. B. Bharathi

2. Dr. A. Mary Posonia

3. Dr. B. Ankayarkanni

4. Dr. A. Christy

5. Dr. S. Revathy

6. Dr. P. Asha



Training, Development
and Consulting

www.credosystemz.com

October 2021



Project Proposal

PROPOSED BY

CREDO SYSTEMZ

#30, Third Main Road, Rajalakshmi Nagar, Velachery, Chennai
Web: www.credosystemz.com | Mail: info@credosystemz.com

PROPOSED TO

Dr. Jabez, Dr S Prince Mary

Associate Professor
Department of Computer Science and Engineering
Project Innovation and Development Centre
Sathyabama Institute of Science and Technology
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119
Web: www.sathyabama.ac.in | jabez.it@sathyabama.ac.in

OUR COMPANY

We are experts in Developing Block chain Application, AI (Chat Bot), Web Application, Customized Applications, Mobile applications, Internet of things, Digital Marketing, Cloud Services and Technical Consulting (India & Japan)

PROPOSAL FOR ONLINE LEARNING MANAGEMENT SYSTEM

OnJob is the online comprehensive job portal application with dynamic features which allows job seekers to connect with recruiters. The application provides the facility for any sort of job seekers whoever want to work permanently/temporary, to create their account, upload their profile and resume, search for jobs, apply for jobs, view different jobs opening with closing dates. The application facilitates the employers as well to create their accounts, search candidates, create temporary/permanent job postings and track contacted candidates.

OnJob has a dynamic admin panel from where the administrator can manage all the functionalities and designs of a website such as Home Page settings, Approval authority for new Job seekers/Recruiters, Job posts from Recruiters, Job applications from Job seekers, Ongoing Job monitoring etc.

INCORPORATE IN PORTAL:

- Candidate Interface
- Employer Interfaces
- Training Institutes Interface
- Admin Interface
- Super admin Interface
- Finance and Management Interface

TECHNOLOGY STACK

- MongoDB
- Express. Js
- React Js
- Node. Js

ADDITIONAL FEATURES

- Multilanguages
- SEO Optimized
- 100% Fully Responsive
- Social Sharing Icons
- Mobile Friendly
- Google reCaptcha included
- Indented, Comment, Clean, Mark-up
- Clean Coding & optimized CSS
- Bootstrap 4.X Framework Support
- Easy to Customize
- Well Documentation Displays well in all modern browsers and devices

 **CREDO SYSTEMZ**
Simplifying IT



Project Consultancy Proposal was Sent by Credo Systemz on October 7, 2021

Project - Learning Management System - Request Proposal External Inbox x

Arun M <arun@credosystemz.com>
to me, dean.computing, csehod, jabez.it

Thu, Oct 7, 2021, 9:42 PM

Dear Sir/Madam,
Greetings from Credo Systemz,

We have a requirement for developing a Web Application - 'Online Learning Management System(LMS)' using Angular Front end framework.
Overall outcome of this requirement is to provide a platform for our trainees to register and login into the application to watch training recorded sessions.

From Credo Systemz, we would like to share this proposal with you, and look forward to your consideration and confirmation.
I would appreciate your approval of this project, so that we can complete our project by the first week of November 2021.

Thanks,
Arun
Heads - Corporate Clients
M: +91-9677100325
W: www.credosystemz.com



The Proposal Acceptance Notification was given by Project Coordinators on Nov 16, 2021

From: **Jabez J** <jabez.it@sathyabama.ac.in>
Date: Tue, Nov 16, 2021 at 9:50 PM
Subject: Fwd: Proposal Acceptance Notification : **Credo Systemz**
To: <info@credosystemz.com>
Cc: <pride.soc@sathyabama.ac.in>

Dear Mr.Arun,

Sub : Proposal Acceptance – Reg.

This is to inform you that we have thoroughly gone through the entire "Online Learning Management System(LMS)" proposal document and have understood the feature requirements.

After a detailed discussion with our team members, we have arrived at the consensus to take up the proposal and complete the same as agreed terms.

The Dept. of CSE , would be happy to progress with this collaboration and complete the procedures necessary for the same.

With Regards,
Dr Jabez J
Dr Prince Mary
Dr Srinivasalu
Dr Gowri S
Associate Professor, Dept. of CSE,
Sathyabama Institute of Science & Technology,
Chennai - 119.

FIRST INSTALLMENT - Nov 25 , 2021



Transfer Details

Reference No. (UTR No./RRN)
KKBKH21329970933

Date & Time
25 Nov 2021-05:05 pm

Transfer Amount
₹60,000.00

Beneficiary name
Vice Chancellor Sathyabama
Institute of Science

Bank name
INDIAN BANK

Account number
6500955039

IFSC
IDIB000S201

Remarks
From Credo Systemz

SECOND INSTALLMENT - Dec 22 , 2021



Transfer Details

Reference No. (UTR No./RRN)
KKBKH21356954983

Date & Time
22 Dec 2021-08:48 am

Transfer Amount
₹60,000.00

Beneficiary name
Vice Chancellor Sathyabama
Institute of Science

Bank name
INDIAN BANK

Account number
6500955039

IFSC
IDIB000S201

Remarks
Credo Systemz Project Consulting

17/11/2021

To whomsoever it may concern

This Letter is to inform **Credo Systemz** has studied the proposal on “ Online Learning Management System(LMS)” submitted by the Department of Computer Science and Engineering, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, OMR Salai, Chennai, Tamil Nadu – 600 119, to provide a platform for our trainees to register and login into the application to watch training recorded sessions .

After much deliberation, **Credo Systemz** is pleased to accept your proposal. According to the agreed terms and conditions, stated in your Invoice No: **SOC/PRIDE/CREDO/2021/11**, Dated: **16/11/2021**, we accept your quotation for “**Online Learning Management System (LMS)**” with the estimated cost of **Rs. 1,20,000/-**. You can proceed with the implementation of the proposal and hope you will complete the project within the stipulated time.

Regards

Mr. M. Arun

Heads - Corporate Clients

Credo Systemz

30, Old # 16A, Third Main Road,

Rajalakshmi Nagar, Velachery, Chennai

Mobile : 9884412301

Email : info@credosystemz.com

INVOICE

Date : 16/ 11 / 2021

INVOICE : SOC/PRIDE/CREDO/2021/11



Sathyabama Institute of Science and Technology,
Jeppiaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119

Bill To :

Mr. M. Arun,
Heads - Corporate Clients,
Credo Systemz,
30, Old # 16A, 3rd Main Road,
Rajalakshmi Nagar, Velachery,
Chennai – 600 042

Mobile : 9884412301
Email : info@credosystemz.com

Project Proposed By :

Project Innovation and Development Centre (PRIDE)
Department of Computer Science and Engineering

Project Name :

Online Learning Management System(LMS)

Project Description:

- Candidate Interface
- Employer Interfaces
- Training Institutes Interface
- Admin Interface
- Super Admin Interface
- Finance & Management Interface

Description	Duration	Cost	Total
Module 1 : • Candidate Interface (Angular Frontend Framework) • Employer Interfaces • Admin Interface	22 Days	65,400/-	65,400/-
Module 2: • Training Institutes Interface • Super Admin Interface • Finance & Management Interface • Training Sessions - Content Management	18 Days	54,600/-	54,600/-
Sub Total : 1,20,000/- 1,20,000/- Tax Rate : 0.00% Total : 1,20,000/- 1,20,000/-			

Tax Amount (In Words) : INR One Lakh Twenty Thousand only

Dean

School of Computing

HOD

Dept. of CSE

Pride Coordinators

Project Innovation and Development Centre

Project Coordinator



Online Learning Management System (LMS)

❖ Operational Document

Project Coordinators:

Dr. J. Jabez , Dr. S. Prince Mary

Dr. Senduru Srinivasulu , Dr. S. Gowri & Mr. A. Yovan Felix

Associate Professors, Department of Computer Science & Engineering

Project Innovation and Development Centre

Sathyabama Institute of Science & Technology , Chennai

Contents

Registration screen:3

Login Screen:4

User – course landing page:5

Course detail page:6

Admin User Actions:.....7

 Add Course:7

 Upload videos in course:8

 Assign Users:8

 Edit Course:9

 Update Registered Users:10

Learning Management System:

Learning management system web application will be a wonderful gateway for the students/trainees for learning by seeing the video published in this portal.

Users can register themselves to login into the application and add or update their information. After login user will be able to see the videos of training which they have opted.

Admin user is only allowed to create new course, upload relevant videos for each course session. Only admin user has privileges to create new user, edit new user, add new video, and edit existing video.

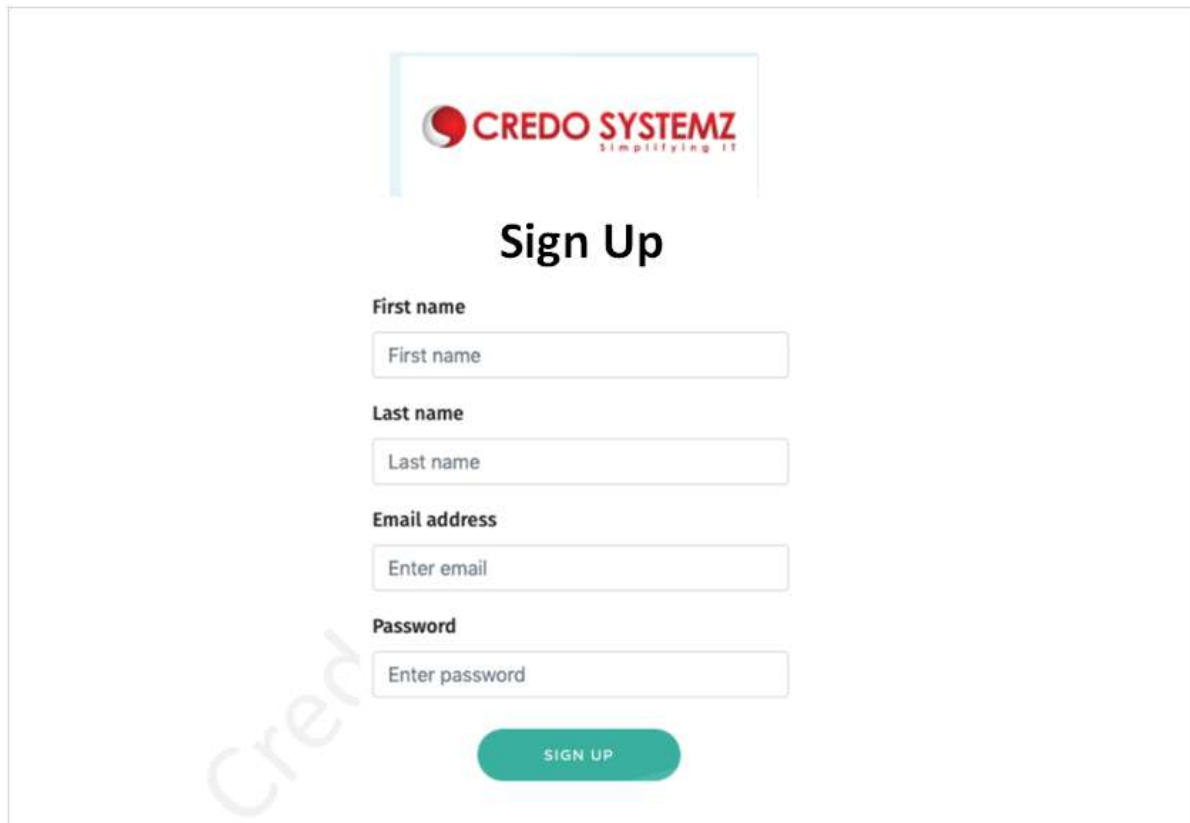
Registration screen:

User will be able to register by clicking the register link from login screen. On successful submit, data should be inserted into the database

Below are the fields for Register page.

Fields	Validations	Comments
First Name	Required Alphabets only	
Last Name	Required Alphabets only	
Email	Required Email validation	Email will be a username for login So we have to provide a small instructional message saying – your email will be a username.

Password	Required 10 characters 1 uppercase 1 number 1 special characters	
----------	--	--



Login Screen:

Login page is for user to login into the application:

Fields	Validations	Comments
Email	Required Email validation	
Password	Required	



Sign in to your account

Email or Phone

Password

Sign In

[Forgot Password?](#)

User – course landing page:

After login into the portal, user will be the list of course which user has subscribed. Only the courses which user has subscribed will be visible on the course landing page

CREDO SYSTEMZ

Home

Online Test

Study Materials

Time Table

Offline Exams

Documents

Online Exam

Good Afternoon, Jones

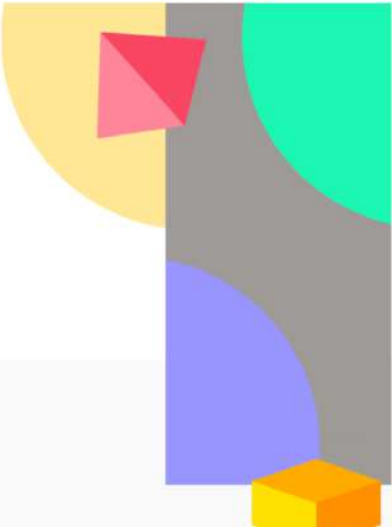
 03:59:57

 October 10th, 2021, Sunday

"Creativity Is Intelligence Having Fun"

Announcement

Jones



Angular	
Angular-Gopi	video - 15
+ HTTP Interceptors	
+ Route Guard & JWT	
+ Structure of Angular Application	
+ File Uploaded & Multer	
+ Components Interactions & View Encapsulation	
+ Dynamic Routing & HTTP App Explanation	
+ Custom Directives	
+ Pipes & Custom Pipes	
+ ng-Container & Life Cycle Phase	
+ Template Driven Form 2	

Course detail page:

When user select the course from course landing page, then user will be redirected to course detail page, where all the topics of the course with the video will be displayed.

User will be able to select the topic video and it will be open the modal popup and play the videos of the session which is selected by the user.

Study Materials

  Jones ▾

Angular

Angular-Gopi

video - 15

HTTP Interceptors

 HTTP Interceptors - YouTube ▶

Route Guard & JWT

 Route Guard & JWT - YouTube ▶

Structure of Angular Application

 Structure of Angular App | Project in Tamil - Detailed explanation - YouTube ▶

+ File Uploaded & Multer

+ Components Interactions & View Encapsulation

+ Dynamic Routing & HTTP App Explanation

+ Custom Directives

+ Pipes & Custom Pipes

+ ng-Container & Life Cycle Phase



Admin User Actions:

Add Course:

Admin user will have privileges to add a new course into the portal. For adding a course admin has to provide details like, name of the course, course description, sub topics of the course, author name and hours of the course in total.

The screenshot displays the 'Classes > Courses' management page. At the top, there's a search bar and a 'Download App' button. Below the navigation tabs (Courses, Standard, Subject, Topic, Ecourse Mapping), there are filters for 'Select Master Course*' and 'Select Academic Year*'. The main content area shows a grid of course cards for different standards: AWS, Primavera, Angular, and Python. Each card lists the course name, Course Id, End Date, and Total Students, with an 'Assign / Unassign' link.

Standard	Course Name	Course Id	End Date	Total Students	Action
AWS	AWS-Volu	21842	18-Jan-2022	17	Assign / Unassign
Primavera	Primavera	33264	22-Dec-2023	3	Assign / Unassign
Angular	Angular-Gopi	21840	20-Dec-2022	40	Assign / Unassign
	Angular-RK	21841	15-Apr-2021	0	Assign / Unassign
Python	Python	21838	28-Feb-2021	1	Assign / Unassign

Upload videos in course:

Admin after creating the course will create sub topics for each course, in sub topic details admin can upload the video or provide the link of the YouTube which will be visible for the subscribed users.

Assign Users:

Admin user has privileges to assign course to the registered user. To assign course, admin will go to the list of user page and click on the assign course link. Assign link will show the list of course present in the system and admin will select the course which user has requested for.

Student Details

Student Name

Anand

Contact Number

IND +91

6591696434

Standard

Amazon Web Services

Assign Courses

Email Id

anandamoorthi.s@gmail.com

Gender

Male

Date Of Birth

DOB

Nationality

Enter nationality

Birth Place

Enter birth place

Mother Tongue

Category

Religion

Enter religion

Blood Group

Students

Search here...

Download App

Courses

5/5

Both

Assigned

Unassigned

Select Standard

Search

Master Course	Course	Start Date	End Date	Course Assign Date	Academic Year
☐ Angular	Angular-Gopi	01-Aug-2021	20-Dec-2022	2021-10-10	Dummy Acad
☒ AWS	AWS-Velu	31-Dec-2020	18-Jan-2022	2022-08-10	
☐ Primavera	Primavera	01-Apr-1900	22-Dec-2023	2021-10-10	Dummy Acad
☐ Selenium	Selenium-Mathan-J	01-Apr-2021	31-Aug-2022	2021-10-10	
☐ UI PATH	UI PATH - Viji	25-Apr-2021	21-Feb-2022	2021-10-10	

Cancel Save

Aadhar No.

Group

Extra Curricular Activities

Cancel

Save

Edit Course:

Admin user is allowed to see the list of all the courses present in the system. And admin can select the course and edit the details of the course.

Content Library > Study Material
Search here...
Download App

E-Course>Angular
+ Topic

Subject List
Delete File

- Angular-Gopi
Youtube Video - 15
- HTTP Interceptors
 - ☐ HTTP Interceptors - YouTube
Youtube Video
- Route Guard & JWT
 - ☐ Route Guard & JWT - YouTube
Youtube Video
- Structure of Angular Application
 - ☐ Structure of Angular App | Project in Tamil - Detailed ex...
Youtube Video
- File Uploaded & Multer
 - ☐ File Uploaded & Multer - YouTube
Youtube Video
- Components Interactions & View Encapsulation
 - ☐ Components Interactions & View Encapsulation - YouT...
Youtube Video

Update Registered Users:

Students
Search here...
Download App

Search By Name/Contact No. Search
Filter More Add Student

	#	Student ID	Name	Student No.	Standard	Course(s)	Action
☐		CRED1043	Anand	+91-6591696434	Amazon Web Services	AWS-Velu	
☐		CRED1030	Anbarasan	+91-8056585637	Amazon Web Services	AWS-Velu	
☐		CRED1051	Anbarasan	+91-9994818901	Angular	Angular-Gopi	
☐		CRED1026	Ashok Kumar	+91-9049383338	UI Path	UI PATH - Viji	
☐		CRED1063	Balakumaran	+91-9003836252	Angular	Angular-Gopi	
☐		CRED1071	Bathmanabani	+91-9677595703	Primavera	Primavera	
☐		CRED1015	Brindha	+91-8675672539	Angular	Angular-Gopi	
☐		CRED1038	Deepika	+91-7502847564	Selenium	Selenium-Mathan ...	
☐		CRED1076	Dharani	+91-8056697482	UI Path	UI PATH - Viji	
☐		CRED1017	Dharani	+91-9080133938	Angular	Angular-Gopi	

Showing 1 to 80 of 80
Total 1 pages
Records per page: 100
< Previous 1 Next >



Integrated Resource Management Solutions

1, "Alsa – Crest" C-57(New No.80), First Avenue, Anna Nagar East, Chennai – 600 102

Web: www.irms.co.in Email: raja@irms.co.in

Project Proposal

Proposed by

Integrated Resource Management Solutions

A-1, "Alsa – Crest" C-57(New No.80), First Avenue,

Anna Nagar East, Chennai – 600 102

Web: www.irms.co.in Email: raja@irms.co.in

Proposed To

Dr S.Dhamodaran

Associate Professor , Department of Computer Science and Engineering,

Project Innovation and Development Centre

Sathyabama Institute of Science and Technology

Jeppiaar Nagar , OMR Street , Sholinganallur

dhamodaran.cse@sathyabama.ac.in

Integrated Resource Management Solutions

**A-1, "Alsa – Crest" C-57(New No.80), First Avenue,
Anna Nagar East, Chennai – 600 102**

(Above Naidu Hall) www.irms.co.in



About IRMS : Integrated Resources Management Solutions is a Service Organization that delivers world class training, recruitment solutions & Business Consulting – (Education Industry) to a spectrum of clients across the country. A young and fast upcoming organization, Our mission is to provide world- class Training and recruitment solutions, services and products to a wide array of clients across various industry areas such as BPO , KPO ,Finance, Insurance, Telecom and Healthcare.

