

Fwd: Water Sample Laboratory Analysis

1 message

Annam Renita <reniriana@gmail.com>

Fri, Oct 14, 2022 at 12:06 PM

To: Hod Chemical <chemicalhod@sathyabama.ac.in>

sir,i asked irc people to give us some tasks so that our department can do consultancy sort of.they told nitrates and phosphates,they are going to do by spectrometer.they asked whether we can do chlorides and cations?

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

From: **Skalbeck, John D** <skalbeck@uwp.edu>

Date: Fri, Oct 14, 2022 at 10:48 AM

Subject: Water Sample Laboratory Analysis

To: amit.kumar.szn@gmail.com <amit.kumar.szn@gmail.com>, prakash.cccs@sathyabama.ac.in

<prakash.cccs@sathyabama.ac.in>

Cc: reniriana@gmail.com <reniriana@gmail.com>, vc@sathyabama.ac.in <vc@sathyabama.ac.in>, Otu, Emmanuel

O <otu@uwp.edu>, arun@indiaenvironment.org <arun@indiaenvironment.org>, PRINCIPAL .

<principal@jsglobalschool.in>

Drs. Kumar and Prakash

It was a pleasure to meet you yesterday and hear about your research activities in the Center for Climate Change Studies at Sathyabama Institute of Science and Technology. I am grateful for the tour of your laboratory facilities and your willingness to conduct analysis on the water samples I have collected from E.F.I. Restored Lakes.

I anticipate collecting between 42 and 45 samples by the end of October. I could drop off samples on November 1-2 or November 8-11.

We discussed testing for phosphorus, nitrate, and chloride to serve as a comparison with my Hach bench testing results. You also mentioned testing for a number of cations and some other parameters which would suit the study well.

I indicated that the University of Wisconsin Parkside will pay the fees associated with the testing. I look forward to meeting again with you soon.

Best Regards,

John



Dr. John D. Skalbeck

Professor, Geosciences Department

Academic Director, Master of Science

in Sustainable Management

NCAA Faculty Athletic Representative

Certificate of Completion

This is to certify that Sathyabama Institute of Science and Technology has successfully completed “**ReactJS based Web Application**”

Project was submitted on time and delivered successfully on the committed date.

Project Description:

ReactJS based web application to manage and maintain the student records for the Learning Management web based system. It provides the online learning access with various types of courses such as Live Class, Text courses; Video based learning and so on. It will act as online Learning commerce for education system by purchasing their own courses to upskill their levels towards the latest technologies.

Start Date: 10-01-2022

Completion Date: 04-05-2022

Note: This is an auto-generated certificate this does not require signature

Certificate of Completion

This is to certify that Sathyabama Institute of Science and Technology has successfully completed “LMS Mobile Application” using Flutter

Project was submitted on time and delivered successfully on the committed date.

Project Description:

LMS Mobile Application: Automate the LMS management of the organization to maintain the student E-learning at their convenience with mobile application. It consist of video courses, conceptual learning with the help of documents, cheat sheets and more. Quizzes can also incorporated in the application that helps to enhance student's skill set towards technology.

Start Date: 10-01-2022

Completion Date: 04-05-2022

Note: This is an auto-generated certificate this does not require signature

INVOICE

Date : 29/05/2023

INVOICE : SOC/PRIDE/ THINKDESK /05/2023/03



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

GSTIN / UIN :
33AAITS6572P2ZN

Bill To :

Mr.Karthik

Heads - Corporate Clients,
ThinkDezk
Plot No-8, Rajiv Gandhi Salai,
Chennai-600097

Email: karthik@credosystemz.com

Mobile : 9884412301

Project Proposed By :

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

**Project Name : Waste Food Management and
Donation Mobile App**

Project Description:

Android-based **Food Waste Management** system can assist in collecting the **leftover food** from Hotels & Restaurants to distribute among those in need

Description

Duration

Cost

Total

1. Android-Based **Food Waste Management** system can assist in Collecting the **Leftover Food** from Hotels & Restaurants to distribute among those in need.