Proposal for (Web Development, Testing and Lead Generation tool) & Training Content on Machine Learning.

We need a web development with major PHP framework, with backend My SQL. Digital marketing Generating Web Leads & Content Writing.

Training Content for Machine Learning & Data Science. Our LMS (Learning Management Platform) integration with website (irms.co.in) is one of the major requirement.

We would like to go live by December 2021 – we would like the work to be completed in 2 months time – last week of November 2021

Expected Outcome :

- Dynamic Portal
- Lead Frames
- Lead Landing Page for all our services
- Content Framework for Machine Learning and Data science

Technology & Resource:

- PHP Framework
- My SQL
- Content writer and SME's.

Please do send us the confirmation with timeline accordingly we shall proceed further.

Thank you

Raja Chellaperumal

Integrated Resource Management Solutions

**A-1, "Aisa – Crest" C-57(New No.80), First Avenue,
Anna Nagar East, Chennai – 600 102**

(Above Naidu Hall) www.irms.co.in

Consultancy Mail Correspondence between IRMS & Sathyabama Institute

IRMS - Requirement External Unbox X

Thu, Sep 23, 2021, 4:01 PM

Raja <raja@irms.co.in>
to me < >

Dear Sir,

As discussed, Please find our requirements and timeline for the Product for IRMS (Web Development, Testing and Lead Generation tool) & Training Content on Machine Learning.

We need an web development with major PHP framework, with backend My SQL, Digital marketing Generating Web Leads & Content Writing, Training Content for Machine Learning & Data Science.

Request you to send us the proposal.

Warm Regards

Raja C
9884725401

Proposal from IRMS External Unbox X

Wed, Oct 6, 2021, 3:30 PM

Raja <raja@irms.co.in>
to me, Albert, @hamodaran < >

Dear Sir,

Greetings from IRMS!

As discussed, I am sending you the details for Project – Kindly go thru and confirm the same so that we shall proceed.

Kindly revert back to us for any clarification on the same.

Thank you

Raja Chellaperumal
9884725401



a/a -raja@irma.co.in
to: Mr. Albert, dhamodaran

Thu, Oct 7, 2021, 9:35 AM

Dear Dr Albert & Dr Dhamodaran,

Happy Morning,

Please find attached proposal for project - kindly go through and revert to us and confirm schedule.

Thank you

a/a Chellaperumal
9847264931

1
00



Pride SOC -pride.soc@sathyabama.ac.in
to: Raja, Albert, dhamodaran

Oct 7, 2021, 9:02 PM

Respected Sir,

Thanks for Sharing your Proposal...

Will Discuss with the Dean, School of Computing, Head's of CSE Department and the Technical Team, and Get Back to u in 2 Days

Thanks for Opportunity Given
Dr Albert

Hide SOG - sangeethasystems.ac.in
Raja, Dhamodaran; dean.computing.mre

Oct 28, 2021, 2:19 PM

Dear Raja Chellaperumal
Integrated Resource Management Solutions

This Mail is to inform that Dr S.Dhamodaran , Assistant Professor , Dept. of CSE , SIST (PRIDE) has studied the proposal on " (Web Development, Testing and Lead Generation tool) & Training Content on Machine Learning , to your LMS (Learning Management Platform) integration with website <https://sist.ac.in> is one of the major requirement.

After much deliberations , Dept. of CSE is pleased to accept your proposal to develop with following specifications

Dynamic Portal
Lead Frames
Lead Landing Page for all our services
Content Framework for Machine Learning and Data science

Technology & Resource:
PHP Framework
My SQL
Content writer and SME's

WE , Dept. of CSE would be happy to accept your request for consultancy project work. In connection with this consultancy work , we will send the detailed invoice/budget against the proposed requirement.

Consultancy Invoice -- Reg.  

Dr.Dhamodaran cse - sangeethasystems.ac.in
Raja, Dhamodaran; dean.computing.mre

Wed, Nov 10, 2021, 8:59 PM

Dear Mr.Raja Chellaperumal ,

Sub : Consultancy Invoice -- Reg.

This Mail is to inform you that we have thoroughly gone through the entire "Digital Marketing & LMS Integration with <https://sist.ac.in> " proposal document and have understood the feature requirements.

After much discussion among the team members, we have arrived at the consensus to take up the proposal and complete the same as agreed terms.

The Dept. of CSE , would be happy to progress with this collaboration and complete the procedures necessary for the same.

Respectfully
Dr S Dhamodaran
Assistant Professor, Dept of CSE
Dr J Albert Mayan
Associate Professor, Dept. of CSE

INVOICE

Date : 16/ 11 / 2021

INVOICE : SOC/PRIDE/IRMS/2021/11



Sathyabama Institute of Science and Technology,
Jeppiaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119

Bill To :

Mr. Raja Chellaperumal,
Integrated Resource Management Solutions
A-1, "Alsa - Crest" C-57(New No.80), First Avenue,
Anna Nagar East,
Chennai - 600 102.

www.irms.co.in
Mobile : 9884726491
Email : raja@irms.co.in

Project Proposed By :

Project Innovation and Development Centre (PRIDE)
Department of Computer Science and Engineering

Project Name :

Digital Marketing & LMS Integration with irms.co.in

Project Description:

- Dynamic Portal
- Lead Frames
- Lead Landing Page for all our Services
- Content Framework for Machine Learning and Data science
- Technology & Resource
- PHP Framework
- My SQL
- Content writer and SME's

Description	Duration	Cost	Total
Module 1 : • Web Development, Testing and Lead Generation Tool • PHP framework, with Backend My SQL • Admin Interface	18 Days	95,500/-	95,500/-
Module 2: • Training Content on Machine Learning • Digital Marketing • LMS Integration with Website (irms.co.in)	24 Days	97,500/-	97,500/-
Sub Total :		1,93,000/-	1,93,000/-
Tax Rate :		0.00%	
Total :		1,93,000/-	1,93,000/-

Tax Amount (In Words) : INR One Lakh Ninety Three Thousand only

 Dean School of Computing	 HOD Dept. of CSE	Pride Coordinators Project Innovation and Development Centre 	Project Coordinator
---------------------------------	-------------------------	--	--



Web Development with Testing and Lead Fields

(Digital Marketing & LMS Integration with irms.co.in)

❖ Project Handover Document

Project Coordinators:

Dr. S. Dhamodaran , Dr. D. Usha Nandini

Dr. R. Sardar Maran , Dr. A. Jesudoss & Dr. A. Pravin

Associate Professors, Department of Computer Science & Engineering

Project Innovation and Development Centre

Sathyabama Institute of Science & Technology , Chennai



Solutions for... Simplifying regular tasks. |

Working smarter will transform your business
and your people's lives for the better.



Our Trainings

Corporate Learning Solutions



- IT Technology Training
- Sales & Marketing Training
- Skill Development Training

Campus Learning Solutions



- Soft skills training
- Campus Induction program
- Campus Recruitment & Internships

Online Learning Solutions



- Online MBA / Diploma Programs
- AI - Platforms for Schools / Colleges
- Assessment Platforms for institutes



IT Managed Consulting



Enterprise & SME Solutions
Scratch to core value solutions



Cloud Service Consulting
Cloud for all - SME to Enterprise solutions



Computing Solutions
Desktop, Laptop, Server
Computing



Product Training Consulting
Offering Online / offline product training



IT Outsourcing
Sourcing team associates to leads



Automation
Various automation solutions transforming your work simple



Recruitment Consulting



Matching candidate
Matching candidate with their roles.



Skills Proficiency Tests
Evaluating candidate specific proficiency tests.



Behavioural Assessments
Assessing occupational interests and behavioural traits



Feedback
Evaluating the essence of the total person- performance



Management Training
Improve your team's leadership and management skills.



Background Checks
Employment verification / Cross referencing analysts and summary



Business Consulting



Tasks

Simplify what you do regularly to save you time and money and keep gray hairs away.



Tools

Present tools that will make completing your tasks even more effortless.



Processes

Eliminate bottlenecks and unnecessary steps to streamline your processes.



Online Presence

Propose improvements to how, what and when you communicate and present.



Management Training

Improve your team's leadership and management skills.



Everything

Do everything with you and all stakeholders involved in mind.



Products

School Assessment BARO

- ✔ Cloud-accessed from anywhere, anytime.
- ✔ Many Universities use BARO as Course suggestion tool.

College Assessment WEST

- ✔ Guided Self-Placement Tool for students
- ✔ Take right away English, ESL and most Math courses

Corporate Assessment Psychometric

- ✔ Technology-driven assessment to identify leadership skills
- ✔ Measures candidate industry-relevant, coding & cognitive skills



[Training](#) [Services](#) [Products](#) [Why IRMS?](#) [Contact](#)

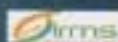
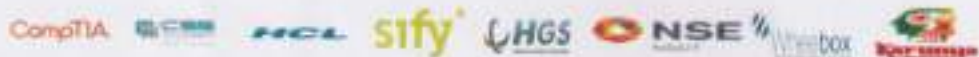
Why IRMS?

Integrated Resource Management Solutions is a Service Organization that delivers world class training, recruitment solutions & Business Consulting - (BPO/ITES industry) to a spectrum of clients across the country. A young and fast growing organization. Our mission is to provide world class Training and recruitment solutions, services and products to a wide array of clients across various industry areas such as BPO, KPO, Finance, Insurance, Telecom and healthcare.



[Training](#) [Services](#) [Products](#) [Why IRMS?](#) [Contact](#)

Our Partners



Integrated Resource Management Solutions

Training

[info@irms.co.in](#)

[recruitment](#)

Menu

[Training](#)

[Services](#)

[Products](#)

[Why IRMS?](#)

[Contact](#)

Design By: [www.irms.co.in](#) | 011-2614 2000 | All rights reserved

When you enter or interact with this site, you consent to fully, exclusively and irrevocably transfer all rights in any and all content, text, graphics, images, and other materials to us for our use in any and all media.



[Training](#) [Services](#) [Products](#) [Why Arms?](#) [Contact](#)

Let's talk



Corporate office

Arms is a registered Resource Management Solutions (RMS) firm - 21407 S. 211th Ave.
Box 905, Fort Avenue, Arroyo Viejo East, Channahon - 61310-0905

Email

info@armsinc.com

Mobile

+1-888-772-2667

Talk with our Expertise

Name

Your Name

Email address

info@armsinc.com

Contact number

Mobile number

Location

Enter your location

Message

Forward this to:

Contact Us



To Vice chancellor -Sathyabama Inst ...

₹93,000

Consulting charges 2nd payment

✓ Completed • December 29, 2021 at 9:32 AM

City Union Bank XXXXXX5639



UPI transaction ID

136326542078

To

.... 5039

From: INTEGRATED RESOURCE
MANAGEMENT SOLUTIONSRAJA C (City
Union Bank)

rajairms@okhdfcbank

Google transaction ID

Having issues?

Split with friends



11/2021

F.No.21

To the Branch Manager

CITY UNION BANK LTD.,

(Regd office: 149, T.S.R. (Big) Street, Kumbakonam)

CIN: 165110TN1904PLC001287

ADINA NAGAR, CHENNAI Branch

Dear sir,

Please remit through NEFT/RTGS a sum of ₹ 93000/- (Rupees in words) only

as per details given below:

☐ Cash
 ☒ Cheque
 ☐ Debit my / our account

*In case of cash, please fill in the pay-in-slip

*To be filled by the Applicant in CAPITAL LETTERS

DETAILS OF APPLICANT (REMITTER)

Account Number: 510909010125639

Cheque Number: 000012

Remitter's Name: INTEGRATED Resource Management Solutions

Address: 7th Main Road, 3rd Floor, New Colony, Chennai - 600044

Mobile/Other Number: 988422649

DETAILS OF BENEFICIARY

Beneficiary's Name: VICE CHANCELLOR, SATHYA RAMA UNIVERSITY, Chennai - 600044

Account Number: 6500955039

Bank Name: INDIAN BANK

IFSC code (11-digit): IDIB000S201 (IDIB000S201)

Branch Address: SATHYA RAMA UNIVERSITY, Chennai - 600044

Sender to Receiver information (if any):

TERMS AND CONDITIONS

* This transfer is valid for a single transaction. The fund transfer will be governed by the Terms and Conditions given on our website www.CityUnionBank.com

CUB

New Colony Chrompet Branch
105 BASKAR PLAZA
NEW COLONY CHROMPET CHENNAI - 600044
IFSC Code: CUB0000433NEW COLONY CHROMPET BRANCH
105 BASKAR PLAZA
NEW COLONY CHROMPET CHENNAI - 600044
IFSC Code: CUB0000433

VALID FOR THREE MONTHS ONLY

24/11/2021
DDMMYY

Pay to the order of

Rupees ₹ 93000/-

OR BEARER

OR BEARER

₹ 93000/-

A/c No. CA 510909010125639

For INTEGRATED RESOURCE MANAGEMENT SOLUTIONS

12/11/2021
Proprietor

Payable at all branches

000017 600054083: 100276* 29

Name and Signature of Bank Official



To Vice chancellor -Sathyabama Inst ...

₹7,000

Balance IRMS

✓ Completed • December 30, 2021 at 1:30 PM

City Union Bank XXXXXX5639



UPI transaction ID

136477695009

To

.... 5039

From: INTEGRATED RESOURCE
MANAGEMENT SOLUTIONSRAJA C (City
Union Bank)

rajairms@okhdfcbank

Google transaction ID

CICAqODhnozcxg

Having issues?

Split with friends



29-Dec 2021

Certificate of Completion

This is to certify that **Sathyabama Institute of Science and Technology** has successfully completed the **Web Development with Testing – Web Site Development project**. All fields and has been developed as per our specifications accepted. **IRMS** and team has verified all fields & pages, including lead write back and application is working fine.

Name of the Project: Web Development with Testing and Lead fields

Project Execution Period: 15th Oct 2021 – 20th Dec 2021

Technologies Used: My Sql, PHP Framework & Content Writing



For IRMS

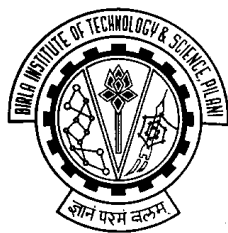
Raja.C

Location Head - Operations

Integrated Resource Management Solutions

**A-1, "Alsa – Crest" C-57(New No.80), First Avenue,
Anna Nagar East, Chennai – 600 102**

(Above Naidu Hall) www.irms.co.in



Birla Institute of Technology And Science, Pilani
Work Integrated Learning Programmes Division
Vidya Vihar Campus, Pilani 333031

Multilocation

Feb. 6, 2022

To

Name: R. AROUL CANESSANE

Course(s): DSECLZG628T-DSECLZG628T - Dissertation

Semester: 2021-22 Sem I

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

To begin with, it is necessary that we gain a better understanding of BITS Work Integrated Learning Programmes (WILP) and the roles and responsibilities as a guest faculty of BITS. To aid the same, you may go through the video modules hosted at https://elearn.bits-pilani.ac.in/user/static/guest_induction/, which would provide an overall orientation and also outline the learner centric approach to teaching followed at BITS.

• Evaluation Process for Dissertation:

The students enrolled in our degree programs would be registered for full semester dissertation in their final semester. Dissertation topic may be relevant to the ongoing work being done by the student in his/her parent organization, supported by clear objectives, methodologies, analysis & results, and comparison with other solutions, if any. The student works under the guidance of a mentor from the organization. Two examiners are also chosen to share their perspective to the proposed work. Your expertise is sought in the following three stages.

The Proposal Outline - The aim of the proposal review is to see that the chosen topic of work is non-trivial, analytical, application-oriented justify substantial research and/or development effort based on a specific theme. Students should choose only topics for which the work done can be presented, demonstrated and defended. This component carries 10% weightage. You may either accept the proposal, suggest modifications or reject the proposal based on the level of the proposed work and the time frame.

Mid semester - To review the project work along with midterm presentation and report as per the 'Plan of Work' and provide the appropriate feedback. A detailed evaluation has to be filled in along with the proposed grade which is one of Excellent, Good, Fair, Poor or RRA.

Final Evaluation - To evaluate the progress made by the individual student towards attaining the overall objective(s) of the Dissertation work through final presentation and the final project report. The final evaluation sheet is to be submitted to the BITS Coordinator along with the proposed grade which is one of Excellent, Good, Fair, Poor or RRA.

Please find below the honorarium package:

Dissertation Evaluation



PURCHASE ORDER

PO No: 1675/THREMEAR/2021-22

To

Date: 12/01/2022

Centre for Drug Discovery and Development
Sathyabama Institute of Science and Technology
Chennai- 600119.

Shipping address

Thremear private limited
Pl.No.672, II Cross Street,
Sri Devi Karumariamman Nagar main Rd,
Nandambakkam, Tamil Nadu 600069.

Billing address

Thremear private limited
Pl.No.672, II Cross Street,
Sri Devi Karumariamman Nagar main Rd,
Nandambakkam, Tamil Nadu 600069.

Description of Analysis Required

S. No	Type of Analysis	Samples Quantity	Charges per sample (Rs.)	Total Charges (Rs.)
1	Anti-TB evaluation of synthetic compounds	6	5208.00	31,250.00
Total				31,250.00
Rupees thirty one thousand two hundred and fifty only				

Terms and Conditions:

1. Payment will be made after receipt of the invoice for 50% of samples tested.
2. Payment will be transferred through net-banking to the following account details.

Name of the Account Holder: Sathyabama Institute of Science & Technology

Account Number: 482965061

Name of the Bank & Branch: Indian Bank, Sathyabama University Branch, Chennai-600119

IFSC code: IDIB000S201

Place: Chennai

Signature of the In-Charge



PURCHASE ORDER

PO No: 01654/THREMEAR/2021-22

Date: 03/12/2021

To

Centre for Drug Discovery and Development
Sathyabama Institute of Science and Technology
Chennai- 600119.

Shipping address

Thremear private limited
Pl.No.672, II Cross Street,
Sri Devi Karumariamman Nagar main Rd,
Nandambakkam, Tamil Nadu 600069.

Billing address

Thremear private limited
Pl.No.672, II Cross Street,
Sri Devi Karumariamman Nagar main Rd,
Nandambakkam, Tamil Nadu 600069.

Description of Analysis Required

S. No	Type of Analysis	Samples Quantity	Charges per sample (Rs.)	Total Charges (Rs.)
1	Exploring polychaete associated actinobacteria- antimicrobial and biofilm	10	1000.00	10,000.00
Total				10,000.00
Rupees ten thousand only				

Terms and Conditions:

1. Payment will be made after receipt of the invoice for 50% of samples tested.
2. Payment will be transferred through net-banking to the following account details.

Name of the Account Holder: Sathyabama Institute of Science & Technology

Account Number: 482965061

Name of the Bank & Branch: Indian Bank, Sathyabama University Branch, Chennai-600119

IFSC code: IDIB000S201

Place: Chennai

Signature of the In-Charge



GESCO Healthcare Pvt. Ltd.

PURCHASE ORDER

PO No: 02301/GESCO/2021-22

To

Date: 25/01/2022

Centre for Drug Discovery and Development
Sathyabama Institute of Science and Technology
Chennai- 600119.

Shipping address

Gesco Healthcare Pvt. Ltd.
Natural Remedies Division,
Old No.73, New No. 2, S-Block, 18th Street,
Anna Nagar,
Chennai, Tamil Nadu 600040.

Billing address

Gesco Healthcare Pvt. Ltd.
Natural Remedies Division,
Old No.73, New No. 2, S-Block, 18th Street,
Anna Nagar,
Chennai, Tamil Nadu 600040.

Description of Analysis Required

S. No	Type of Analysis.	Samples Quantity	Charges per sample (Rs.)	Total Charges (Rs.)
1	Screening of bio wash for its antimicrobial activity	1	25,000.00	25,000.00
Total				25,000.00
Rupees twenty five thousand only				

Terms and Conditions:

1. Payment will be made after receipt of the invoice for 50% of samples tested.
2. Payment will be transferred through net-banking to the following account details.

Name of the Account Holder: Sathyabama Institute of Science & Technology

Account Number: 482965061

Name of the Bank & Branch: Indian Bank, Sathyabama University Branch, Chennai-600119

IFSC code: IDIB000S201

Place: Chennai

Signature of the In-Charge



Global Procurement

8503044946: Sathyabama Institute of Science and Technology UV analysis 22.06.2021

Version Number : 1
Internal Version : false
Issued on : 22-Jun-2021
Created on : 22-Jun-2021 by VENKATARAMAN, SIVAKUMAR

Supplier:

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
JEPPIAR NAGAR RAJIV GANDHI SALAI
CHENNAI
600119
India

Ship To:

Pfizer Healthcare India Pvt. Ltd.
Survey No. 476/14, Old
Mahabalipuram Road,
Chennai, INDIA
600119
India

Bill To:

Please send soft copy Invoice email to:
APDocumentation@pfizer.com
237, Anna Salai, Pincode: 600006
Tamil nadu, Chennai
India

Deliver To:

VENKATARAMAN, SIVAKUMAR

GL Account:

General Ledger Name: PROF & CONSULTING-
OUTSIDE LAB SERVICE (912)
ID: 0041140000

Cost Center:

Cost Center Name: SH-ARD LAB-NON GMP
ID: 0002668603

Project/WBS:

Description: Common- Solvents , Reagents
etc

ID: AD-INDSHOLRD-32

Asset Number:

Internal Order:

Item	Description	Part Number	Unit	Qty	Need By	Unit Price	Extended Amount
1	Uv-Vis absorption Studies Qty: 1 (set of 10... Uv-Vis absorption Studies Qty: 1 (set of 10 samples)		Service Unit	1	30-Jul-2021	18,300.00 INR	18,300.00 INR

Requester: VENKATARAMAN, SIVAKUMAR

Form:

PR No.: EP4839478

Building: Main Building

Room Number: Ground floor

Extension: 47104

PR No.: PR8912400

Deliver To: VENKATARAMAN, SIVAKUMAR

Ship Via: L3

Shipping Terms: Delivered At Place

Is this an HCP line?: No

Name:

Name:

Contract/Reference Number:

Total 18,300.00 INR

Comments

Program Details

- COMMENT by CAO, MIN on 23/06/2021
Please refer to the quotation No.2021-1. (CAO, MIN, 23-Jun-2021)

Standard PO Notes:

Name of the Program		Year of Commencement	Year		Actual Admitted (within 10 days)
Student			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
Faculty			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
Contractor			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
Previous			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	
			2021-22	2021-22	

Notes: Consideration of Contractual Faculty means:

At the time of selection, the faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

1. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

2. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

3. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

4. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

5. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

6. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

7. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

8. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

9. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.

10. The faculty member will be considered for the contract if they have been in the faculty for the last 12 months and have not been in the faculty for the last 12 months.



गैस टरबाइन अनुसंधान स्थापन (रक्षा मंत्रालय)

GAS TURBINE RESEARCH ESTABLISHMENT

GENERAL 2020-21

DRDO. MM 10

CASH PURCHASE DEMAND

Page 1 of 1

Group/Division : MG

Demand No GTRE/CP/MG/0028/20-21

Project : Buildup/Maintenance

Date : 09-Mar-21

PDC(for project only)

Inventory None

20

The following items are to be procured through cash purchase to meet urgent requirements as supply of these items through normal purchase can not be awaited. Approval of the CFA may kindly be accorded.

Sl No.	Item Code	Nomenclature	Unit of measur	C/NC/CF/S/I	Qty	Rate	Estimated Cost
1	A7G00237	Raman Spectra characterization charges	EA	S	10	2500	25000

Total amount for which sanction is required :

Rs. 25000

Justification : Required for characterization TBC coated samples to assess its degradation. Raman spectroscopy produces Raman spectra with peaks corresponding to various phases present in the TBC coating. The Raman peaks will get shifted from ideal stress free position with increasing stress state of the coating. The peak shift can be used to assess the degradation of the TBC coatings.

Whether out station permission required.If yes, give : Yes. The required facility for doing coating characterization is available at Sathyabama University , Chennai

(Soft Copy Approved)		(Soft Copy Approved)	
Signature & Name	(TAMIL SELVI M, SC D) Demanding Officer	Signature & Name :	(SURESH KUMAR SP, SC H) Technical Director/Group director
Phone : 6603	Date : 09-Mar-2021	Phone : 6233	Date : 10-Mar-2021

Certified that unit of measure and C/NC category is correct as per ledger.
Items Available / Not available in Central Stock.

Phone :

Date :

-NA-

Stores Officer/Stock Holding Officer

Local Purchase/Out station purchase approved and Cash Officer is authorised to pay sanctioned amount of Rs. 25000

Date 12-Mar-2021

(Soft copy Approved)

SIDDIQUE MZ, DS&DIR
CFA/Authorized Signatory

CERTIFICATE (GFR Rule 154)

I am personally satisfied that these goods purchased are of the requisite quality and specification and have been purchased from a reliable supplier at a reasonable price.

Date

Member

Member

Cash Purchase Officer/DO

(Soft copy Approved)

SIDDIQUE MZ, DS&DIR
CFA/Authorized Signatory

Out station purchase is approved.

Date:

SIDDIQUE MZ
DIRECTOR

WABCO

Vehicle Control Systems

WABCO INDIA LIMITEDPlant I, Plot No. 3, (SP),
III Main Road, Ambattur Industrial Estate,
Chennai – 600 058, India.

www.wabcoindia.com

Phone : +91-44-30902600 / 42242000

Fax : +91-44-30902609 / 42242009

PROJECT ON SEM-EDAX CHARACTERIZATION STUDIES WITH M/S SATHYABAMA INSTITUTE

Project Overview:

As part of product development, material technology team is carrying out technology projects and product related failure analysis on various materials which requires advance characterization studies such as SEM, EDAX. In this regard, NDA is made with M/s Sathyabama Institute of Science and Technology and associated with them as the service provider. In order to proceed further, it is treated as advance characterization project and its deliverables as follows

- SEM characterization studies on around 50 samples per annum.
- Samples nature would be majorly in metallic (steel and Al) and very few samples made of elastomer material
- WABCO samples have to be given priority for in characterization studies to avoid time delay.

It is requested to M/s Sathyabama for some concession in SEM-EDAX analysis charges.

Project and fund details

1.	Application Institution (Full Address)	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY Jeppiaar Nagar, Rajiv Gandhi Road, Chennai - 600 119.
2.	Title of the Research Proposal	SEM-EDAX Characterization Studies on Research Material
3.	Name of the Principal Investigator (Address/Phone/E-mail)	VISWANATHAN K, Scientist-C, Centre For Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Rajiv Gandhi Road, Jeppiaar Nagar, Chennai-119 E-mail: viswatronics@gmail.com Mobile: 9176619444 Tel: 044-24503065
4.	Proposed duration of Research Project	01 Years

WABCO

Vehicle Control Systems

WABCO INDIA LIMITEDPlant I, Plot No. 3, (SP),
III Main Road, Ambattur Industrial Estate,
Chennai – 600 058, India.

www.wabcoindia.com

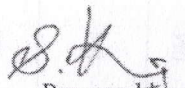
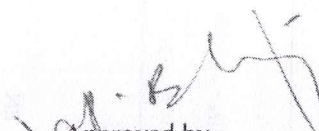
Phone : +91-44-30902600 / 42242000

Fax : +91-44-30902609 / 42242009

5.	Amount of grant requested (in Rs.)	1 st Year 2100*50 : 105000
		Total : 105000
	Break ups for expenditure (in Rs)	
	(i) Staff	-Nil-
	(ii) Equipment and Supplies	-Nil-
	(iii) Others (overhead 15%)	15750
	Total	Total: Rs. 120750

Terms and conditions:

- Payment shall be made after receipt on invoice against the PO number depending on work completion basis.
- Payment will be made through RTGS/NEFT bank transfer.


Prepared byKarthi S,
Materials technology,
WABCO India Ltd
Date:28.10.2020
Approved byBalaji VP,
Materials technology-
Team leader,
WABCO India Ltd
Date:28.10.2020

ATOMIC FORCE MICROSCOPY CHARACTERIZATION STUDIES WITH M/S SATHYABAMA INSTITUTE

Project Overview:

As part of product development, material technology team is carrying out technology projects and product related failure analysis on various materials which requires advance characterization studies by AFM. In this regard, NDA is made with M/s Sathyabama Institute of Science and Technology and associated with them as the service provider. In order to proceed further, it is treated as advance characterization project and its deliverables as follows

- AFM characterization studies on Metal samples for topography measurement
- Samples nature would be majorly in metallic (steel and Al) and very few samples made of elastomer material
- WABCO samples have to be given priority for in characterization studies to avoid time delay.

It is requested to M/s Sathyabama for some concession in AFM analysis charges.

Project and fund details

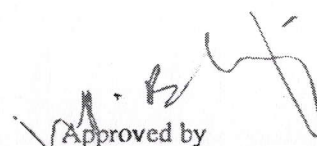
1.	Application Institution (Full Address)	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY Jeppiaar Nagar, Rajiv Gandhi Road, Chennai - 600 119.
2.	Title of the Research Proposal	AFM Characterization Studies on Research Material
3.	Name of the Principal Investigator (Address/Phone/E-mail)	Dr. D. Ramachandran, Scientist-C, Centre For Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Rajiv Gandhi Road, Jeppiaar Nagar, Chennai-119 E-mail: ramnaami@gmail.com Mobile: 9884957212 Tel: 044-24503065
4.	Proposed duration of Research Project	01 Years

5.	Amount of grant requested (in Rs.)	1 st Year 4600*25 : 115000
		Total : 115000
	Break ups for expenditure (in Rs)	-Nil-
	(i) Staff	
	(ii) Equipment and Supplies	-Nil-
	(iii) Others (overhead 15%)	17250
	Total	Total: Rs. 132250

Terms and conditions:

- Payment shall be made after receipt on invoice against the PO number depending on work completion basis.
- Payment will be made through RTGS/NEFT bank transfer.


Prepared by
Karthi S,
Materials technology,
WABCO India Ltd
Date:28.10.2020


Approved by
Balaji VP,
Materials technology-
Team leader,
WABCO India Ltd
Date:28.10.2020

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-III, PRSO, RFT AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA**

Ph No: 0471-2563775, 3609, 3617
Fax 0471-2562105
Email: spso_prso@vssc.gov.in

2020-21

Date : 29/12/2020

INVITATION TO TENDER

M/s

S02818

Our Ref No : 5562 2020-001545-01

Tender Due: 14:00 Hrs IST on 19/01/2021

**SATHYABAMA UNIVERSITY
CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY,
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI 600 119
INDIA
Ph: 044-24503150/3151 Fx: 044-2450 2344**

Dear Sirs,

Please submit your sealed quotation, in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature, superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No: FORM NO 20 & 23 A) ATTACHED.

S.No.	Description of Items with Specifications	Unit	Quantity
1	In-situ High-temperature Raman analysis of preceramic polymers at specified temperatures: 11 scans /sample	Bottle	10
2	AS PER SPECIFICATIONS PROVIDED IN ANNEXURE-1		

DELIVERY AT: CRS,VSSC

MODE OF DESPATCH BY ROAD

DUTY EXEMPTIONS INDICATE HSN CODE OF THE ITEM IN YOUR OFFER.

SPECIAL INSTRUCTIONS AS PER SPECIFIC "TERMS AND CONDITIONS" ATTACHED.

SPECIFIC TERMS FORM NO 20 & 23 ATTACHED.

**REMADEVI P
PURCHASE & STORES OFFICER
For and on behalf of the President of India
The Purchaser**

5

SPECIFICATIONS FOR
HIGH TEMPERATURE RAMAN SPECTROSCOPY

1. Scope:

In-situ high-temperature RAMAN spectroscopic analysis of preceramic polymers

2. Specifications/Conditions:

- a) The analysis to be carried out in the Renishaw Raman Spectroscope with Linkam TS1500 high temperature attachment.
- b) The analysis to be carried out at specified temperatures ranging from RT to 1000°C.
- c) 5g of solid sample will be sent from VSSC in a sealed bottle via POST to the institute.
- d) CARE should be taken to avoid exposure to air and moisture other than necessary for the analysis as most of the samples are hygroscopic in nature.
- e) The analysis shall be completed within 2 WEEKS from the date of receipt of the sample at the institute.
- f) The analysis DATA (images and data files) should be provided in a CD and sent to VSSC along with the INVOICE, via india post, within 2 weeks from the date of receipt of the sample at the institute.



पौ.रमादेवी
P. REMADEVI
क्रय एवं भंडार अधिकारी
Purchase & Stores Officer

**COMMERCIAL COMPLIANCE MATRIX TO BE FILLED AND SUBMITTED BY THE VENDORS
ALONGWITH THEIR QUOTATION (MANDATORY):**

As per the latest Govt. rules and CVC guidelines, acceptance of Liquidated Damage(LD) clause for delayed delivery and submission of Security Deposit are mandatory.			
	Yes	No	Details
1. Liquidated Damage (LD): The Delivery Date mentioning in the Contract/order will be the essence of the Contract. You shall strictly adhere to the delivery schedule mentioned in your quotation. Pl. confirm acceptance of LD clause and that you will strictly adhere to the delivery schedule.			
2. Payment Terms (in Indigeneous case): Our normal payment terms is "within 30 days after receipt/installation and acceptance of item at our site". Pl. accept the same and confirm. Payment Terms (in Import case): Our normal payment terms are Sight Draft. Pl. accept the same and confirm.			

Note: Acceptance of LD Clause is compulsory. Quotations not accepting the above conditions will not be considered.

(Signature of Tenderer)

(Seal)

DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-III
PRSO PURCHASE,
RFF AREA, ISRO P.O.,
THIRUVANANTHAPURAM- 695 022

Tele No: 0471-256 3775, 3617, 3609

Fax No: 0471-256 2105

E-Mail ID: spso_prso@vssc.gov.in**INSTRUCTIONS TO TENDERERS**

1. Tenders should be sent in sealed envelopes superscribing the relevant tender No, and the due date of opening. Only one tender should be sent in each envelope.
2. Late tenders and delayed tenders will not be considered.
3. Sales Tax and/or other duties/levies legally leviable and intended to be claimed should be distinctly shown separately in the tender.
4. As a Government of India Department, this office is exempted from payment of Octroi and similar local levies. Tenderers shall ensure that necessary Exemption Certificates are obtained by them from the Purchase Officer concerned to avoid any payment of such levies.
5. a) Your quotation should be valid for 90 days from the date of opening of the tender.
b) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
6. Preference will be given to those tenders offering supplies from ready stocks and on the basis of FOR destination/delivery at site.
7. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
(b) Samples, if called for, should be submitted free of all charges by the tenderer and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of nonacceptance of tender, the tenderer will have to remove the samples at his own expense.
(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
(d) **Specifications:** Stores offered should strictly confirm to our specifications. Deviations, if any, should be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotations. Test Certificates, wherever necessary, should be forwarded along with supplies. Wherever options have been called for in our specifications, the tenderer should address all such options. Wherever specifically mentioned by us, the tenderer could suggest changes to specifications with appropriate response for the same.
8. The purchaser shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portions of the quantity offered and the tenderers shall supply the same at the rates quoted.
9. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
10. The tenderer should supply along with his tender, the name of his bankers as well as the latest Income- Tax clearance certificate duly countersigned by the Income-Tax Officer of the Circle concerned under the seal of his office, if required by the Purchaser.
11. The Purchaser reserves the right to place order on the successful tenderer for additional quantity up to 25% of the quantity offered by them at the rates quoted.
12. The authority of the person signing the tender, if called for, should be produced.

TERMS & CONDITIONS OF TENDER**1. DEFINITIONS:**

- (a) The term 'Purchaser' shall mean the President of India or his successors or assigns.
- (b) The term 'Contractor' shall mean, the person, firm or company with whom or with which the order for the supply of stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the Contract.
- (c) The term 'Stores' shall mean what the Contractor agrees to supply under the Contract as specified in the Purchase Order including erection of plants & machinery and subsequent testing, should such a condition is included in the Purchase Order.
- (d) The term 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorised intimating the acceptance on behalf of the Purchaser on the terms and conditions mentioned or referred to in the said communication accepting the tender or offer of the Contractor for supply of stores or plant, machinery or equipment or part thereof.

2. PRICES:

Tender offering firm prices will be preferred. Where a price variation clause is insisted upon by a tenderer, quotation with a reasonable ceiling should be submitted. Such offers should invariably be supported by the base price taken into account at the time of tendering and also the formula for any such variation/s.

3. SECURITY DEPOSIT:

On acceptance of the tender, the Contractor shall, at the option of the Purchaser and within the period specified by him, deposit with him, in cash or in any other form as the Purchaser may determine, security deposit not exceeding ten percent of the value of the Contract as the Purchaser shall specify. If the Contractor is called upon by the Purchaser to deposit, 'Security' and the Contractor fails to provide the security within the period specified, such failure shall constitute a breach of the Contract, and the Purchaser shall be entitled to make other arrangements for the re-purchase of the stores Contracted at the risk of the Contractor in terms of Sub-Clause (ii) and (iii) of clause 10(b) hereof and/or to recover from the Contractor, damages arising from such cancellation.

4. GUARANTEE & REPLACEMENT:

- (a) The Contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material, workmanship and performance.
- (b) For a period of twelve months after the acceptance of the stores, if any defects are discovered therein or any defects therein found to have developed under proper use, arising from faulty stores design or workmanship, the Contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the stores or any part thereof are faulty.
- (c) If, in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser, provided the notice informing the Contractor of the defect is given by the purchaser in this regard within the said period of 14 months from the date of acceptance thereof.
- (d) Should the Contractor fail to rectify the defects, the purchaser shall have the right to reject or repair or replace at the cost of the Contractor the whole or any portion of the defective stores.
- (e) The decision of the purchaser notwithstanding any prior approval or acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stores supplied by the Contractor are defective or any defect has developed within the said period of 12 months or as to whether the nature of the defects requires renewal or replacement, shall be final, conclusive and binding on the Contractor.
- (f) To fulfil guarantee conditions outlined in clause 4 (a) to (e) above, the Contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 10% of the value of the Contract along with first shipment documents. On the performance and completion of the Contract in all respects, the Bank Guarantee will be returned to the Contractor without any interest.
- (g) All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of the stores at purchaser's site.
- (h) Even while the 12 months guarantee applies to all stores, in case where a greater period is called for by our specifications then such a specification shall apply in such cases the period of 14 months referred to in para 4 (b) & (c) shall be the 'asked for' guarantee period plus two months.

5. PACKING FORWARDING & INSURANCE:

The Contractor will be held responsible for the stores being sufficiently and properly packed for transport by rail, road, sea or air to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packages shall be done by and at the expense of the Contractor. The purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the Contractor and the Purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.

6. DESPATCH:

The Contractor is responsible for obtaining a clear receipt from the Transport Authorities specifying the goods despatched. The consignment should be despatched with clear Railway Receipt/Lorry Receipt. If sent in any other mode, it shall be at the risk of the Contractor. Purchaser will take no responsibility for short deliveries or wrong supply of goods when the same are booked on 'said to contain' basis. Purchaser shall pay for only such stores as are actually received by them in accordance with the Contract.

7. TEST CERTIFICATE:

Wherever required, test certificates should be sent along with the despatch documents.