45 Days

90,678 /-

90,678 /-

Sub Total : **90,678 /-**

90,678 /-

GST (18%) : 16,322 /-

Total : **1,07000 /-**

Tax Amount (In Words) :

Rupees One Lakh Seven Thousand Only

Dean

School of Computing
(Dr. T. Sasikala)

HOD

Dept. of CSE
(Dr. L. Lakshmanan)

Pride Coordinators

Project Innovation and Development Centre
1. Dr. K. Ashokkumar
2. Dr. J. Albert Mayan

Project Coordinators

1. Dr S Vigneshwari
2. Dr R Sathyabama Krishnan
3. Dr D Menaka

Head of the Institution

INVOICE

Date : 29/05/ 2023

INVOICE : SOC/PRIDE/ COGNIBOT /05/2023/03



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

**GSTIN / UIN :
33AAITS6572P2ZN**

Bill To :

Mr.Ajaykumar
Cognibot Robotics
715-A, 7th floor, Spencer Plaza, suite
no.678, Anna Salai, Chennai-600002

Email:ajay@cognibot.ml
www.cognibotrobotics.com

Project Proposed By :

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

Project Name :

Ambulance Path Detection using Folium and Polygonal Path

Project Description:

**Automatic Ambulance Rescue System using
Shortest Path Finding Algorithm**

Description

Duration

Cost

Total

Automatic Ambulance Rescue System
using Shortest Path Finding Algorithm -
Folium and Polygonal Path

45 Days

1,00,847 /-

1,00,847 /-

Sub Total : **1,00,847 /-**
GST (18%) : **18,153/-**

1,00,847 /-

Total : 1,19,000 /-

Tax Amount (In Words) :

Rupees One Lakh Nineteen Thousand Only

Dean

School of Computing
(Dr. T. Sasikala)

HOD

Dept. of CSE
(Dr. L. Lakshmanan)

Pride Coordinators

Project Innovation and Development Centre
1. Dr. K. Ashokkumar
2. Dr. J. Albert Mayan

Project Coordinators

1. Dr S Prince Mary
2. Dr G Ramya Franklin
3. Mr.R.Vignesh
4. Ms.D.Deepa

Head of the Institution

INVOICE

Date : 29/05/ 2023

INVOICE : SOC/PRIDE/ MACINCODE /05/2023/02

**Sathyabama Institute of
Science and Technology,**Jeppiaar Nagar,
Rajiv Gandhi Road,
Sholinganallur, Chennai,
Tamil Nadu 600119GSTIN / UIN :
33AAITS6572P2ZN

Bill To :

Mr.Lenin Prakash
CEO & Founder**Macincode Technologies**
Bengaluru | Salem

info@macincode.com

Project Proposed By :

Project Innovation and Development Centre (PRIDE)
Department of Computer Science and Engineering**Project Name :** Vision Based Detection and analysis of
Human Activities

Project Description:

Human activity recognition using LSTM and CNN is to develop an accurate and efficient system that can recognize and classify human activities from sensor data.

Description

Duration

Cost

Total

1. Human Activity Recognition Using LSTM
and CNN

45 Days

2,03,000 /-

2,03,000 /-

2. Data Collection Process, Pre-Processing,
and Apply **Deep Learning Models**

Sub Total : 1,72,034 /-

1,72,034 /-

GST (%) : 30,966 /-

Total : 2,03,000 /-

Tax Amount (In Words) :

Rupees Two Lakh Three Thousand Only

Dean

School of Computing
(Dr. T. Sasikala)

HOD

Dept. of CSE
(Dr. L. Lakshmanan)

Pride Coordinators

Project Innovation and Development Centre
1. Dr. K. Ashokkumar
2. Dr. J. Albert Mayan

Project Coordinators

1. Dr. L. Lakshmanan
2. Dr. K. Ashokkumar
3. Dr. L SujiHelen**Head of the Institution**

INVOICE

Date : 29/05/ 2023

INVOICE : SOC/PRIDE/ SmartBridge/05/2023/001



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

GSTIN / UIN :
33AAITS6572P2ZN

Bill To :

Mr.Jaiprakash

SmartBridge Educational Service Pvt Ltd.

Plot No.132, Bapuji Nagar,
Habsiguda,
Above DCB bank, 2nd floor,
Nacharam Main Road,
Hyderabad – 500 076.