8. ACCEPTANCE OF STORES:

- (a) The stores shall be tendered by the Contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expense and cost.
- (b) It is expressly agreed that the acceptance of the stores Contracted for, is subject to final approval by the purchaser, whose decision shall be final.
- (c) If, in the opinion of the purchaser, all or any of the stores do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accepted at a price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the Contractor.
- (d) If the whole or any part of the stores supplied are rejected in accordance with Clause No. 8 (c) above, the purchaser shall be at liberty, with or without notice to the Contractor, to purchase in the open market at the expense of the Contractor stores meeting the necessary performance and quality Contracted for in place of those rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

9. REJECTED STORES:

Rejected stores will remain at destination at the Contractor's risk and responsibility. If instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice of rejection, the purchaser or his representative has, at his discretion, the right to scrap or sell or consign the rejected stores to Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

10. DELIVERY:

(a) The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed on or before the specified dates.

(b) Should the Contractor fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, the purchaser shall be entitled at his option either,

(i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 0.5% per week of the price of any stores which the Contractor has failed to deliver as aforesaid or during which the delivery of such store may be in arrears subject to a minimum of 10%, or

(ii) to purchase from elsewhere, without notice to the Contractor on the account and at the risk of the Contractor, the stores not delivered or others of a similar description (where others exactly complying with the particulars, are not, in the opinion of the purchaser, readily procurable, such opinion being final) without cancelling the Contract in respect of the consignment (s) not yet due for delivery, or

(iii) to cancel the Contract or a portion thereof and if so desired to purchase or authorise the purchase of stores not so delivered or others of a similar description (where others exactly if complying with the particulars are not, in the opinion of the purchaser, readily procurable, such opinion final) at the risk and cost of the Contractor.

In the event of action being taken under sub-clause (ii) & (iii) of clause 10 (b) above, the Contractor shall be liable for any loss which the purchaser may sustain on that account, provided that the re-purchase or if there is an agreement to repurchase then such agreement is made within six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. The manner and method of such re-purchase shall be at the discretion of the purchaser, whose decision shall be final. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor. This right shall be without prejudice to the right of the purchaser to recover damages for breach of Contract by the Contractor.

11. EXTENSION OF TIME:

As soon as it is apparent that the Contract dates cannot be adhered to, an application shall be sent by the Contractor to the purchaser. If failure, on the part of the Contractor, to deliver the stores in proper time shall have arisen from any cause which the purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final) he may allow such additional time as he considers it to be justified by circumstances, of the case without prejudice to the purchaser's right to recover liquidated damages under clause 10 thereof.

12. ERECTION OF PLANT & MACHINERY:

Wherever erection of a plant or machinery is the responsibility of the Contractor as per the terms of the Contract and in case the Contractor fails to carry out the erection as and when called upon to do so within the period specified by the purchaser, the purchaser shall have the right to get the erection done through any source of his choice. In such an event, the Contractor shall be liable to bear any additional expenditure that the purchaser is liable to incur towards erection. The Contractor shall, however, not be entitled to any gain due to such an action by the purchaser.

13. PAYMENT:

Contractor's bill will be passed for payment only after the stores have been received, inspected and accepted by the Purchaser.

14. MODE OF PAYMENT:

Normally payment will be made for the accepted stores within 30 days from the date of receipt of the materials.

15. RECOVERY OF SUM DUE:

Whenever any claim for the payment of, whether liquidated or not, money arising out of or under this Contract against the Contractor, the purchaser shall be entitled to recover such sum by appropriating in part or whole, the security deposited by the Contractor, if a security is taken against the Contract. In the event of the security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be, shall be deducted from any sum then due or which at any time thereafter may become due to the Contractor under this or any other Contract with the purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claim, whether liquidated or not, against the Contractor under any other Contract with the purchaser, the payment of all moneys payable under the Contract to the Contractor including the security deposit shall be withheld till such claims of the purchaser are finally adjudicated upon and paid by the Contractor.

16. INDEMNITY:

The Contractor shall warrant and be deemed to have warranted that all stores supplied against this Contract are free and clean of infringement of any Patent, Copyright or Trademark, and shall at all times indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by Patent Registration of design or Trade mark and shall take all risk of accidents or damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for sufficiency of all means used by him for the fulfilment of the contract.

17. ARBITRATION:

In the event of any question, dispute or difference arising under these conditions or any conditions contained in the Purchase Order or in connection with this Contract (except as to any matter the decision of which is specially provided for by these conditions), the same shall be referred to the sole arbitration of the Head of the Purchase office or some other person appointed by him. It will be no objection that the arbitrator is a Government servant, that he had to deal with matter to which the Contract relates or that in the course of his duties as Government servant he has expressed views on all or any other matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties of this Contract.

If the arbitrator be the Head of the Centre/Unit –

- (i) In the event of his being transferred or vacating his office by resignation or otherwise, it shall be lawful for his successor-in-office either to proceed with reference himself, or to appoint another person as arbitrator, or
- (ii) In the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Centre/Unit to appoint another person as arbitrator.

If the arbitrator be a person appointed by the Head of the Purchase Office –

In the event of his dying, neglecting or refusing to act or resigning or being unable to act, for any reason, it shall be lawful for the Head of the Centre/Unit either to proceed with the reference himself or appoint another person as arbitrator in place of the outgoing arbitrator.

Subject as aforesaid the Arbitration & Conciliation Act 1996 and the rules thereunder and any statutory modifications thereof for the time being in force shall be deemed to apply to the arbitration proceedings under this Clause. The Arbitrator shall have the power to extend with the consent of the purchaser and the Contractor the time for making and publishing the award. The venue of arbitration shall be the place as purchaser in his absolute discretion may determine. Work under the Contract shall, if reasonably possible, continue during arbitration proceedings.

In the event of any dispute or difference relating to the interpretation and application for the provisions of the Contracts, such dispute or difference shall be referred by either party to Arbitration of one of the Arbitrations in the Department of Public Enterprises. The Arbitration Act 1996 shall not be applicable to arbitration under this clause. The award of the Arbitrator shall be binding upon the parties to the dispute provided however any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Govt. of India. The parties to the dispute will share equally, the cost of arbitration as intimated by Arbitrator.

18. COUNTER TERMS AND CONDITION OF SUPPLIERS:

Where counter terms and conditions printed or cyclostyled conditions have been offered by the supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

19. SECURITY FOR PURCHASE OF MATERIALS:

Successful tenderer will have to furnish in the form of a bank guarantee or any other form as called for by the purchaser towards adequate security for the materials and properties provided by the Purchaser for the due execution of the Contract.



Purchase order

Date: 18/08/2020

PO No: 0234/VIVAGEN/2020-21

To

Centre for Drug Discovery and Development
Sathyabama Institute of Science and Technology
Chennai- 600119.

Shipping address

Vivagendx labs (opc) private limited,
Natesha apartments 1st floor NO.28,
Venkateswara nagar, 100 feet by pass road,
Velachery,
Chennai- 600042.

Billing address

Vivagendx labs (opc) private limited,
Natesha apartments 1st floor NO.28,
Venkateswara nagar, 100 feet by pass road,
Velachery,
Chennai- 600042.

Description of Analysis Required

S. No	Type of Analysis	Samples Quantity	Charges per sample (Rs.)	Total Charges (Rs.)
1	Anti-mycobacterial screening	15	10,667.00	1,60,000.00
Total				1,60,000.00
Rupees one lakh sixty thousand only				

Terms and Conditions:

1. Payment will be made after receipt of the invoice for 50% of samples tested.
2. Payment will be transferred through net-banking to the following account details.

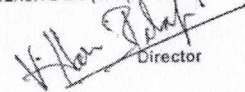
Name of the Account Holder: Sathyabama Institute of Science & Technology

Account Number: 482965061

Name of the Bank & Branch: Indian Bank, Sathyabama University Branch, Chennai-600119

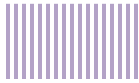
IFSC code: IDIB000S201

For VIVAGENDX LABS (OPC) PVT. LTD.


Director

Place: Chennai

Signature of the In-Charge



EDECONS
CONSULTANTS PVT LTD



■ **EDECONS CONSULTANTS PVT LTD**
(Engineering Designers Consortium)
690, 16th Main Road, 4th T Block, Jayanagar
Bangalore 560 041 | +91 080 4112 1685
99861 70804

19th May 2021

LETTER OF APPOINTMENT (ASSOCIATE CONSULTANT)

This letter of appointment as Associate Consultant, **Mr. J Vanjinathan – Asst. professor, Department of Civil Engineering, Sathyabama Institute of Science and Technology, Chennai, Tamilnadu** is representing our organization as **Associate Consultant - Technical – (Tamilnadu - Projects)**. He has been involved in Civil / Structural Design of RCC and Steel Structures for proposed construction of test cell 11 DELPHI-TVS Diesel Systems Limited, Mannur, Sriperumbudur Taluk

Kanchipuram District, Tamil Nadu - 602105, India,

DOC NO: 3162001466 **DOC DATE :** 16.12.2020

DOC TYPE: Service PO

VALIDITY FROM: 16.12.2020 **VALIDITY TO :** 07.02.2021 (Validity extends depends the progress of work)

DEPT : BOI0091 **VENDOR :** E0332

CIN : CIN U24117 TN1952 PLC 005704

GSTIN NO: 33AAACL1019K1ZW

RANGE : POONAMALLEE RANGE-III

DIVISION : POONAMALLEE

COMMISSIONERATE : CHENNAI-IV COMMISSIONERATE TNHB

SCOPE OF WORK: Detailed Architectural & Engineering Services:

- Architectural services: (Co-ordination with Office and site for list of works)
 - Finalize a master plan of plot connected to this project / proposal.
 - Prepare suitable plans, layout and sketches for the approval of the OWNER.
 - Prepare schematic architectural drawings.
 - Prepare working architectural drawings showing plan, elevation, section infrastructure and amenities.





EDECONS

CONSULTANTS PVT LTD



- Prepare flooring schedule, Prepare color scheme.
- Prepare plumbing and sanitary layout drawing.
- Prepare layout of road and storm water drain
- Assist OWNER in the form of providing drawings and technical documents to obtain statutory approvals.
- Civil ,structural , Water Supply & Sewerage engineer services: (Co-ordination with Office and site for list of works)
 - Technical Support for Soil Investigation (Agency to be appointed and paid by owner directly)
 - Prepare Design Basis Reports of every structures and submission for reference.
 - Undertake the complete civil and structural engineering, design and prepare general layout and detailed working drawings for RCC, structural steel and allied works connected with proposed plant.
 - Design and prepare drawings for utility services, along with supports as well as foundations for cables, treatment plants etc.
 - Finalize the detailed specifications, determine the bill of quantities and prepare detailed tender document for civil construction.
 - Prepare bill of materials for procurement of cement, structural and reinforcement steel.
 - Issue tender document for civil construction
 - Carry out technical evaluation of the bids received and recommend suitable contractor for civil construction.
 - Check and approve the detailed fabrication drawings for structural members prepared by contractors in compliance with code, design basis, etc.

REMUNERATION FOR INITIAL AND DETAILED SERVICES:

Site visit report to be prepared and produced to us, as a principal consultant we M/s EDECONS Constultans Pvt Ltd, will authorize and share the same document to client.

For above said works we shall be paid per visit 6,750. (Six thousand Seven hundred Fifty only)

Plus (IGST 18%) applicable.

Our GST : 29AADCE4211H2ZV

For EDECONS Consultants Pvt Ltd

Satheesh S V
Director





EDECONS
CONSULTANTS PVT LTD



■ **EDECONS CONSULTANTS PVT LTD**

(Engineering Designers Consortium)

690, 16th Main Road, 4th T Block, Jayanagar

Bangalore 560 041 | +91 080 4112 1685

99861 70804

10th Nov 2020

LETTER OF PAYMENT (ASSOCIATE CONSULTANT)

This letter of appointment as Associate Consultant, **Mr. J Vanjinathan – Asst. professor, Department of Civil Engineering, Sathyabama Institute of Science and Technology, Chennai, Tamilnadu** is representing our organization as **Associate Consultant - Technical**. He has been involved in Peer review (Structural Design validation and Value Engineering) for proposed construction of Commercial space project **“Divyasree ORION-B8, 2 Basements, 7 Levels of parking and 8 Floors of commercial space @ Special Economic Zone, Raidurga Mandal, Hyderabad, India,**

Payment :

For above said works we have be paid Lumpsum 1, 06,500. (One Lakh Six Thousand Five Hundred Only) Plus GST 18% (SGST 9% + IGST 9%) by Cash / online transfer

For EDECONS Consultants Pvt Ltd

Satheesh S V
Director





EDECONS
CONSULTANTS PVT LTD



■ **EDECONS CONSULTANTS PVT LTD**

(Engineering Designers Consortium)

690, 16th Main Road, 4th T Block, Jayanagar

Bangalore 560 041 J +91 080 4112 1685

20th Dec. 2019

LETTER OF PAYMENT (ASSOCIATE CONSULTANT)

This letter of appointment as Associate Consultant **Mr. J Vanjinathan – Asst. professor, Department of Civil Engineering, Sathyabama Institute of Science and Technology, Chennai, Tamilnadu** is representing our organization as **Associate Consultant - Technical**. He has been involved in Peer review (Structural Design validation and Value Engineering) for proposed construction of Commercial space project “**LUMAX – Industrial Space** @ Hindapur, Andhra Pradesh, India,

SCOPE OF SERVICES: (Structural Peer Review and Value Engineering)

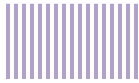
Payment Details:

For above said works we have be paid Lumpsum 54,000. (Fifty Four Thousand Only) Plus GST 18% (SGST 9% + IGST 9%) by Cash / online transfer

For EDECONS Consultants Pvt Ltd

Satheesh S V
Director





EDECONS
CONSULTANTS PVT LTD



■ EDECONS CONSULTANTS PVT LTD

(Engineering Designers Consortium)

690, 16th Main Road, 4th T Block, Jayanagar

Bangalore 560 041 | +91 080 4112 1685

99861 70804

15th March 2019

LETTER OF APPOINTMENT (ASSOCIATE CONSULTANT)

This letter of appointment as Associate Consultant, Mr. J Vanjinathan is representing our organization as **Associate Consultant - Technical – (Tamilnadu - Projects)**. He has been involved in Civil / Structural Design of RCC and Steel Structures for proposed construction of Proposed Hotel project @ Chrompet, Chennai, Tamil Nadu - 602105, India,

SCOPE OF SERVICES: (Civil and Structure – Design Co-ordination)

- Technical Support for soil investigation.
- Study the Architectural plan and sections.
- Providing Design brief report provided to understand the design parameters considered for Theoretical analysis and design.
- Conducting theoretical 3-Dimensional theoretical for analysis and design.
- With respect to soil investigation report and IS codes design the substructure.
- Participating meetings with architect's, clients and site.
- As per architectural floor plans, sections and elevations super structure details will be provided as Framing plan, Sab reinforcement and Beam reinforcement details.
- Submission of 6 copies of GFC drawings with Structural Engineer seal and signature.
- Detail specifications to determine the bill of quantities for structural items.
- Providing structural design report for approval norms and after completion of project Stability certificate will be issued.

REMUNERATION FOR INITIAL AND DETAILED SERVICES:

For above said works we shall be paid Lumpsum 76,500. (Seventy Six thousand Five hundred))

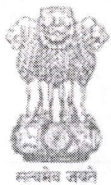
Plus GST 18% (SGST 9% + IGST 9%) applicable.

Our GST : 29AADCE4211H2ZV

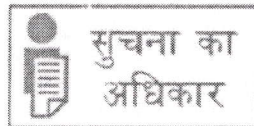
For EDECONS Consultants Pvt Ltd

Satheesh S V
Director





भारत सरकार
Government of India
पृथ्वी विज्ञान मंत्रालय
Ministry of Earth Sciences



राष्ट्रीय तटीय अनुसंधान केन्द्र (एन सी सी आर)

NATIONAL CENTRE FOR COASTAL RESEARCH (N C C R) 2019-20

Dr Pravakar Mishra
Scientist-F

E mail: mishra@nccr.gov.in

Phone: 9444054364, 044-66783591

Dated: 9th March 2020

Dr. T. Sasiprabha
Pro Vice Chancellor,
Sathyabama Institute of Science and Technology,
Chennai 600 119.
Email: provc@sathyabama.ac.in; 98401 33346

Dear Dr. Sasiprabha

Greetings from National Centre for Coastal Research (NCCR), an attached office of Ministry of Earth Sciences (MoES), Government of India. We are located at NIOT campus, Pallikaranai, Chennai.

I am writing you for your kind permission for using the "Raman Confocal Spectroscopy" analytical instrument available at Centre for Nanoscience and Nanotechnology of your University on payment basis. Two weeks back, 3 of our project scientists visited your centre and had a discussion with Prof Kuppusami Parasuraman and Mr Ajith Kumar, Ph.D student to find out the procedures required for usage of the instrument. During their visit, they also analysed one sample for a trial on payment basis and found that the analytical results are up to the mark. NCCR is currently in the process buying the instrument and it may take another 4/5 months to install and operational. In the meantime, we have collected "microplastic" samples from the coastal waters, sediment and biota along the east coast of India and we need an urgent analysis for preparation of a Government report.

रा.स.प्रौ.सं. परिसर, वेलच्चेरी तांबरम मेन रोड, पल्लिकरणै, चेन्नै-600 100.

NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai, Chennai-600 100.

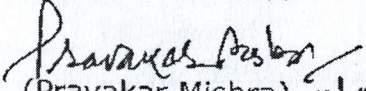
दूरभाष/Tel : 91-44-66783599 Fax: 66783487

Hence, keeping this as backdrop, I request you to permit us to analyse about 150 samples on payment basis at your centre. I will highly appreciate if your good offices kindly provide us a reasonable estimate for analysing 150 samples, the mode of payment, analysis slot availability and other details, if any.

I would like to inform that the raw samples have been processed and are kept in GF/F filter papers and we are interested to get the image and spectra analysis done. We are also interested to do the mapping of around 50 samples. If the instrument time is made available to us during this month, we would like to start analysing 50 samples, initially.

Thanking you,

Yours sincerely,


(Pravakar Mishra) 11/03/20

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-V,MME,RFF AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA

Ph No: 0471-2562831,3611,3577,332
 Fax: 0471-2562021
 Email: ps_lalukumar@vssc.gov.in

PURCHASE ORDER

PURCHASE ORDER No

6083 20180022300101 LO

Date: 20/08/2019

To:

M/s M/S.SATYABHAMA INSTITUTE OF SCIENCE AND
 TECHNOLOGY
 JEPPIAAR NAGAR, RAJIV GANDHI SALAI
 CHENNAI 600119
 INDIA Ph 000

Vendor Code
 M01909

Dear Sirs, Ref: Your tender No. Sathyabama/Nano/Consultancy/Mag.Sputtering/2018-19/024 dtd.20/11/18&mail dtd.07/08/19

Please arrange to supply the following at the rates offered by you / your agent vide tender as referred above in response to our Tender Enquiry No: 201800223001 Dated: 15/10/2018 subject to the terms and conditions set out here under and those mentioned in Annexure Form: ENCLOSED

S.No	DESCRIPTION	QUANTITY	UNIT	RATE Rs.	AMOUNT Rs.
1	Magnetron sputtering of metallic material on Titanium alloy substrates Note 1: The above price is inclusive of GST. All Tax invoices issued by you shall invariably bear your GST Registration No (GSTIN). In the absence of which, the invoices shall not be processed for payment. 2. Warranty : The Items should have a Warranty against any manufacturing defects or bad workmanship for a period of 12 months from the date of acceptance at our site. Warranty certificate duly signed and stamped shall be sent along with supply. 3. Payment : Payment shall be made on pro-rata basis after successful experimentation and analysis of samples. Completion Report shall be sent along with bill for payment. As a part of PFMS, Bank Account details must be shown in your Invoice for claiming payment. If PFMS Number is not available, please provide IFSC Code, Bank Details, Copy of Personalized cheque leaf in the name of the Purchase Vendor or NEFT Mandate form duly endorsed by the Bank of the Vendor. 4. The samples shall be positioned by our Engineers at your site and taken back after testing. 5. Time slot for the testing shall be intimated to us well in advance for	50	NOS.	2300.00	115000.00

Please acknowledge receipt immediately in the form sent herewith. If no reply is received within seven days from the date of receipt of this order by you, it will be deemed that this order has been accepted by you.