Phone: +91 96769388531
jai@thesmartbridge.com

GSTIN / UIN : 36AAWCS3611C1ZC

Project Proposed By :

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

Project Name : Application for constructing and Recognizing Forensic Face Sketches Mobile App

Project Description:

Mobile Application Development for construct accurate composite face sketches using the predefined facial feature

Description

Duration

Cost

Total

Forensic Face Sketch, Face Sketch Construction, Face Recognition, Criminal Identification, Deep Learning, Machine Locking, Two Step Verification.

45 Days

1,05,932 /-

1,05,932 /-

Sub Total : 1,05,932 /-

GST (18%) : 19,068/-

Total : 1,25,000 /-

1,05,932 /-

Tax Amount (In Words) :

Rupees One Lakh Twenty Five Thousand Only

Dean

School of Computing
(Dr. T. Sasikala)

HOD

Dept. of CSE
(Dr. L. Lakshmanan)

Pride Coordinators

Project Innovation and Development Centre
1. Dr. K. Ashokkumar
2. Dr. J. Albert Mayan

Project Coordinators

1. Dr A Mary Psonia
2. Dr S Bangaru Kamatchi
3. Dr. M P Vaishnnave

Head of the Institution

 Re: Consultany project-Reg.

6 Jun, 19:25

Dear Dr.Nandhitha and Dr.Emalda Roslin

We are hereby ready to provide you the consultancy work for assessing the quality of yarn. On our side, we will provide you the visible images or if you want to acquire the images, we can give permission for the both. Our requirement is that your software must provide the thickness of the yarn. The delivered software package must accept the visible image as input and must provide the thickness of the yarn as the output. Also the software must be in the form of a Graphical User Interface so that it will be easy to use. Also you must provide the user manual to the above and any patenting or publication must be done only with our consent. Duration of your work is six months and it begins on the day you receive the initial payment. Also only after the successful implementation of the work, the remaining amount will be sent.

Thanking you

Kind Regards,
RAAJAH.
General Manager,
BP INTERNATIONAL,
Salem

Sent from RediffmailNC on Android



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More



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School of Electrical and Electronics

Department of EEE

Academic Year – 2022 – 2023

3.5.2 Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1: Total amount generated from consultancy and corporate training year wise during the year (INR in lakhs)

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Year	Revenue generated (INR in Lakhs)
AVM Engineering Industry	IGBT based switching control for Electrical Motor Drives	AVM Engineering Industry, Coimbatore	2022	Rs 5.5 lakhs
Ideal Sensors	Power and Temperature Controlled Home automation system	Ideal Sensors, Valasaravakkam, Chennai	2022	Rs 4.75 lakhs



AN ISO 9001:2008 CERTIFIED COMPANY



AVM ENGINEERING INDUSTRY

15, KAMARAJAR NAGAR, 5th STREET,
K.R.PURAM, AVARAMPALAYAM, COIMBATORE - 641 006.

100 MM (4") SUBMERSIBLE PUMPS PERFORMANCE CHART AND PRICE LIST

Date: 20.05.2022

To

The Head of the Department
Department of Electrical and Electronics,
Sathyabama Institute of Science and Technology,
Chennai - 600 119.

Respected sir,

SUB: Requesting a Faculty for Consultancy Work - Technical Issue - Reg.

Our company is looking forward a faculty to provide us a Technical support and solution for Electrical Energy Related Issues. In this regard, we would like to have a Technical support from a faculty member belonging to the department of Electrical and Electronics Engineering. Kindly let us know a faculty who is expertise in the identified area and take up our assignment as a consultancy work.

Thanking you

Yours

A. Murugan
(Proprietor)



AVM ENGINEERING INDUSTRY



AN ISO 9001:2008 CERTIFIED COMPANY



AVM ENGINEERING INDUSTRY

15, KAMARAJAR NAGAR, 5th STREET,
K.R.PURAM, AVARAMPALAYAM, COIMBATORE - 641 006.