Yours faithfully,

LILLY P M

PURCHASE & STORES OFFICER

For and on behalf of the President of India
 (The Purchaser)

(R) ORIGINAL COPY

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-V,MME,RFF AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA

Ph No: 0471-2562831,3611,3577,382

Fax 0471-2562021

Email: ps_lalukumari@vssc.gov.in

PURCHASE ORDER**PURCHASE ORDER No****6083 20180022300101 LO**

Date: 20/08/2019

To:

M/s M/S.SATYABHAMA INSTITUTE OF SCIENCE AND
 TECHNOLOGY
 JEPPIAAR NAGAR, RAJIV GANDHI SALAI
 CHENNAI 600119
 INDIA Ph 000

Vendor Code
 M01909

positioning the material at your works.

6. FIM: The Department shall supply Metallic targets in the form of green compacts as FIM.

FIM costing Rs.1 Lakhs shall be issued against the submission of All Risk covering Insurance Policy (ARIP) immediately on receipt of PO and valid till completion and acceptance of supply.

The beneficiary of All Risk covering Insurance Policy shall be Director, VSSC.

7. Delivery Period : Within 2 months from the date of receipt of FIM.

8. Contact Person : Sri.Pravin Muneshwar / MPD, Ph.0471 256-2867 is the contact person for any technical clarification pertaining to this order.

9. LD CLAUSE : The time for and the date of completion of work stipulated in the PO shall be deemed to be the essence of the order and work must be completed not later than the date specified there in as otherwise

VSSC shall have the right to recover a sum @0.5% for each week or part of a week during which the completion of the work in whole or part remain incompleted subject to a maximum ceiling of 10% of order value.

(In words)Rs. One Lakh Fifteen Thousand Only

TOTAL Rs. 115000.00

Delivery Date / Completion Date : 12/09/2019 AS ABOVE

Delivery Terms: EX-WORKS

Delivery Place: CRS, VSSC, TRIVANDRUM

Port Of Despatch: NA

Port Of Entry: NA

Mode of Despatch: WILL BE COLLECTED BY US

Our Bankers: SBI THUMBA

Payment Terms: AS ABOVE

To (Consignee)
 SR. PUR. & STORES OFFICER
 CENTRAL STORES
 VSSC, ISRO PO
 TRIVANDRUM - 695022

Please acknowledge receipt immediately in the form sent herewith. If no reply is received within seven days from the date of receipt of this order by you, it will be deemed that this order has been accepted by you.

Yours faithfully,

LILLY P M

PURCHASE & STORES OFFICER

For and on behalf of the President of India
 (The Purchaser)

(R) ORIGINAL COPY

TERMS AND CONDITIONS FOR PURCHASE ORDER for indigenous stores items

1. Purchase Order Number must be quoted on all correspondence, Challans and Invoices.
2. The Order acknowledgement Card enclosed should be signed by the person who has signed the tender and sent immediately. If no reply is received within seven days from the date of receipt of this order from you, it will be deemed that this order has been accepted by you.
3. Bill should be submitted in triplicate to the Accounts Officer, 70 Acre Area, VSSC, ISRO Post – 695 022; Ph.0471 – 256 3534 / 3907.
4. Copy of a challan quoting our Purchase Order No. and copy of your bill indicating the Challan No. and date under which the delivery has been effected, should be sent to the purchaser.
5. Stores are to be delivered/dispatched to the consignee as per the instructions given overleaf, consigned to Sr.Purchase & Stores Officer, Central Stores, RFF Area, VSSC, ISRO Post – 695 022; Ph. 0471 – 256 3139 / 2563517
6. Local delivery shall be made only on working days and during working hours.
7. No stores will be accepted by the consignee unless delivery challans giving full details of Purchase Order number, date, description of stores, quantity, unit, gross weight, etc., are submitted with the stores. In the absence of any of the above, the consignee shall refuse to take delivery of the stores.
8. If the delivery of the stores covered by this Purchase Order is effected after the stipulated delivery period, the receipt of the stores will be without prejudice to Purchaser's rights.
9. A receipt for the packages only and not for the contents will be given at our stores. The suppliers are advised to properly seal the packages. Final receipt will be given by the stores subsequently.
10. State Bank of India, Thumba Branch – 695 022 are our bankers.
11. Documents relating to dispatches should be sent immediately by Registered post to the consignee, wherever applicable.
12. A copy of all correspondence made pertaining to this order should invariably be sent to the Purchaser/consignee, as the case may be.
13. The date of delivery of the stores stipulated in the Purchase Order is the essence of this Contract and your special attention is drawn to Clause No.4 of our enquiry in this connection.
14. The courts within the local limits of whose jurisdiction the place from which the Purchase Order issued is stipulated only shall have jurisdiction to deal with the decide any matter arising out of this Contract.
15. Bank Guarantee renewals towards Security Deposit / PBG / FIM should be made by the concerned bank only on a non-judicial stamp paper of Rs.200/- with reference to the earlier bank guarantee, and not merely through letter.
16. Packing: The packing of the goods shall be proper and adequate according to the nature of transport intended.
17. For any e-declaration form / transaction slip / Form No.8F; please contact : Purchase & Stores Officer, MME Stores, RFF Area, VSSC, ISRO Post – 695 022; Ph.0471 – 256 3569 / 256 3556/ e-mail : laly@vssc.gov.in ; tv_asokan@vssc.gov.in
18. **GST NO.** Our Goods & Service Tax (GST) Registration No.32AAAGV002631ZL.
19. **GSTIN & HSN Code:** Vendors registered under GST shall mention their GSTIN & HSN code wherever necessary as per GST Law.
20. You shall furnish Order Acknowledgement within 7 days of receipt of Order.

Form No. DOS:PM:26

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT - V
RFF AREA, ISRO P.O.
THIRUVANANTHAPURAM - 695 022

Tele. No: 0471 - 256 2831 / 3327 / 3577

Fax No: 0471 - 256 2021

E-Mail ID: spso_mme@vssc.gov.in

ACKNOWLEDGEMENT / ORDER ACCEPTANCE

(This form should be signed and returned by the supplier / tenderer / Contractor to the Purchase & Stores Officer, Government of India, Department of Space, Vikram Sarabhai Space Centre, Purchase Unit - V, RFF Area, ISRO P.O., Thiruvananthapuram - 695 022.)

From:

.....
.....
.....
.....

(Name & Address of the supplier)

To:

Smt. Lilly P. M.
Purchase & Stores Officer
Government of India
Department of Space
Vikram Sarabhai Space Centre
Purchase Unit - V
RFF Area, ISRO P.O.
Thiruvananthapuram - 695 022

Subject: P.O. No. 6083 2018 002230 0101 dated 20/08/2019

The supply of Stores / Plant / Machinery / Service will be taken in hand in terms of the subject Purchase Order and supply will be made within the delivery period stipulated.

Date of receipt of the PO:

Signature of the Supplier
(with official seal and date)

WABCO**WABCO INDIA LIMITED**

Plant I, Plot No.3 (SP) III Main Road, Ambattur Industrial Estate,
Chennai - 600 058. India. Telephone : (91) 44-30902600, 42242000
Fax : (91) 44-26241287, 30902609.

2019-2020

PURCHASE ORDER - INDIRECT MATERIALS

To
Sathyabama institute of scienc
jeppiaar nagar,Rajiv gandhi road

chennai
600119

WABCO INDIA LIMITED-Ambattur

PR Number : 14032690
Supplier Code : 163320
PO Number : 4900019643
PO Date : 26.10.2018
Supp Ref :
PO Status : B007
Page Number : 1 to 4

Please carryout the under mentioned goods to our works subject to conditions mentioned below and overleaf

Itm No.	Part Number	Description	Qty	UOM	Cur	Unit Rate	Item Value	Total Value
10		FESEM Analysis	1.000	AU	INR	17,250.00	17,250.00	17,250.00
SGST%: 0.00 CGST%: 0.00 IGST%: 0.00 HSN/SAC Code:								
Delivery Date: 30.01.2019								

Total Purchase Order value w/o GST (Rs.): 17,250.00
Total Purchase Order value with GST (Rs.): 17,250.00

Mode of Dispatch:

Payment Terms: On completion of the Job

PLEASE ENSURE

- a.) ONE DC/INVOICE FOR EACH LINE ITEM
- b.) THE DC NUMBER AND THE INVOICE NUMBER REMAIN THE SAME

It is a computer generated Purchase order copy and does not require stamp or signature.

GST No: 33AAFC6421P1ZK
PAN: AAFC6421P

- 1. GST will be paid only on production of Original copy of GST invoice.
- 2. Supplies must be accompanied by GST Invoice stating Supplier Code and PO. number and GST Number.

Non-Disclosure & Confidentiality Agreement

This Agreement is entered into on 26/11/2018 ("Effective Date") between Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119 (hereinafter called "SUPPLIER") and WABCO INDIA LIMITED (company number:) with its registered office at Plot No 3 (SP), Third Main Road, Ambattur Industrial Estate, Chennai-600058, Tamil Nadu, India (hereinafter called "WABCO")

PREAMBLE

WHEREAS the parties to this Agreement ("the Parties") desire to evaluate the opportunities of a business cooperation regarding **Sample Testing and Charaterization**,

it is agreed that the Parties will exchange information of a confidential and proprietary nature relating to the products, capabilities and commercial operations of the Parties.

NOW IT IS HEREBY AGREED between the Parties as follows:

1. For the purpose of this Agreement:

- (a) "Proprietary Information" shall mean all technical information, samples, documents, ideas, know-how, trade and commercial and other information supplied or made accessible by one Party or an affiliated company of this Party to the other Party in pursuance of this Agreement for the purpose referred to in the preamble to this Agreement, whether disclosed orally, in documentary form, by demonstration or otherwise;
- (b) "Proper Use" shall mean use of the Proprietary Information solely for the purpose stated in the preamble to this Agreement;
- (c) "Disclosing Party" means the Party or an affiliated company of this Party furnishing Proprietary Information and "Recipient" means the Party receiving it in the particular case.

2. Recipient agrees

- (a) to treat Proprietary Information as confidential;
- (b) to keep Proprietary Information in safe custody;
- (c) not to use Proprietary Information except for Proper Use, in particular, not to use Proprietary Information for its own or for foreign purposes;
- (d) not to disclose Proprietary Information to any person who is not directly concerned in its Proper Use; and
- (e) not to disclose Proprietary Information to any third party without the Disclosing Party's prior written consent.

In protecting the Proprietary Information the Recipient shall as a minimum standard take such precautions and make such arrangements as the Recipient would take and make with regard to the Recipient's own confidential information and shall use its best efforts to prevent unauthorized persons from gaining access to the Proprietary Information. The Recipient will inform such of the Recipient's employees as are concerned in its Proper Use of the confidential nature of the Proprietary Information, will prohibit them from taking copies of any of it except as may reasonably be required for Proper Use and, subject to Paragraph 5, except for one archival copy and will, at its own expense, enforce the obligations of confidentiality in relation to its employees.

3. This Agreement does not apply to any of the Proprietary Information which the Recipient can prove:

- (a) is already known to the Recipient at the date it was disclosed by the Disclosing Party; or
- (b) is disclosed to the Recipient without restrictions on use or disclosure by a third party whose direct or indirect source is not the Disclosing Party; or
- (c) is or becomes generally known or freely available to the public other than through a breach by the Recipient of its obligations hereunder; or
- (d) is independently developed by the Recipient,

provided that, if only a portion of the Proprietary Information falls within any one of these exemptions, the remainder shall continue to be subject to this Agreement.

4. Notwithstanding the aforementioned provisions, the Parties are entitled to disclose, on a need-to-know basis, all Proprietary Information received under this Agreement to their affiliated companies, provided that such companies are bound to secrecy in accordance with this Agreement.

5. All Proprietary Information disclosed under this Agreement shall remain the property of the Disclosing Party and may be recalled by the Disclosing Party at any time. Upon receipt of a written request from the Disclosing Party for return of such Proprietary Information, the Recipient shall promptly either

(a) destroy and certify to the Disclosing Party the destruction of or

(b) return to the Disclosing Party

all of the Disclosing Party's Proprietary Information disclosed to the Recipient under this Agreement, including but not limited to all copies, reproductions, summaries, analyses or extracts of the Proprietary Information or based thereon. However, the Recipient may retain one archival copy of any Proprietary Information returned or destroyed under this Agreement in the files of its lawyers or legal department for dispute resolution purposes only.

6. The knowledge of patentable Proprietary Information of the Disclosing Party does not constitute a right of prior use. The Recipient will not, without the Disclosing Party's prior written consent, apply for any intellectual property (e.g. patent, design) registration in respect of the Proprietary Information or any invention or design contained therein or based thereon, except in respect of any excepted Proprietary Information referred to in paragraph 3 above.
7. This Agreement does not constitute any duty of disclosure of information between the Parties.
8. Neither the execution of this Agreement nor the furnishing of any information under this Agreement shall be construed as granting either Party, either expressly or by implication, estoppel or otherwise, any license under or title to any Proprietary Information, or any invention, design, patent, copyright, or other form of intellectual property now or hereafter owned or controlled by the other Party.
9. The Disclosing Party warrants that it has the right to make the disclosures contemplated by this Agreement. No other warranties are made by either Party. All information exchanged hereunder is provided "as is." It is further understood and agreed that the disclosure of Proprietary Information hereunder is subject to all of the required and continuing Government approvals, clearances, regulations, and export licenses, where applicable.

10. It is agreed that the existence of this Agreement, its contents and the intended cooperation referred to in the preamble to this Agreement shall not be disclosed to any third party without the prior written consent of the Parties. Paragraphs 3 and 4 apply accordingly.
11. This Agreement shall come into force upon the Effective Date and shall terminate seven (7) years from that date. Its terms are also valid for all Proprietary Information exchanged prior to the Effective Date hereof. Furthermore, subject to the exemptions as defined in Paragraph 3 above, all Proprietary Information shall be treated according to the terms of this Agreement for a period of two (2) years after the expiration of this Agreement.
12. If the Recipient is ordered by any court or governmental agency or authority to disclose any of the Proprietary Information, then the Recipient shall give the Disclosing Party prompt written notice of such order. The Disclosing Party may then seek appropriate protective relief from all or part of such order and/or may authorize the Recipient to disclose Proprietary Information to such court or agency or authority as required by all or part of such order. If, after a reasonable period, the Disclosing Party fails to obtain such relief, and, in the opinion of the Recipient's counsel, the Recipient is legally compelled to disclose Proprietary Information pursuant to such order, then the Recipient may disclose that portion of the Proprietary Information which the Recipient's counsel determines it is compelled to disclose.
13. This Agreement is the entire agreement between the Parties and supersedes all other agreements and understandings relating to its subject matter. This Agreement may be amended only by a written amendment duly executed by the Parties.
14. This Agreement is governed by the laws of India. The place of jurisdiction for all disputes arising in connection with this Agreement shall be Chennai, India.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representatives with the intent to be legally bound as of the Effective Date specified above, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged.

Supplier

WABCO INDIA LIMITED

Sathyabama Institute of Science and Technology,
Chennai – 119.

Date: 26/11/2018

Signature

.....
Date

.....
Signature

Dr.T.Sasipraba
Name

.....
Name

Pro Vice Chancellor
Title

.....
Title





Purchase Order

PO Number	00007109	Date	08/11/2019
Prepared By	Venkaresh Janamatti	Contact Name	Venkaresh Janamatti
Email	venkaresh@ducom.com	Contact Address	477/A 4th Phase, Peenya Industrial Area, Bangalore 560058, Karnataka, IN

Address Information

Supplier Name	Sathyabama Institute Of Science And Technology-Chennai	Ship To Name	Ducom Instruments, Bangalore
Bill To	477/A 4th Phase, Peenya Industrial Area, Bangalore 560058, Karnataka, IN	Ship To	477/A 4th Phase, Peenya Industrial Area, Bangalore 560058, Karnataka, IN

Items description

Type of Analysis	Quantity	Sample Specifications	Charges per Sample	Total Charges
Tribology testing of automobile engine components under liquid environment	50 Samples	Bearing Steel – 20 Nos. 52100 SS – 30 Nos. Dimensions: 20 x 20 x 5 mm Roughness: 0.12 µm	INR 2369.00	INR 118450.00

Shipping	--	--	INR 0.00	INR 0.00
----------	----	----	----------	----------

Total				INR 118450.00
-------	--	--	--	---------------

Amount in words (Rupees One Lakh Eighteen Thousand Four Hundred and Fifty Only)

General Terms

Payment Terms Payment shall be made after receipt of invoice for a minimum of 15 samples tested.

Payment Payment will be made by cheque/wire transfer.

Authorized Signatory



Common Seal



SUCCESS

Sathyabama Ins...

482965061@IDIB000S201.ifsc.npci

₹4148.00

DETAILS OF TRANSACTION

TRANSACTION ID 812309532540

DATE 3 May 2018

TIME 09:02:29

REMARKS FLSMIDTH EDX ANALYSIS

If you have any concerns with the payment click the button below to raise a support ticket.



Global Procurement

FN00034298: (FN00034298) POCONV-4900034298RASOKE

Version Number : 1
Internal Version : false
Issued on : 4-Oct-2018
Created on : 4-Oct-2018 by RASOKKIYAM, ELAYARAJA

Supplier:
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
JEPPIAR NAGAR RAJIV GANDHI SALAI
CHENNAI
600119
India

Ship To:
Pfizer Healthcare India Pvt. Ltd. (Formerly
Hospira Healthcare India Pvt.
Survey No. 476/14, Old Mahabalipuram
Road,
Chennai, INDIA
600119
India

Bill To:
Pfizer Healthcare India Pvt. Ltd. (Formerly
Hospira Healthcare India Pvt.
Accounts Payable, Sri-Nivas, New No. 86
(Old No. 89),
Chennai, INDIA
600017
India

Deliver To:
RASOKKIYAM, ELAYARAJA

GL Account:
General Ledger Name: PROF & CONSULTING-
OUTSIDE LAB SERVICE (912)
ID: 0041140000
Cost Center:
Cost Center Name: SH-CRD LAB 2
ID: 0002668613
Project/WBS:
Asset Number:
Internal Order:

Item	Description	Part Number	Unit	Qty	Need By	Unit Price	Extended Amount
1	ATOMIC FORCE MICROSCOPY,AFM,ANALYSIS		Service Unit	1	10-Oct-2018	133,300.00 INR	133,300.00 INR
	ATOMIC FORCE MICROSCOPY,AFM,ANALYSIS						

Requester: RASOKKIYAM, ELAYARAJA
Form:
PR No.: EP3232143
Building:
Room Number:
Extension: 0
PR No.: PR6127227
Deliver To: RASOKKIYAM, ELAYARAJA
Ship Via: H1
Shipping Terms: Delivered At Place
Is this an HCP line?:
Name:
Name:
Contract/Reference Number:

Total 133,300.00 INR

Comments

- COMMENT by on 05/10/2018

This PO is a converted purchase order from Hospira SAP System to Pfizer SAP-Ariba System. Only the open balance on the PO has been converted so for previous invoice transactions please refer to Hospira SAP ASL Approval requirements met in Hospira SAP. If you have already fulfilled delivery of this purchase order do not re-deliver and DO NOT DUPLICATE THIS PURCHASE ORDER IN YOUR SYSTEMS (RASOKKIYAM, ELAYARAJA, 5-Oct-2018)

Standard PO Notes:

भारत सरकार
अंतरिक्ष विभाग (अं.वि.)
विक्रम साराभाई अन्तरिक्ष केन्द्र
तिरुवनन्तपुरम -695022
क्रय एवं भंडार



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE (DOS)
VIKRAM SARABHAI SPACE CENTRE
THIRUVANANTHAPURAM 695022
PURCHASE UNIT-V,MME,RFF AREA
Ph No. 0471-2562831,3611,3577,3327 Fax. 0471-2562021
e-mail :ps_lalukumari@vssc.gov.in

2018-19

निविदा आमंत्रण
INVITATION TO TENDER

मैसर्स
M/s

S03497

SATHYABAMA UNIVERSITY OF SCIENCE AND
TECHNOLOGY

DR. T. SASIPRABHA, PRO VICE CHANCELOR,
SHOLINGANALLUR

CHENNAI 600119

INDIA

Ph. 0 Fax.

हमारी संदर्भ सं

Our Ref. No. 6087 2018-001267-01

निविदा अंतिम तिथि

Tender Due at 14:00 hrs IST on 21/08/2018

महोदय

Dear Sirs,

कृपया निम्नलिखित मदों की आपूर्ति के लिए अनुलग्नक (फार्म सं. संलग्न) में उल्लिखित निबंधन एवं शर्तों के अनुसार संलग्न निविदा प्रपत्र में वर्णनात्मक सूचीपत्र/पैम्फलेट/साहित्य सहित हमारी संदर्भ सं. एवं अंतिम तिथि (मोटे अक्षरों में) ऊपर लिखते हुए अपनी मुहरबंद निविदा प्रस्तुत करें।

Please submit your sealed quotation , in the Tender Form enclosed here along with the descriptive catalogues /pamphlets /literature ,superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No. DOS:PM:19)

क्र.सं. Sl. No.	विनिर्देशों सहित मद का विवरण Description of items with Specifications	इकाई Unit	मात्रा Quantity
1	XRD OF SAMPLES (As per Annexure-1)	1	300

Delivery At VSSC, TRIVANDRUM

सुपुर्दगी स्थल

Mode of Despatch -

प्रेषण की विधि

शुल्क छूट

Duty Exemptions

विशेष अनुदेश

Special Instructions NIL

विशेष निबंधन

Specific Terms DOS:PM:19

निविदाकारों को अनुदेश

Instructions to Tenderers

R

LILLY P M

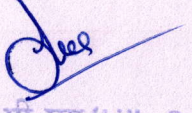
PURCHASE & STORES OFFICER
भारत के राष्ट्रपति के लिए एवं ओर से
For and on behalf of the President of India
क्रेता / The Purchaser

Annexure-1

XRD

- 1) The samples will be provided for characterization in batches by VSSC personnel at the lab.
- 2) After the analysis, the plots must be printed and given to the VSSC personnel.
- 3) The samples will be taken back by VSSC personnel after analysis.
- 4) The soft copy of XRD data should also be provided to VSSC personnel.
- 5) The party has no claim over the results of analysis.
- 6) The purchase order validity should be for minimum one year.

Note: Samples for XRD cost RS.500/- (300gms)
will be provided OF FIM by VSSC.


लिल्ली पी एम/Lilly P. M.
क्रय एवं भंडार अधिकारी
Purchase & Stores Officer

COMPLIANCE MATRIX FOR COMMERCIAL TERMS
To be filled and furnished along with your quote compulsorily

Sl. No.	Description (Commercial terms & conditions)	Compliance to Col. (2) [YES/NO]	If 'NO' Specify deviations explicitly	Remarks
(1)	(2)	(3)	(4)	(5)
1.	P & F charges, if any, please mention percentage/amount in Col.5.			
2.	Rate of GST (If applicable)			
3.	Installation Charges, if any, (Please mention the percentage / amount in Col.5).			
4.	Delivery Term :- - FOR VSSC - In case of Foreign orders, FOB or FCA			
5.	Freight charges, if any. If 'YES' please mention the percentage / amount in Col.5.			
6.	Delivery Period (Please mention in Col.5)			
7.	Payment Term :- (a) 100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site. Please note that advance payment shall be entertained only against submission of Bank Guarantee from a Scheduled Bank for equal value of advance valid till the completion of supply / acceptance plus three months claim period. (b) In case of foreign orders, Payment term shall be SIGHT DRAFT.			
8.	Liquidated Damages (LD) :- Since delivery is the essence of this order, LD @ 0.5% per week or part thereof subject to a maximum of 10% of the order value for the delayed period of supply.			

Sl. No.	Description (Commercial terms & conditions)	Compliance to Col. (2) [YES/NO]	If 'NO' Specify deviations explicitly	Remarks
(1)	(2)	(3)	(4)	(5)
15-a	Foreign Principal's pro-forma invoice indicating the commission payable to the Indian Agent and nature of after sales service to be rendered by the Indian Agent.			
15-b	Copy of Agency agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business.			
15-c	The enlistment of the Indian Agent with Director-General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.			
16	Purchase/Preference to MSEs Purchase/Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small & Medium Enterprises Development Act 2006. Necessary authenticated documentary evidences shall be submitted along with your offer. MSEs will be exempted from submission of EMD.			
17	The Tenders submitted by you shall be compulsorily signed and unsigned tenders will be summarily excluded from the procurement process			
18	Bank Guarantee for FIM being positioned by the Department wherever applicable			

Note: In case you are NOT complying to Sl. Nos. 8, 9, 10, 11 & 18 your offer will NOT be considered.

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE

**VIKRAM SARABHAI SPACE CENTRE
MME PURCHASE, UNIT - V,
THIRUVANANTHAPURAM-695 022**

Tel. No. 0471 2562831

Fax No. : 0471 2562021

Email : n_suresh@vssc.gov.in

TERMS AND CONDITIONS OF TENDER

1. Quotation should be sent in a sealed envelope superscribing the enquiry number and date of opening.
2. Price quoted should be on the basis of **FOR VSSC/ Delivery/ at site**. The Purchaser will not pay separately for transit insurance, and the risk and cost during transit shall be exclusively the responsibility of the Contractor and the purchaser shall pay only for such stores as are actually received in good condition in accordance with the Contract.
3. **Quotation should be valid for at least 90 days from the date of opening of the tender.**
4. The time for and the date of delivery of the stores stipulated in the Purchase Order shall be deemed to be the essence of the Contract and delivery must be completed not later than the date specified therein, and failure to do so, without adequate justification, may involve cancellation of the Contract at the discretion of the Purchaser.
5. (a) Prices are required to be quoted according to the units indicated in the annexed tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two systems of unit must be furnished. (b) Corrections, if any, in the quotation must be attested. All amounts shall be indicated both in words as well as in figures. When there is difference between the amount quoted in words and figures, the amount quoted in words shall prevail.
6. The Purchaser reserves the right to accept or reject any quotation fully or partly without assigning any reason therefore.
7. Payment terms are full payment within 30 days from the date of receipt and acceptance of material ordered. Our Bankers are **State Bank of India, Thumba Branch, Thiruvananthapuram 695 022**
8. Late Tenders will not be considered.
9. Where counter terms and conditions/printed or cyclostyled conditions of sale have been offered by the tenderers, the same shall not be deemed to have been accepted by the Purchaser unless the Purchaser's specific written acceptance thereof is obtained.
10. Specifications: Stores offered should strictly conform to Purchaser's specifications. Deviations, if any, shall be clearly indicated by the tenderer in his quotation. The tenderer should also indicate the Make/ Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary, along with the quotation. Test certificate, wherever necessary, should be forwarded along with supplies. Wherever options are called for in our specifications, the tenderer should address all such options, wherever specifically mentioned by us, and the tenderer could suggest changes to specifications with appropriate response for the same. Even in such case, the tenderer should state why he cannot meet our specification/s and why he is suggesting the change.
11. Sales Tax and/or other duties/levies, where legally leviable and intended to be claimed, should be distinctly shown separately in the tender
12. Guarantee: The stores offered should be guaranteed for a minimum period of twelve months against defective stores design, operation or manufacture. For defects noticed during the guarantee period, replacement/repair should be arranged free of cost within a reasonable period of such notification. In cases where our specifications call for a guarantee period more than 12 months specifically, then such a period shall apply.

2018

**GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-V,MME,RFF AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA**

Ph No: 0471-2562831,3611,3577,3327
Fax 0471-2562021
Email: ps_lalukumari@vssc.gov.in

Date :23/10/2018

INVITATION TO TENDER

M/s

S03497

Our Ref No : 6083 2018-002230-01

Tender Due: 14:00 Hrs ISTon 27/11/2018

**SATHYABAMA UNIVERSITY OF SCIENCE AND
TECHNOLOGY
DR. T. SASIPRABHA, PRO VICE CHANCELOR,
SHOLIMGANALLUR
CHENNAI 600119
INDIA
Ph: 0 Fx:**

27-11-2018

Dear Sirs,

Please submit your sealed quotation , in the Tender Form enclosed here along with the descriptive catalogues / pamphlets /literature ,superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No: DOS:PM:19)

S.No.	Description of Items with Specifications	Unit	Quantity
1	Magnetron sputtering of metallic materials on Titanium alloy substrates (i) Metallic targets in the form of green compacts will be supplied by VSSC (ii) Size of targets not exceeding 50mm dia x 4mm thickness	NOS	50

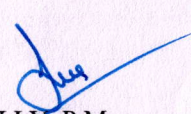
DELIVERY AT: VSSC, TRIVANDRUM

MODE OF DESPATCH -

DUTY EXEMPTIONS

SPECIAL INSTRUCTIONS NIL

SPECIFIC TERMS DOS:PM:19


LILLY P M
PURCHASE & STORES OFFICER
For and on behalf of the President of India
The Purchaser

COMPLIANCE MATRIX FOR COMMERCIAL TERMS
To be filled and furnished along with your quote compulsorily

Sl. No.	Description (Commercial terms & conditions)	Compliance to Col. (2) [YES/NO]	If 'NO' Specify deviations explicitly	Remarks
(1)	(2)	(3)	(4)	(5)
1.	P & F charges, if any, please mention percentage/amount in Col.5.			
2.	Rate of GST (If applicable)			
3.	Installation Charges, if any, (Please mention the percentage / amount in Col.5).			
4.	Delivery Term :- - FOR VSSC - In case of Foreign orders, FOB or FCA			
5.	Freight charges, if any. If 'YES' please mention the percentage / amount in Col.5.			
6.	Delivery Period (Please mention in Col.5)			
7.	Payment Term :- (a) 100% payment shall be made through RTGS within 30 days of receipt and acceptance of the item at our site. Please note that advance payment shall be entertained only against submission of Bank Guarantee from a Scheduled Bank for equal value of advance valid till the completion of supply / acceptance plus three months claim period. (b) In case of foreign orders, Payment term shall be SIGHT DRAFT.			
8.	Liquidated Damages (LD) :- Since delivery is the essence of this order, LD @ 0.5% per week or part thereof subject to a maximum of 10% of the order value for the delayed period of supply.			

Sl. No.	Description (Commercial terms & conditions)	Compliance to Col. (2) [YES/NO]	If 'NO' Specify deviations explicitly	Remarks
(1)	(2)	(3)	(4)	(5)
15-a	Foreign Principal's pro-forma invoice indicating the commission payable to the Indian Agent and nature of after sales service to be rendered by the Indian Agent.			
15-b	Copy of Agency agreement with the Foreign Principal, precise relationship between them and their mutual interest in the business.			
15-c	The enlistment of the Indian Agent with Director-General of Supplies & Disposals under the Compulsory Registration Scheme of Ministry of Finance.			
16	Purchase/Preference to MSEs Purchase/Price Preference shall be extended to the MSEs under the Public Procurement Policy for MSEs formulated under the Micro, Small & Medium Enterprises Development Act 2006. Necessary authenticated documentary evidences shall be submitted along with your offer. MSEs will be exempted from submission of EMD.			
17	The Tenders submitted by you shall be compulsorily signed and unsigned tenders will be summarily excluded from the procurement process			
18	Bank Guarantee for FIM being positioned by the Department wherever applicable Fim Cost . Rs. 1 Lakh			

Note: In case you are NOT complying to Sl. Nos. 8, 9, 10, 11 & 18 your offer will NOT be considered.

MTS METALLURGICAL TESTING SERVICES

AN ISO 15189:2013 METALLURGY AND CORROSION TEST LABORATORY
SPECIALIST IN METALLOGRAPHY, CORROSION TESTS AND FAILURE ANALYSIS
37/8, Third Cross Street, Lakshmi Nagar, Porur, Chennai - 600 116. Tel: +91 44 2476 5673, +91 44 4363 6661
GSM: +91 95417 06566 / 98416 08354 | E-mail: info@mts-india.in | Website: www.mts-india.in

PURCHASE ORDER

Supplier Name : SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (Deemed to be University), Accredited with 'A' Grade by NAAC Jeppiaar Nagar, Rajiv Gandhi Road, Chennai- 600119 Tamilnadu, INDIA. Kind Attn. : Phone No: +91 -044-24503065	PO No	192010
	Date	13.11.2019
	Our Reference	Your quotation through mail dated 09.04.2019
	Contact Person	S. Sivasubramanian, CEO

Purchase of services under subcontracting arrangements:

S.No	Name of the Item	Quantity	Rate per Quantity in INR	Amount in INR
1	FESEM with EDAX	50 samples	2100	105000
Net Amount (One Lakh Five Thousand Rupees Only)				105000

Terms and conditions:

1. Payment shall be made after receipt of invoice for a minimum of 10 samples tested.
2. Payment will be made by cheque/ Wire transfer as per the following details:

NAME OF THE ACCOUNT HOLDER	Sathyabama Institute of Science & Technology
ACCOUNT NUMBER	482965061
NAME OF THE BANK AND BRANCH NAME & ADDRESS	Indian Bank, Institute of Science & Technology Branch, Jeppiaar Nagar, Chennai-600 119.
IFSC NO.	IDIB 0005 201

Verified By: _____

Date: 13/11/19



Approved by (CEO): _____

Date: 13.11.2019

Issue No: 01	Issue Date: 26-08-2015	Rev: 01	Rev Date: 15-07-2017
Page No: 1 of 1	Prepared by:	Approved by:	MTS / MLF / LPO

PURCHASE ORDER

Supplier Name : SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY (Deemed to be University), Accredited with 'A' Grade by NAAC Jeppiaar Nagar, Rajiv Gandhi Road, Chennai- 600119 Tamilnadu, INDIA. Kind Attn. : Phone No: +91 -044-24503065	PO No	192010
	Date	13.11.2019
	Our Reference	Your quotation through mail dated 09.04.2019
	Contact Person	S. Sivasubramanian, CEO

Purchase of services under subcontracting arrangements:

S.No	Name of the Item	Quantity	Rate per Quantity in INR	Amount in INR
1	FESEM with EDAX	50 samples	2100	105000
Net Amount (One Lakh Five Thousand Rupees Only)				105000

Terms and conditions:

1. Payment shall be made after receipt of invoice for a minimum of 10 samples tested.
2. Payment will be made by cheque/ Wire transfer as per the following details:

NAME OF THE ACCOUNT HOLDER	Sathyabama Institute of Science & Technology
ACCOUNT NUMBER	482965061
NAME OF THE BANK AND BRANCH NAME & ADDRESS	Indian Bank, Institute of Science & Technology Branch, Jeppiaar Nagar, Chennai-600 119.
IFSC NO.	IDIB 0005 201

Verified By: _____

Date: 12/11/19



Approved by (CEO): _____

Date: 13.11.2019



-----Ramachandran <ramnaami@gmail.com> wrote: -----
 To: Sridhar Jayakrishnan@apolloyres.com
 From: Ramachandran <ramnaami@gmail.com>
 Date: 02/18/2017 12:51PM
 Subject: Re: Quote for SEM & AFM

Dear Sir,

As we discussed over phone regarding analysis of your sample by AFM and FESEM with EDX.

Sample size should be 1X1 cm and thickness must be less than 5mm, sample should be flat and absolutely moist free. If you could bring or send me an image the sample, it will be easy to analyze by AFM.

The quote for Analysis

AFM analysis for 5 sample - 5X3000 = 15000 rs

FESEM with EDX 2 sample - 2X3000 = 6000 rs

Thank you.

On Sat, Feb 18, 2017 at 11:34 AM, CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY Chennai <centrefornanoscience@gmail.com> wrote:

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

From: <Sridhar Jayakrishnan@apolloyres.com>

Date: Fri, Feb 17, 2017 at 2:10 PM

Subject: Re: Quote for SEM & AFM

To: info@centrefornanotechnology.com, centrefornanoscience@gmail.com

Cc: Samson David@apolloyres.com

Hi,

As discussed today, please reply to the queries.

Thanks & Regards

Sridhar Jayakrishnan

Scientist -Advanced Engineering

Global R&D Centre- Asia

M: +91 -991300 8560 | T: +91-44-37106282 | Email: sridhar.jayakrishnan@apolloyres.com

Apollo tyres Ltd. B-25, Sipcot Indi Growth Centre Oragadam,

Sriperumbudur-602105, Tamilnadu, India



-----Samson David/ATR/CVRD/ATL wrote: -----

To: info@centrefornanotechnology.com, centrefornanoscience@gmail.com

From: Samson David/ATR/CVRD/ATL

Date: 02/09/2017 09:56AM

Cc: Sridhar Jayakrishnan/ATR/CVRD/ATL@ATL, Madhuchhanda Maiti/AEC/R&D/ATL@ATL

Subject: Re: Quote for SEM & AFM

Hi Team,

Kindly let us know the feasibility of testing and tariff for SEM (mention the magnification range) and AFM for rubber vulcanizates.

Thank you

Best Regards

Samson David

-----Samson David/ATR/CVRD/ATL wrote: -----

To: info@centrefornanotechnology.com

From: Samson David/ATR/CVRD/ATL

Date: 02/03/2017 12:37PM

Cc: Sridhar Jayakrishnan/ATR/CVRD/ATL@ATL, Madhuchhanda Maiti/AEC/R&D/ATL@ATL

Subject: Re: Quote for SEM & AFM

Hi

Greetings from Apollo Tyres!

Here I'm writing to inquire regarding the SEM testing for rubber compound*. I'm interested to test the polymer-filler morphology imaging through SEM.

I've visited the website and found that high resolution SEM is available at your facility; kindly assist me to know the below queries. Also let me know is there EDAX facility along the SEM.

1. Testing charges per sample?
2. *Rubber compound - Green compound
3. Resolution selection for best image results - Any charges for the selection of appropriate resolution in SEM? (Approximate resolution needed - 4K x - 1L x magnification, 10+ kV)
4. Approximate queue and turn around time to deliver the results.
5. Possibility of our representative during the test event.
6. Test booking and payment modes?

Thank you

Best regards
Samson David
[+91-9974958394](tel:+91-9974958394)

-----Samson David/ATR/CVRD/ATL wrote: -----

To: info@centrefor nanotechnology.com
From: Samson David/ATR/CVRD/ATL
Date: 01/30/2017 09:47AM
Cc: Sridhar Jayakrishnan/ATR/CVRD/ATL@ATL, Madhuchhanda Maiti/AEC/R&D/ATL@ATL
Subject: Re: Quote for SEM & AFM

Hi,

Kindly let us know.

We appreciate, if you can share your direct contact details for testing inquiry.

Thank you

Best Regards
Samson David

-----Samson David/ATR/CVRD/ATL wrote: -----

To: info@centrefor nanotechnology.com
From: Samson David/ATR/CVRD/ATL
Date: 01/19/2017 10:10AM
Cc: Sridhar Jayakrishnan/ATR/CVRD/ATL@ATL, Madhuchhanda Maiti/AEC/R&D/ATL@ATL
Subject: Re: Quote for SEM & AFM

Hi Team,

Kindly let us know the feasibility of testing and tariff for SEM (@4000x and above) and AFM for rubber vulcanizates.

Thank you

Best Regards
Samson David
[+91 99749-58394](tel:+91-99749-58394)

-----Sridhar Jayakrishnan/ATR/CVRD/ATL wrote: -----

To: info@centrefor nanotechnology.com
From: Sridhar Jayakrishnan/ATR/CVRD/ATL
Date: 01/16/2017 03:45PM
Cc: Samson David/ATR/CVRD/ATL@ATL
Subject: Quote for SEM & AFM

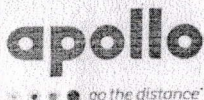
Hi,

Greetings from Apollo Tyres.

Please send the quote for testing vulcanised rubber compounds (10Nos) in SEM & AFM.