100 MM (4") SUBMERSIBLE PUMPS PERFORMANCE CHART AND PRICE LIST

Date: 10.07.2022

To

The Head of the Department
Department of Electrical and Electronics,
Sathyabama Institute of Science and Technology,
Chennai - 600 119.

Respected sir,

SUB: Sanction of Consultancy Work Amount - Technical Issue - Reg.

Our company is glad to agree for an amount of Rs. 5,50,000 /- as quoted by you as the consultancy service fees for the duration of one year. In this regard, I would like to thank the university and the Head of the Department for accepting to carry out technical support to our organization.

Thanking you

Yours

A. Murugan

(Proprietor)



AVM ENGINEERING INDUSTRY

MINITUES OF MEETING HELD AT AVM ENGINEERING INDUSTRY

Date: 03.06.2022

Time: 10.00 AM

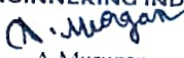
Venue: Board Room of AVM Engineering Industry, Coimbatore

Agenda:

- Discussion about Motor control issues at office premises
- Terms and conditions of consultancy work

Minutes of Meeting:

- The meeting started with the introduction of consultants Dr.V.Senthil Nayagam and Dr.A.Rameshbabu
- Dr.V.Senthil Nayagam and Dr.A.Rameshbabu thanked and started giving presentation of their previous consultancy work that has been completed for AVM Engineering Industry.
- Employees and site manager raised few queries and were clarified by the consultants.
- After a visit at all premises and the inputs gathered from site incharge, it was decided to change IGBT Based motor control unit without affecting the infrastructure of the premises with in one year.
- It was decided to finalize the agreement within two weeks of this meeting.


AVM ENGINEERING INDUSTRY

A.Murugan
(Proprietor)

Copy to

- Site manager
- Office
- HOD, Dept. of EEE, Sathyabama Institute of Science and Technology, Chennai

MINITUES OF MEETING HELD AT AVM ENGINEERING INDUSTRY

Date: 02.07.2022

Time: 1.00 PM

Venue: Board Room of AVM Engineering Industry, Coimbatore

Agenda:

- Discussion about Motor control issues at office premises
- Terms and conditions of consultancy work

Minutes of Meeting:

- After an official introduction, Dr.V.Senthil Nayagam and Dr.A.Rameshbabu has shared their previous experience and feedback given by them.
- Clear explanation of working of IGBT Based motor control without affecting the infrastructure has been given.
- After a visit at all premises and the inputs gathered from site incharge, it was decided to change higher rated motors control techniques
- It was decided to finalize the agreement within two weeks of this meeting.


AVM ENGINEERING INDUSTRY

A.Murugan
(Proprietor)

Copy to

- Office
- HOD, Dept. of EEE, Sathyabama Institute of Science and Technology, Chennai



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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www.sathyabama.ac.in

05.07.2022

TO

AVM Engineering Industry

78c, Kamaraj Nagar,
Kamadhenu Nagar,
Avarampalayam,
Illango Nagar,
Coimbatore,
Tamil Nadu 641006.

QUOTATION

I am giving assurance that the project completion will be in perfect and accuracy in the performance of the material quality and project working.
Furnishing my Lowest quotation for following items.

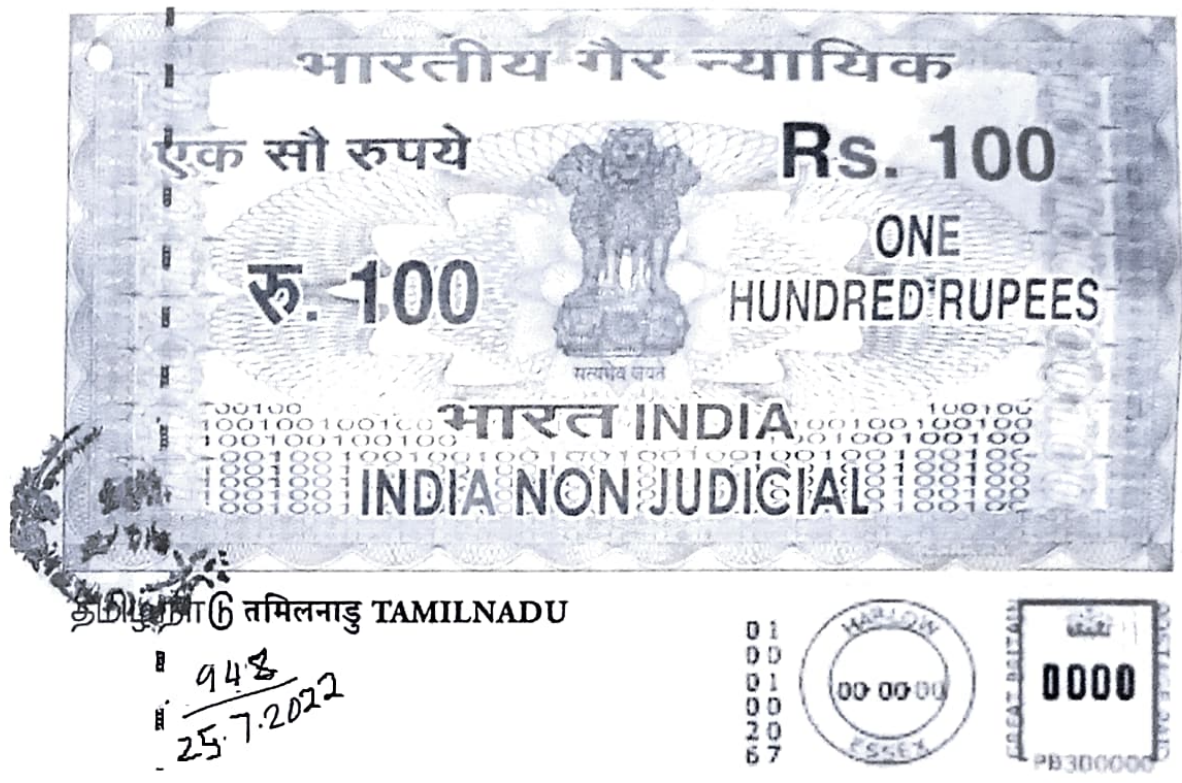
S.NO	Particulars	QUANTITY in NUMBERS	Price/unit	AMOUNT In Rs.
1)	Start and stop pushbuttons, relay coils, pilot lights, and any other variety of contact closure devices, like limit switches, pressure switches, temperature controllers, proximity sensors,	Each 10	50	5,250
2)	Infineon FF450R33T3E3BP5A1 Dual IGBT, 450 A 3300 V, 3-Pin XHP	1	1,19,372. 02	1,19,372. 02
3)	Terminals 30 A (Different Colors) R,Y,B.B Each 25 NOS.	100	25	2500.00
4)	Silk Wire	1 Coils	900	900.00
5)	Insulation Tape	10	17	170.00
6)	U clip (Silver)	200	10	2000.00
7)	Legrand MCB 32 A 3 Phase 3 way	4	1350	5400.00
8)	Legrand MCB 32 A 3 Phase 4 way	4	1750	7000.00
9)	Legrand MCB 32 A 3 Phase 2	10	850	8500.00

	way			
10)	Rishab I young digital multimeter	2	2200	4400.00
11)	Thermometer (1000 C- 6000 C)	1	350	350.00
12)	Leg (Aluminum)	1 pocket	490	490.00
13)	Panel Indicator	20	48	960.00
14)	Taparia wire stripper	5	142	710.00
15)	Taparia connector Screw Driver	10	60	600.00
16)	Screws and Nets (for different Size)	1 Box	400	400.00
17)	Resource Person Salary and Travel Expenses	2	1,00000	2,00000
18)	Miscellaneous Charges and GST 18% of various products			1,90,998
	Gr total			5,50,000

Rupees Five lakhs Fifty Thousand Only

THANKING YOU



CONFIDENTIALITY DISCLOSURE AGREEMENT

This agreement at Chennai on 25.07.2022 and shall confirm the interest of **AVM Engineering Industry**, Coimbatore, incorporated in India under the companies Act, 1956, and having its registered office at Avarampalyam, Coimbatore -641006 for disclosure of certain proprietary information of AVM Engineering Industry relating to the consultancy work to Sathyabama Institute of science and technology, an educational institution, situated at Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai-119, Tamilnadu, India AVM Engineering Industry and the participant shall be independently referred to as "Party" and collectively as "Parties". AVM Engineering Industry shall disclose such information on the following terms and conditions.