Thanks & Regards

Sridhar Jayakrishnan
Scientist -Advanced Engineering
Global R&D Centre- Asia
M: +91 -991300 8560 | T: +91-44-37106282 | Email: sridhar.jayakrishnan@apolloytyres.com
Apollo tyres Ltd. B-25, Sipcot Indl Growth Centre Oragadam,
Sriperumbudur-602105, Tamilnadu, India



CIN: L25111KL1972PLC002449

Registered Office: Apollo Tyres Ltd, 3rd Floor, Areekal Mansion, Panampilly Nagar, Kochi 682036, India

Disclaimer:

The information contained in this e-mail is intended solely for the use of the individual or entity to whom it is addressed. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or action in reliance on the contents of this information is strictly prohibited and may be unlawful and request you to delete this message and inform the sender by return e-mail. The confidentiality of this message is not warranted. Apollo Tyres and its subsidiaries shall not be liable for any and every liability resulting from this or any other electronic transmission.

Regards

D Ramachandran
Scientist - C
Centre for Nanoscience and Nanotechnology.



CORPORATE OFFICE :
'APOLLO HOUSE' 7, INSTITUTIONAL AREA,
SECTOR - 32, GURGAON - 122 001.
REGISTERED OFFICE :
3rd FLOOR, AREEKAL MANSION,
PANAMPILLY NAGAR, KOCHI - 682036

PURCHASE OFFICE :

PLOT No. : B-25, SIPCOT INDUSTRIAL
GROWTH CENTRE, ORAGADAM AND
MATHUR VILLAGE, SINGAPERUMALKOIL
SRIPERUMBUDUR - STATE HIGHWAY,
TALUK SRIPERUMBUDUR - 602 105.
TAMILNADU, INDIA.
PH.: 044 - 37182041

MANUFACTURING PLANTS :

1. Near Chalakud Distt.: Trichur, Perambra - 680689, Kerala.
PH.: +91-480-2725901, FAX: 2725920
2. Dist. Eranakulam, Kalamassary-683104 (Kerala)
PH.: +91-484-2540263, FAX: 2532961
3. Village Limda, Taluka Waghodia, Dist. Vadodara-391760 Gujarat
PH.: +91-2668-262580, FAX: 262588
4. Plot No. B-25, SIPCOT Industrial Growth Center - Sriperumbudur State Highway, Taluk Sriperumbudur-602 105, Tamilnadu - India.
5. Khasra No. 24/21/2, 22/1, 22/2/1, 22/2/2, Village Janti Khurd, Taipur Palia Road, Kundli, Distt Sonapat Haryana-131 028. PH.: 011-32450122, 32446303

3024659

Sathyabama University
Jeppiaar Nagar, Rajiv Gandhi Road,
Chennai 600119
Chennai
600119-Tamil Nadu
Kind Attn :

SERVICE ORDER

Your Ref: As per your offer
Our Ref : PR 6000001562

Service Order No. : 2600108893

Date : 19.04.2017
Valid From : 19.04.2017
Valid To : 31.05.2017

We are pleased to award you the order for the following services on the terms and conditions mentioned here under:

SL NO.	Service Number	Service Description	Unit	Quantity	Rate (INR)	Amount (INR)
1	00010	SEM Analysis - BE&Surfin Compounds A/P ST CR	AU	1.000	12,000.00	12,000.00
		SEM Analysis - BE&Surfin Compounds	AU	1.000	12,000.00	

INR - TWELVE THOUSAND Only.

Total : 12,000.00

Notes :

Warranty :

Price Basis :

Free on Road -Chennai Site

Payment Terms :

100% advance with Purchase order

Payment Instructions :

100% after certified bills.

Despatch to :

Global R&D Centre, Chennai, B-25, SIPCOT INDUSTRIAL ESTATE, Kancheepuram, 602105

Despatch instruction :

Insurance :

RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE INDIA PRIVATE LIMITED RENAULT · NISSAN JOINT VENTURE COMPANY		PURCHASE ORDER No 4203000013 Date 05.12.2017																									
Billing address : RNTBCI-SEZ, TP-2/1, Ascendas IT park MWC SEZ, Natham Sub PO. 603004 Kancheepuram Dt., TN, India Supplier account reference : 0000293645 Purchasing Department account reference : 0090094195 GSTN : 33AADCR7253E1ZK		Buyer : Sabarinathan B Buyer Code : IP2 RNTBCI Natham Sub Post Office, Chengalpet 603 002 CHENNAI E-mail : Sabarinathan.Balasubramanian@rntbci.com																									
Delivery address : RNTBCI SEZ Unit I TP-2/1, Ascendas IT park, MWC SEZ Natham Sub P.O. Kancheepuram Dt. 603004 Tamil Nadu, India		To : deansathyabama@gmail.com SATHYABAMA UNIVERSITY,, JEPPIAAR NAGAR, RAJIV GANDHI ROAD Kanchipuram Dist 600119 IN GSTN : State : TN																									
Payment conditions : fixed prices 30DC within 30 days Due net		International Commercial Terms : CIF Service provider The delivery address and International Commercial Terms referred to in this header are applicable to all order items unless otherwise indicated against the item.																									
Company : 0774 Renault Nissan Technology Chennai Plant : RNT1 RNTBCI SEZ Unit I India																											
Recipient : Z018704 Delivery point : INMAAMH1000																											
<table border="1"> <thead> <tr> <th>REF/PART NUMBER DESCRIPTION</th> <th>GROUP</th> <th>DELIVERY DATE</th> <th>QUANTITY</th> <th>UOM</th> <th>PRICE/UNIT</th> <th>BY PRICE-UOM</th> <th>TOTAL (INR)</th> </tr> </thead> <tbody> <tr> <td>00010 TESTING FESEM + EDAX(1 HOUR)</td> <td>899001</td> <td>10.12.2017</td> <td>10</td> <td>ST</td> <td>3,600.00</td> <td>1 ST</td> <td>36,000.00</td> </tr> <tr> <td colspan="7" style="text-align: right;">ORDER TOTAL EXCLUDING GST</td> <td>INR 36,000.00</td> </tr> </tbody> </table>				REF/PART NUMBER DESCRIPTION	GROUP	DELIVERY DATE	QUANTITY	UOM	PRICE/UNIT	BY PRICE-UOM	TOTAL (INR)	00010 TESTING FESEM + EDAX(1 HOUR)	899001	10.12.2017	10	ST	3,600.00	1 ST	36,000.00	ORDER TOTAL EXCLUDING GST							INR 36,000.00
REF/PART NUMBER DESCRIPTION	GROUP	DELIVERY DATE	QUANTITY	UOM	PRICE/UNIT	BY PRICE-UOM	TOTAL (INR)																				
00010 TESTING FESEM + EDAX(1 HOUR)	899001	10.12.2017	10	ST	3,600.00	1 ST	36,000.00																				
ORDER TOTAL EXCLUDING GST							INR 36,000.00																				
<u>Terms of payment</u> 30 days from the date of receipt of invoice.																											
General Conditions Vendor shall comply with all GST related regulatory requirements All tax conditions as applicable during dispatch to be adhered by the Vendor. The PO shall stand to be void, If vendor is black listed at any point during GSTN rating system. Any financial impact to RNTBCI due to non compliance under GST by vendors will be recovered with due notice. The invoice should be addressed to billing locations mentioning their respective GST numbers. Applicable tax deduction if any to be made by the Company under GST legislation/Income Tax would be deducted from the payments to Vendors. Taxes if any additional to be paid by Vendor on account of any non-compliance / audit finding / any reason under GST legislation shall not be payable by the Company Specific tax clauses Additional tax clauses for SEZ units covered under registration GSTN: 33AADCR7253E1ZK																											
Supplies made to SEZ units shall be entitled for 'Zero-Rating' subject to fulfilment condition. Hence, no GST to be charged on such transactions. In case, any taxes charged on such supplies eligible for 'Zero rating', the Company would not be remitting such amount to Vendor. Company would intimate separately in case, taxes if any need to be charged for SEZ supplies (either in PO or through separate correspondence)																											
The purchase order is expressly subject to General Purchasing Conditions of Renault Nissan Technology and Business Centre India Private Limited, for the type of equipment / service ordered : the supplier confirms knowledge and acceptance of these terms.																											
Renault Nissan Technology and Business Centre India Pvt. Ltd. Ascendas IT Park, Mahindra World City, No. TP 2/1, Natham SubPostOffice, Kancheepuram District, Chennai - 603002.																											

**RENAULT NISSAN TECHNOLOGY &
BUSINESS CENTRE INDIA PRIVATE LIMITED**

RENAULT · NISSAN
JOINT VENTURE COMPANY

PURCHASE ORDER No 4203000013

Date 05.12.2017

Buyer :

Sabarinathan B
RNTBCI
Natham Sub Post Office,Chengalpet
603 002 CHENNAI

Buyer Code : IP2

E-mail : Sabarinathan.Balasubramanian@rntbci.com

On behalf for the supplier,
(Stamp / Date / Signature)

Electronically signed by :
DECLERCQ Corentin,
Vice President Purchase

The purchase order is expressly subject to General Purchasing Conditions of Renault Nissan Technology and Business Centre India Private Limited, for the type of equipment / service ordered : the supplier confirms knowledge and acceptance of these terms.

Renault Nissan Technology and Business Centre India Pvt. Ltd.
Ascendas IT Park, Mahindra World City, No. TP 2/1, Natham SubPostOffice, Kancheepuram District,Chennai - 603002.

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-III, PRSO, RFF AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA

Ph No: 0471-2563775, 3609, 3611
Fax: 0471-2562105
Email: spsu_prso@vssc.gov.in

Date: 17/03/2017

INVITATION TO TENDER

M/s S02818
SATHYABAMA UNIVERSITY
CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY,
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI 600 119
INDIA
Ph: 044-24503150/3151 Fx: 044-2450 2344

Our Ref No : 5537 2016-007876-01
Tender Due: 14:00 Hrs IST on 13/04/2017

Dear Sirs,

Please submit your sealed quotation in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature, superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No: FORM NO. 19 & 23) ATTACHED

S.No.	Description of Items with Specifications	Unit	Quantity
1	Field Emission Scanning Electron Microscopy (FESEM) analysis of battery electrodes with EDAX Minimum 5 images per sample and 3 points per sample for EDAX	No.	20

DELIVERY AT: CRS, VSSC
MODE OF DESPATCH BY ROAD
DUTY EXEMPTIONS EXEMPTED

SPECIAL INSTRUCTIONS As per "Specific Terms & Conditions" attached.

SPECIFIC TERMS FORM NO. 19 & 23 ATTACHED

APPANU P
PURCHASE & STORES OFFICER
For and on behalf of the President of India
The Purchaser

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-III, PRSO, RFF AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA

Ph No: 0471-2563775, 3609, 3617
Fax: 0471-2562105
Email: spso_prso@vssc.gov.in

Date: 15/05/2017

INVITATION TO TENDER

M/s S02818
SATHYABAMA UNIVERSITY
CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY,
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI 600 119
INDIA
Ph: 044-24503150/3151 Fx: 044-2450 2344

Our Ref No : 5552 2017-000089-01
Tender Due: 14:00 Hrs IST on 06-06-2017

Dear Sirs,

Please submit your sealed quotation, in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature, superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No: FORM NO. 19 & 23 A) ATTACHED

S.No.	Description of Items with Specifications	Unit	Quantity
1	FESEM : Field Emission Scanning Electron Microscopy of fuel cell catalysts with EDAX(max. 5 images per sample and 3 per sample for EDAX)	No.	30
2	Note: 01. Maximum 5 FESEM images per sample and 3 points per sample for EDAX. 02. Samples shall be positioned to your site by our personnel and analysis shall be done in their presence.		

DELIVERY AT: CRS, VSSC
MODE OF DESPATCH BY ROAD
DUTY EXEMPTIONS EXEMPTED

SPECIAL INSTRUCTIONS As per "Specific Terms & Conditions" attached.

SPECIFIC TERMS FORM NO. 19 & 23 ATTACHED

APPANU P
PURCHASE & STORES OFFICER
For and on behalf of the President of India
The Purchaser

GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
VIKRAM SARABHAI SPACE CENTRE
PURCHASE UNIT-III, PRSO, RFF AREA
THIRUVANANTHAPURAM 695022
KERALA, INDIA

Ph No: 0471-2563775, 3609, 3617
Fax : 0471-2562105
Email: spso_prso@vssc.gov.in

Date : 06/06/2017

INVITATION TO TENDER

S02818

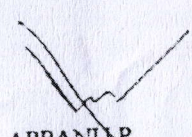
Our Ref No : 5562 2017-001092-01
Tender Due: 14:00 Hrs IST on 29/06/2017

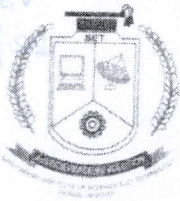
M/s
SATHYABAMA UNIVERSITY
CENTRE FOR NANOSCIENCE & NANOTECHNOLOGY,
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI 600 119
INDIA
Ph: 044-24503150/3151 Fx: 044-2450 2344

Dear Sirs,

Please submit your sealed quotation, in the Tender Form enclosed here along with the descriptive catalogues / pamphlets / literature, superscribed with Our Ref.No. and Due Date for the supply of the following items as per the terms & conditions mentioned in Annexure(Form No: FORM NO. 19 & 23) ATTACHED

S.No.	Description of Items with Specifications	Unit	Quantity
1	SEM ANALYSIS for Ceramic Samples	Sample	100
DELIVERY AT: CRS, VSSC			
MODE OF DESPATCH BY ROAD			
DUTY EXEMPTIONS EXEMPTED			
SPECIAL INSTRUCTIONS As per "Specific Terms & Conditions" attached.			
SPECIFIC TERMS FORM NO. 19 & 23 ATTACHED			


APPANUP
PURCHASE & STORES OFFICER
For and on behalf of the President of India
The Purchaser



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with "A" grade by NAAC

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



Phone : 044 - 2450 3150 / 3151 / 3152 / 3154 / 3155 Fax : 044 - 2450 2344

Website : www.sathyabama.ac.in

Ref No.: Sathyabama/Nano/Consultancy/Mag.Sputtering/2018-19/024 Date: 20/11/2018

Quotation for Magnetron Sputtering

With reference to your tender invitation Ref No: 6083 2018-002230-01 dated 23rd October, 2018, we hereby submit the charges for depositing films by Magnetron Sputtering technique.

S.No	Description of Items with Specifications	Quantity	Rate per sample(Rs.) (Including GST)	Amount (Rs.)
1.	Magnetron sputtering of metallic materials on Titanium alloy substrates	50	2300	1,15,000 (2300x50)
Total				1,15,000/-

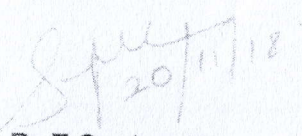
Terms of Payment:

- Payment can be made after the successful experimentation and analysis of samples.

We assure and believe you that we have given our best competitive price and look forward to hear reply at the earliest.

Thanking You,

With regards


Dr.T.Sasipraba
Pro Vice Chancellor

Johnson & Johnson
Vision Care

MDD Micro/Analytical Chemical Laboratory Supplier Desktop Audit Form

Instructions for completing this checklist:

1. Click on the boxes next to YES or NO to check the box.
2. For free text data fields, click into the gray box provided and type response.
3. Based on responses, and at the discretion of the Lead Auditor, objective evidence may be requested for some of the questions.
4. Refer to MDD-GSCSOP-007 (Supplier Audit Program) for details on desktop audits (JNJ Only).

Johnson & Johnson Operating Company leading Audit: OpCo

Company Details			
Company Name (dba if applicable)	Sathyabama University		
Contact Person(s)	Dr.T.Sasipraba	Phone #	044-24503065
Contact email	deansathyabama@gmail.com	Company Website(optional)	www.sathyabamauniversity.ac.in
Products or services supplied to JNJ	FeSEM& AFM Characterization		
Business address	Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi Road, Chennai- 600 119.		
Operations address (if different then Business Address. Otherwise, N/A)	N/A		
What is the business structure(public, private, etc.)?	Private	What are the company's core competencies?	Education, Research & Development, Consultancy and Etc.,
No. of Employees	1500(Teaching and Technical staff)	Size of operations facility (ft ² or m ²)	18000 ft ²
No. of years in business	The Institute is in the field of Education for the past 26 years	Number of years supplying to JNJ	N/A
Name of Person completing this form	Dr.T.Sasipraba	Date	

Johnson & Johnson
Vision Care

MDD Micro/Analytical Chemical Laboratory Supplier Desktop Audit Form

Questionnaire sections NOTE: Do not mark "JNJ Use" column

Part	Responsible
Part A – Audit Information.	Supplier to answer all relevant sections as indicated.
Part B – Review of effectivity of Corrections or CAPA from supply non-conformances since the last recorded audit date.	JNJ Lead Auditor and/or Supplier Quality to provide information.
Part C – Review of effectivity of Corrections or CAPA from the previous audit.	JNJ Lead Auditor and/or Supplier Quality to provide information.
Part D – Additional Comments.	Supplier to answer all relevant sections as indicated by the JNJ Lead Auditor.
Part E – Supplier Comments.	Supplier to complete this section.
Part F – JNJ Lead Auditor Review and Comments.	Supplier to provide documents.

A1. General Details

Applicable Quality Standards or Regulations to the Company (check all that apply) Most current revision of standard unless otherwise noted in the space provided

☐ IVD Directive 98/79/EC	☐ ISO13485:	☐ 21 CFR 210	☐ China (CFDA)
☐ EU MDD 2001/83/EC	☐ ISO 15189:	☐ 21 CFR 820	☐ Japan MHLW Ordinance No. 169
☐ CMDR - SOR98-282	☐ ISO 17025:	☐ 21 CFR 211	☐ Eudralex
☐ Australia (TGA)	☐ Brazil RDC No. 16	☐ 21 CFR 610	☒ Other – Specify: NAAC, MHRD
☐ ICH-E6 (GCP)	☐ Brazil RDC No. 167	☐ 21 CFR 606	
☒ ISO9001:	☐ CLIA: 1988:	☐ 21 CFR 58	

Expiration date(s) of applicable QMS or Regulatory Registration/Certificate:

(Please attach a copy of the certificate for the applicable Quality Standard or Regulatory Requirement EXAMPLE: ISO 9001:2008 Certificate)

Is the company registered with the US FDA? ☐ No ☐ Yes ☒ N/A (If N/A, all remaining fields in this section are left blank)

If yes, what is the company's US FDA registration number?

What was the date of the last US FDA audit?

Was an US FDA 483 issued? ☐ No ☐ Yes If yes, status of observation(s):

VCT-0121 (1)

Page 2 of 25



SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY
JEPPIAAR NAGAR, RAJIV GANDHI SALAI
CHENNAI 600119
Tamil Nadu
India
24503814

Kind Attention:
Mr. Rajesh Kanna
Your reference
Your quote

Purchase order

Page
1 / 2

PO number/date
4900032949 / Prabath / 04.07.2018
Contact person/Telephone
PUR RM/PM LCHM&CON/(44)24501474
Our fax number
(44) 24501650

Your vendor number with us
211015

Dear Sir,

We are pleased to place an order for the following item/s as per terms and conditions detailed below :

Item	Matl. Code Description	Quantity	Unit	Price / unit INR	Value INR
1	ATOMIC FORCE MICROSCOPY,AFM,ANALYSIS)	1	AU	9200.00	9,200.00
The item covers the following services:					
10	1011994 IRON SUCROSE ATOMIC FORCE MICROSCOPY,AFM,ANALYSIS	2	AU	4,600.00	9,200.00
PO TOTAL :					9,200.00

Rupees NINE THOUSAND TWO HUNDRED ONLY

TAXES EXTRA AS APPLICABLE AS PER GST LAWS

ANY LEVIES AND DISALLOWANCE OF CREDITS DUE TO NON-COMPLIANCE OF GST/INDIRECT TAX LAWS
ON ACCOUNT OF YOU THE SAME SHALL BE TO YOUR ACCOUNT

TERMS OF PAYMENT : Net 90 days

COMPLETION DATE : By 31.07.2018

Terms of delivery: FOR Freight On Road
SHOLINGANALLUR, CHENNAI.