1. During the term of this agreement, including any extension thereof, Participant shall exercise all reasonable care to prevent the unauthorized disclosure of confidential information (as defined below) to any third party, and shall not use or allow to be used confidential information for any purpose other than that indicated in this agreement without AVM Engineering Industry prior written approval.

Confidential information shall include all Information disclosed hereunder in writing and marked "confidential" (or, if disclosed orally, visually and/or in another form and identified at the time of initial disclosure as confidential, thereafter confirmed in a writing marked "Confidential" and provided to Participant within one (1) month of initial disclosure), except any portion thereof which:

- a) is known to Participant before receipt thereof under this Agreement or is independently developed by or for the Participant without benefit of the Information supplied hereunder, as evidenced by Participant's written records;
 - b) is disclosed, without restriction, to Participant after full execution of this Agreement by a third party having a legal right to make such disclosure; or
 - c) is or becomes part of the public domain through no breach of this Agreement by Participant.
2. Nothing in this Agreement shall be construed to restrict the parties from disclosing Confidential Information as required by law or court order or other governmental order or request, provided in each case the party requested to make such disclosure shall timely inform the other party and use all reasonable efforts to limit the disclosure and maintain the confidentiality of such Confidential Information to the extent possible. In addition, the party requested to make such disclosure shall permit the other party to attempt to limit such disclosure by appropriate legal means.
3. This Agreement may not be assigned by either party, in whole or in part, without the prior written consent of the other party. Notwithstanding the foregoing, Pfizer, without such consent, may assign this Agreement, in whole or in part, to its parent, or to a wholly-owned subsidiary of its parent, or to any successors by merger, acquisition, spin-off or by divestiture of substantially all of the business to which this Agreement relates.
4. Neither party shall disclose the existence nor shall terms of this Agreement and neither party use the name of the any publicity or advertising without that other party's prior written approval.
5. No license or other interest in either party's intellectual property is conveyed by this Agreement and it is understood that neither party has any obligation to enter into any further Agreement with the other relating to the Information disclosed hereunder or any other matter. No agency or partnership is created by this Agreement.
6. This Agreement shall be effective for one (1) year from the date of full execution hereof and may be extended by written agreement signed by the parties. Either party may terminate this Agreement without cause upon thirty (30) days prior written notice to the party. Termination or expiration of this Agreement shall not affect any rights or obligations which have accrued prior thereto. In the event that this Agreement is terminated, or upon the request of Hospira, Participant shall return all Information to Hospira within thirty (30) days of Hospira's request.

7. The Participant shall not present or publish, nor submit for publication, any work resulting from the Services without AVM Engineering Industry prior written approval. Neither party shall use the other party's name in any publicity, advertising or announcement, or disclose the existence or terms of this Agreement, without the consenting party's prior written approval.
8. This Agreement constitutes the entire understanding of the parties hereto with respect to the matters herein contained. This Agreement may be modified only by written signed by the parties.
9. This Agreement shall be governed by and construed in accordance with the laws of India. Parties agree that any disputes arising out of or in relation to this Agreement shall be referred to arbitration to be conducted in accordance Arbitration and Conciliation Act, 1996, then in effect. The arbitration shall be held in Chennai and shall be conducted English language by one arbitrator, appointed by both the Parties in accordance with said Act. The decision of such arbitrator shall be final, binding and conclusive on the Parties, and judgment thereon may be entered in any court of competent jurisdiction.
10. Parties to the agreement represent and warrant that they shall comply with all applicable laws, statutes, rules and regulations governing its performance of the terms of this Agreement, including the Prevention of Corruption Act 1988 of India, United States Foreign Corrupt Practices Act, 15U.S.C §§78dd-1, et.seq., and the UK Bribery Act 2010 (c. 23). Parties further expressly agree that any breach by either them or any of its directors, officers or employees of this representation and warranty shall be deemed a material breach of this Agreement and permit the

Claims which either party may have against the other for damages which may arise as a result of said breach.

NOW IN WITNESS THEREOF, the parties agree to the aforesaid conditions and clauses. This Agreement to be executed in counterparts, each of which when so executed and delivered shall be deemed an original.

AVM Engineering Industry, Coimbatore,

Signature: 

Name: Mr. A. Murugan

Title: IGBT Based motor control

Date: 25.07.2022

Witness Signature: 

Name: I. BARNABAS

For Sathyabama Institute of Science and Technology

Signature: 

Name: Dr. V. Senthil Nayagam

Title: IGBT Based motor control

Date: 25.07.2022

Witness Signature: 

Name: A. ANTONY FERNANDEZ



बैंक ऑफ इंडिया
खोदादाद सर्कल ब्रांच
मुंबई - ४०००१४
IFSC: BKID0000027

BANK OF INDIA
KHODADAD CIRCLE Branch
MUMBAI, MAHARASHTRA - 400014

10072022
DDMMYY

Pay SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY लेखक को Or Bearer

रुपये Rupees TWO LAKHS TWENTY FIVE THOUSAND ONLY

रु. 2,25,000/-

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SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

05.06.2022

TO

IDEAL SENSORS

9, Main Rd, Alapakkam,
Ekambaram Industrial Estate Rd,
Alapakkam, KarpagaVinayagar Colony,
Valasaravakkam,
Chennai, Tamil Nadu 600116.

QUOTATION

I am giving assurance that the project completion will be in perfect and accuracy in the performance of the material quality and project working. Furnishing my Lowest quotation for following items.

S.NO	Particulars	QUANTITY in NUMBERS	Price/unit	AMOUNT In Rs.
1)	Omron CP1H PLC CPU - 24 (DC) Inputs, 16 (Transistor) Outputs, Transistor, For Use With SYSMAC CP1H Series, Ethernet	1	1,09,119.76	1,09,119.76
2)	PIR Sensor Module	20	1000	20,000.00
3)	Matrix Keypad	10	3000	30,000.00
4)	DC Cooling Fan	1 Coils	900	900.00
5)	LCD's	10	250	2500
6)	Crystal Oscillator	5	10	500
7)	Resistors	4	150	600
8)	Capacitors	4	1750	7000.00

9)	Transistors			
10)	Cables & Connectors	2 BOX	2200	4400.00
11)	Diodes	15	350	5250.00
12)	PCB	1 pocket	490	490.00
13)	Panel Indicator	20	50	1000.00
14)	Taparia wire stripper	5	142	710.00
15)	Taparia connector Screw Driver	10	60	600.00
16)	Screws and Nets (for different Size)	1 Box	400	400.00
17)	Resource Person Salary and Travel Expenses	2	1,00000	2,00000
18)	Miscellaneous Charges and GST 18% of various products			83,031
	Gr total			4,75,000

Rupees Four lakhs Seventy Five Thousand Only

THANKING YOU




IDEAL SENSORS

9, Main Rd, Alapakkam, Ekambaram Industrial Estate Rd,
Alapakkam, Karpaga Vinayagar Colony, Valasaravakkam,
Chennai, Tamil Nadu 600116

Date: 10.06.2022

To

The Head of the Department
Department of Electrical and Electronics,
Sathyabama Institute of Science and Technology,
Chennai – 600 119.

Respected sir,

SUB: Sanction of Consultancy Work Amount – Technical Issue – Reg.

Our company is glad to agree for an amount of Rs. 4,75,000/- as quoted by you as the consultancy service fees for the duration of one year. In this regard, I would like to thank the university and the Head of the Department for accepting to carry out technical support to our organization