Reference : Your quote thru mail.

Registered Office: Hospira Healthcare India Pvt. Ltd. (GSTIN : 33AABCO2190F1ZT) (CIN : U24232TN2009PTC073563)
Plot No.B3,SIPCOT Industrial Park,Irungattukottai 602117,
Sriperumbudur(Tk), Kancheepuram District, Tamilnadu, India.Tel: +91 44 27151111
Fax: +91 44 27156816. Website: www.hospira.com, E-mail id: hhipl@hospira.com



PURCHASE ORDER

PO. No. 00639/GLR/2017-18

Date: 09/02/2018

To:

Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Chennai-119.

Shipping Address:

GLR Laboratories Pvt. Ltd.,
444, Gokulam Street, Mathur,
Chennai 600068
India

Billing Address:

GLR Laboratories Pvt. Ltd.,
444, Gokulam Street, Mathur,
Chennai 600068
India

Contact person : Mr. R. Sivakumar

Email : enquiry@glrlabs.com

Description of Analysis Required

S.No.	Type of Analysis	Samples Quantity	Charges per sample (Rs.)	Total Charges (Rs.)
01	Surface Morphological Studies	23 Samples (Dental abutments, Implant materials)	2000.00	45690.00
Total				45690.00
Rupees Forty Five Thousand Six Hundred and Ninety Only				

Terms and Conditions:

1. Payment will be made after receipt of the invoice for 50% of samples tested.
2. Payment will be transferred through net banking to the following account details.

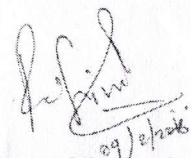
Name of the Account Holder : Sathyabama Institute of Science & Technology

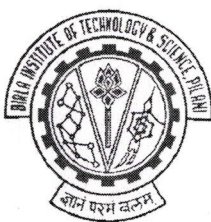
Account Number : 482965061

Name of the Bank & Branch : Indian Bank, Sathyabama University Branch, Chennai-600119

IFSC code : IDIB000S201

Place: Chennai


Signature of the In-charge



Birla Institute of Technology And Science, Pilani
Work Integrated Learning Programmes Division
Vidya Vihar Campus, Pilani 333031

Multilocation

Feb. 6, 2022

To

Name: R. AROUL CANESSANE

Course(s): DSECLZG628T-DSECLZG628T - Dissertation

Semester: 2021-22 Sem I

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

To begin with, it is necessary that we gain a better understanding of BITS Work Integrated Learning Programmes (WILP) and the roles and responsibilities as a guest faculty of BITS. To aid the same, you may go through the video modules hosted at https://elearn.bits-pilani.ac.in/user/static/guest_induction/, which would provide an overall orientation and also outline the learner centric approach to teaching followed at BITS.

• Evaluation Process for Dissertation:

The students enrolled in our degree programs would be registered for full semester dissertation in their final semester. Dissertation topic may be relevant to the ongoing work being done by the student in his/her parent organization, supported by clear objectives, methodologies, analysis & results, and comparison with other solutions, if any. The student works under the guidance of a mentor from the organization. Two examiners are also chosen to share their perspective to the proposed work. Your expertise is sought in the following three stages.

The Proposal Outline - The aim of the proposal review is to see that the chosen topic of work is non-trivial, analytical, application-oriented justify substantial research and/or development effort based on a specific theme. Students should choose only topics for which the work done can be presented, demonstrated and defended. This component carries 10% weightage. You may either accept the proposal, suggest modifications or reject the proposal based on the level of the proposed work and the time frame.

Mid semester - To review the project work along with midterm presentation and report as per the 'Plan of Work' and provide the appropriate feedback. A detailed evaluation has to be filled in along with the proposed grade which is one of Excellent, Good, Fair, Poor or RRA.

Final Evaluation - To evaluate the progress made by the individual student towards attaining the overall objective(s) of the Dissertation work through final presentation and the final project report. The final evaluation sheet is to be submitted to the BITS Coordinator along with the proposed grade which is one of Excellent, Good, Fair, Poor or RRA.

Please find below the honorarium package:

Dissertation Evaluation

You may kindly note that the honorarium package for evaluation of Dissertation which includes reviewing synopsis, conducting mid semester and final presentation in person along with filling in the evaluation templates is Rs. 2000 per student.

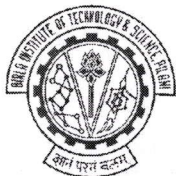
The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

The above payment would happen at the end of the semester post TDS deduction.

Thank you for accepting our invitation and we look forward to a mutually beneficial association. Please feel free to get in touch with your program coordinator for any queries that you may have.

Yours sincerely,

Dean - WLP
BITS, Pilani



Birla Institute of Technology & Science
Work Integrated Learning Programmes Division
Pilani - 333 031 (Rajasthan) India

Bangalore

Date: June 10, 2022

To,

R. AROUL CANESSANE

Course(s) Offered: SSWTZC364 - OPERATING SYSTEMS

Semester: 2021-22 Sem II

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

As this is an academic programme, it is necessary for all the faculty to adhere to certain guidelines pertaining to instruction delivery and evaluation. We draw your attention in this regard.

➤ **Instruction Delivery:** The semester consists of **16 classes** of 90 minute duration and the schedule would be informed well before the start of the semester. The course coverage should be as per the handout and from the text and reference books mentioned therein. The finer details of instruction delivery would be given by the programme coordinator / lead instructor / lead faculty.

➤ **Evaluation Process:** We believe in the process of continuous internal assessments. The dates for the various evaluation components and also their weightages would be mentioned in the handout. The assessments are split as:

- **Evaluation Component 1 (EC1):** This component consists of Quizzes and Assignments spread throughout the semester. The programme coordinator / lead instructor / lead faculty may get in touch with you to add questions to the MCQ bank, set questions for the assignments or prepare lab / experiential learning components.
- **Evaluation Component 2 (EC2) also known as Mid Semester Examination:** The principal aim of this evaluation is to test the candidate on the understanding of fundamental concepts. The students would have access to the prescribed text / reference books and class notes and is for a minimum duration of two hours. You will have to participate in the preparation of questions and a detailed marking scheme.
- **Evaluation Component 3 (EC3) also known as Comprehensive Examination:** This is comprehensive in nature and the entire course contents are to be included for this component. The students would have access to the prescribed text / reference books and class notes and is for a minimum duration of two hours. This evaluation aids in assessing the analysis and application knowledge of the student. You will have to participate in the preparation of questions and a detailed marking scheme.

➤ **Question Paper Setting:**

Please ensure that the questions are focused to test the ability of the participants to apply the concepts learnt in the course to solve real world problems. A detailed guideline on setting the questions would be shared with you by the programme coordinator / lead instructor / lead faculty.

➤ **Evaluation:**

Evaluations for **EC1, EC2, EC3** should be done within the time period specified by the programme coordinator and the answer scripts need to be shown to the students. Revaluation requests, if any, should also be completed within the given timeline.

You may kindly note that the honorarium package for handling the course would have the following components.

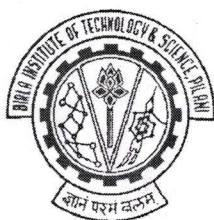
- Rs. 3,250/- per 90 minute class
- Rs. 300/- per student for the evaluations
- Rs. 10,000/- towards preparation for flipped mode classes.

The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

Thank you for accepting our invitation and we look forward to a mutually beneficial association. Please feel free to get in touch with the programme coordinator for any other queries that you may have.

Yours Sincerely,

Dean - WILP
BITS Pilani



Birla Institute of Technology And Science, Pilani
Work Integrated Learning Programmes Division
Vidya Vihar Campus, Pilani 333031

Chennai

March 30, 2022

To

Name: R. AROUL CANESSANE

Course(s): SSWTZC363-SSWTZC363 - Data Structures and Algorithms Design

Semester: 2021-22 Sem I

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

To begin with, it is necessary that we gain a better understanding of BITS Work Integrated Learning Programmes (WILP) and the roles and responsibilities as a guest faculty of BITS. To aid the same, you may go through the video modules hosted at https://elearn.bits-pilani.ac.in/user/static/guest_induction/, which would provide an overall orientation and also outline the learner centric approach to teaching followed at BITS.

As this is an academic programme, it is necessary for all the faculty to adhere to certain guidelines pertaining to teaching and evaluation. We draw your attention in this regard.

- Teaching

The classes are spread over 16 weeks (for regular mode) and 10 weeks (for Flipped mode) and apart from that there are three evaluation components. The course coverage should be as per the handout and from the text and reference books mentioned therein. Each class is of two hour duration.

- Evaluation Process

We believe in the process of continuous internal assessments. The assessments are split as Midsem, during the middle of the semester, Assignment, Labs and other experiential components spread across the semester and Comprehensive, at the end of the semester. Surprise quizzes, tests etc., may be given at any point of the semester but may not be considered for final grading.

Midsem Examination - The principal aim of this evaluation is to test the candidate the understanding of fundamental concepts. In this examination the student does not have access to any material (closed book).

Assignment, Labs, Experiential Learning components - This component comprises of solving a set of problems, giving presentations / demos, analyzing a case study etc., Labs, and other Experiential Learning components (if any) as per the scope of the course.

Comprehensive Examination - This is comprehensive in nature and the entire course contents are to be included for this component. The students would have access to the prescribed text/reference books and class. This evaluation aids in assessing the analysis and application orientation of the student.

It is **mandatory** for all the faculty to take part in the invigilation during the examinations.

Evaluation of Exam Answerscripts, Assignments, Labs, and other Experiential Learning components (if any):

The assigned evaluation work and subsequent recheck work, if any, should be completed within the timelines as communicated and the answer scripts need to be returned to the students. Both the soft copy and hard copy of the marksheets need to be handed over to the Program coordinator after the evaluation.

- Question paper Settings

Please ensure that the questions are focused to test the ability of the participants to apply the concepts learnt in the course to solve real world problems. A detailed guideline on setting the questions would be shared with you by the programme coordinator. We would altogether need four question papers, one for Midsem, one for Comprehensive and two for their makeup examinations along with the answer keys. Kindly send us the question papers by the deadline, which would be communicated by the programme coordinator.

Please find below the honorarium package:

For flipped lecture mode, in single location with single section

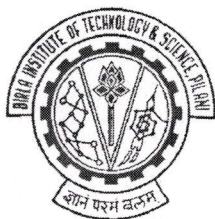
You may kindly note that the honorarium package for handling the course is Rs. 4250/- per 2 hour class added to which is Rs. 300 / student for the evaluations and Rs. 10,000 towards preparation for flipped mode. The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

The above payment would happen at the end of the semester post TDS deduction.

Thank you for accepting our invitation and we look forward to a mutually beneficial association. Please feel free to get in touch with your program coordinator for any queries that you may have.

Yours sincerely,

Dean - WLP
BITS, Pilani



Birla Institute of Technology And Science, Pilani
Work Integrated Learning Programmes Division
Vidya Vihar Campus, Pilani 333031

Multilocation

May 19, 2022

To

Name: R. AROUL CANESSANE

Course(s): DSECLZG628T-DSECLZG628T - Dissertation

Semester: 2021-22 Sem II

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

To begin with, it is necessary that we gain a better understanding of BITS Work Integrated Learning Programmes (WILP) and the roles and responsibilities as a guest faculty of BITS. To aid the same, you may go through the video modules hosted at https://elearn.bits-pilani.ac.in/user/static/guest_induction/, which would provide an overall orientation and also outline the learner centric approach to teaching followed at BITS.

• Evaluation Process for Dissertation:

The students enrolled in our degree programs would be registered for full semester dissertation in their final semester. Dissertation topic may be relevant to the ongoing work being done by the student in his/her parent organization, supported by clear objectives, methodologies, analysis & results, and comparison with other solutions, if any. The student works under the guidance of a mentor from the organization. Two examiners are also chosen to share their perspective to the proposed work. Your expertise is sought in the following three stages.

The Proposal Outline - The aim of the proposal review is to see that the chosen topic of work is non-trivial, analytical, application-oriented justify substantial research and/or development effort based on a specific theme. Students should choose only topics for which the work done can be presented, demonstrated and defended. This component carries 10% weightage. You may either accept the proposal, suggest modifications or reject the proposal based on the level of the proposed work and the time frame.

Mid semester - To review the project work along with midterm presentation and report as per the 'Plan of Work' and provide the appropriate feedback. A detailed evaluation has to be filled in along with the proposed grade which is one of Excellent, Good, Fair, Poor or RRA.

Final Evaluation - To evaluate the progress made by the individual student towards attaining the overall objective(s) of the Dissertation work through final presentation and the final project report. The final evaluation sheet is to be submitted to the BITS Coordinator along with the proposed grade which is one of Excellent, Good, Fair, Poor or RRA.

Please find below the honorarium package:

Dissertation Evaluation

You may kindly note that the honorarium package for evaluation of Dissertation which includes reviewing synopsis, conducting mid semester and final presentation in person along with filling in the evaluation templates is Rs. 2000 per student.

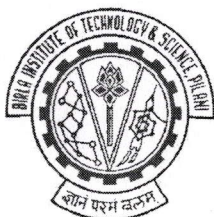
The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

The above payment would happen at the end of the semester post TDS deduction.

Thank you for accepting our invitation and we look forward to a mutually beneficial association. Please feel free to get in touch with your program coordinator for any queries that you may have.

Yours sincerely,

Dean - WLP
BITS, Pilani



Birla Institute of Technology And Science, Pilani
Work Integrated Learning Programmes Division
Vidya Vihar Campus, Pilani 333031

Chennai

June 18, 2021

To

Name: R. AROUL CANESSANE

Course(s): CSIWZC364-CSIWZC364 - OPERATING SYSTEMS

Semester: 2020-21 Sem 2

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

To begin with, it is necessary that we gain a better understanding of BITS Work Integrated Learning Programmes (WILP) and the roles and responsibilities as a guest faculty of BITS. To aid the same, you may go through the video modules hosted at https://elearn.bits-pilani.ac.in/user/static/guest_induction/, which would provide an overall orientation and also outline the learner centric approach to teaching followed at BITS.

As this is an academic programme, it is necessary for all the faculty to adhere to certain guidelines pertaining to teaching and evaluation. We draw your attention in this regard.

- Teaching

The classes are spread over 16 weeks (for regular mode) and 10 weeks (for Flipped mode) and apart from that there are three evaluation components. The course coverage should be as per the handout and from the text and reference books mentioned therein. Each class is of two hour duration.

- Evaluation Process

We believe in the process of continuous internal assessments. The assessments are split as Midsem, during the middle of the semester, Assignment, Labs and other experiential components spread across the semester and Comprehensive, at the end of the semester. Surprise quizzes, tests etc., may be given at any point of the semester but may not be considered for final grading.

Midsem Examination - The principal aim of this evaluation is to test the candidate the understanding of fundamental concepts. In this examination the student does not have access to any material (closed book).

Assignment, Labs, Experiential Learning components - This component comprises of solving a set of problems, giving presentations / demos, analyzing a case study etc., Labs, and other Experiential Learning components (if any) as per the scope of the course.

Comprehensive Examination - This is comprehensive in nature and the entire course contents are to be included for this component. The students would have access to the prescribed text/reference books and class. This evaluation aids in assessing the analysis and application orientation of the student.

It is **mandatory** for all the faculty to take part in the invigilation during the examinations.

Evaluation of Exam Answerscripts, Assignments, Labs, and other Experiential Learning components (if any):

The assigned evaluation work and subsequent recheck work, if any, should be completed within the timelines as communicated and the answer scripts need to be returned to the students. Both the soft copy and hard copy of the marksheets need to be handed over to the Program coordinator after the evaluation.

- Question paper Settings

Please ensure that the questions are focused to test the ability of the participants to apply the concepts learnt in the course to solve real world problems. A detailed guideline on setting the questions would be shared with you by the programme coordinator. We would altogether need four question papers, one for Midsem, one for Comprehensive and two for their makeup examinations along with the answer keys. Kindly send us the question papers by the deadline, which would be communicated by the programme coordinator.

Please find below the honorarium package:

For flipped lecture mode, in multiple location with multiple section

Regular Faculty

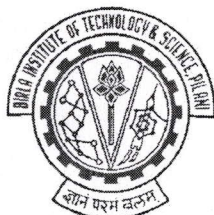
You may kindly note that the honorarium package for handling the course is Rs. 3650 per 2 hour class added to which is Rs. 300 / student for the evaluations and Rs. 10,000 towards preparation for flipped mode. The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

The above payment would happen at the end of the semester post TDS deduction.

Thank you for accepting our invitation and we look forward to a mutually beneficial association. Please feel free to get in touch with your program coordinator for any queries that you may have.

Yours sincerely,

Dean - WILP
BITS, Pilani



Birla Institute of Technology And Science, Pilani
Work Integrated Learning Programmes Division
Vidya Vihar Campus, Pilani 333031

Chennai

June 19, 2021

To

Name: R. AROUL CANESSANE

Course(s): SEWPZC363-SEWPZC363 - DATA STRUCTURES & ALGO

Semester: 2019-20 Sem 1

Dear Sir / Madam,

A warm welcome to the BITS fraternity. We are glad that you have joined us in our endeavor to develop human resources of organizations with which BITS is associated. We firmly believe that with your academic and professional experience, you would be able to motivate and enlighten the participants of the programme.

To begin with, it is necessary that we gain a better understanding of BITS Work Integrated Learning Programmes (WILP) and the roles and responsibilities as a guest faculty of BITS. To aid the same, you may go through the video modules hosted at https://elearn.bits-pilani.ac.in/user/static/guest_induction/, which would provide an overall orientation and also outline the learner centric approach to teaching followed at BITS.

As this is an academic programme, it is necessary for all the faculty to adhere to certain guidelines pertaining to teaching and evaluation. We draw your attention in this regard.

- Teaching

The classes are spread over 16 weeks (for regular mode) and 10 weeks (for Flipped mode) and apart from that there are three evaluation components. The course coverage should be as per the handout and from the text and reference books mentioned therein. Each class is of two hour duration.

- Evaluation Process

We believe in the process of continuous internal assessments. The assessments are split as Midsem, during the middle of the semester, Assignment, Labs and other experiential components spread across the semester and Comprehensive, at the end of the semester. Surprise quizzes, tests etc., may be given at any point of the semester but may not be considered for final grading.

Midsem Examination - The principal aim of this evaluation is to test the candidate the understanding of fundamental concepts. In this examination the student does not have access to any material (closed book).

Assignment, Labs, Experiential Learning components - This component comprises of solving a set of problems, giving presentations / demos, analyzing a case study etc., Labs, and other Experiential Learning components (if any) as per the scope of the course.

Comprehensive Examination - This is comprehensive in nature and the entire course contents are to be included for this component. The students would have access to the prescribed text/reference books and class. This evaluation aids in assessing the analysis and application orientation of the student.

It is **mandatory** for all the faculty to take part in the invigilation during the examinations.

Evaluation of Exam Answerscripts, Assignments, Labs, and other Experiential Learning components (if any):

The assigned evaluation work and subsequent recheck work, if any, should be completed within the timelines as communicated and the answer scripts need to be returned to the students. Both the soft copy and hard copy of the marksheet need to be handed over to the Program coordinator after the evaluation.

- Question paper Settings

Please ensure that the questions are focused to test the ability of the participants to apply the concepts learnt in the course to solve real world problems. A detailed guideline on setting the questions would be shared with you by the programme coordinator. We would altogether need four question papers, one for Midsem, one for Comprehensive and two for their makeup examinations along with the answer keys. Kindly send us the question papers by the deadline, which would be communicated by the programme coordinator.

Please find below the honorarium package:

For flipped lecture mode, in single location with single section

You may kindly note that the honorarium package for handling the course is Rs. 3650 per 2 hour class added to which is Rs. 300 / student for the evaluations and Rs. 10,000 towards preparation for flipped mode. The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

The above payment would happen at the end of the semester post TDS deduction.

Thank you for accepting our invitation and we look forward to a mutually beneficial association. Please feel free to get in touch with your program coordinator for any queries that you may have.

Yours sincerely,

Dean - WLP
BITS, Pilani