Thanking you

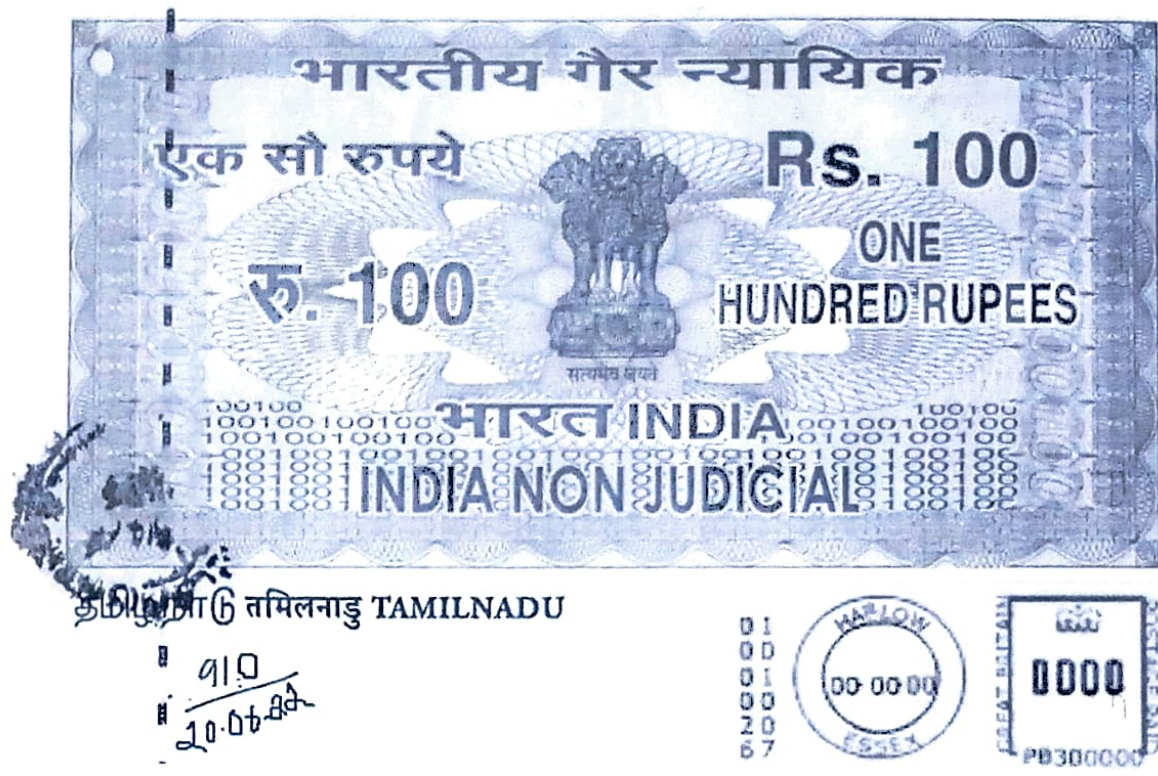
Yours

M. Raja

(Director)



IDEAL SENSORS - Valasaravakkam, Chennai, Tamil Nadu 600116



CONFIDENTIALITY DISCLOSURE AGREEMENT

This agreement at Chennai on 20.06.2022 and shall confirm the interest of IDEAL SENSORS incorporated in India under the companies Act, 1956, and having its registered office at T Nagar, Chennai, Tamil Nadu for disclosure of certain proprietary information of IDEAL SENSORS relating to the consultancy work to Sathyabama Institute of science and technology , an educational institution, situated at Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai-119, Tamilnadu, India IDEAL SENSORS and the participant shall be independently referred to as "Party" and collectively as "Parties". IDEAL SENSORS shall disclose such information on the following terms and conditions.

1. During the term of this agreement, including any extension thereof, Participant shall exercise all reasonable care to prevent the unauthorized disclosure of confidential information (as defined below) to any third party, and shall not use or allow to be used confidential information for any purpose other than that indicated in this agreement without IDEAL SENSORS prior written approval.

Confidential information shall include all Information disclosed hereunder in writing and marked "confidential" (or, if disclosed orally, visually and/or in another form and identified at the time of initial disclosure as confidential, thereafter confirmed in a writing

marked "Confidential" and provided to Participant within one (1) month of initial disclosure), except any portion thereof which:

- a) is known to Participant before receipt thereof under this Agreement or is independently developed by or for the Participant without benefit of the Information supplied hereunder, as evidenced by Participant's written records;
 - b) is disclosed, without restriction, to Participant after full execution of this Agreement by a third party having a legal right to make such disclosure; or
 - c) is or becomes part of the public domain through no breach of this Agreement by Participant.
2. Nothing in this Agreement shall be construed to restrict the parties from disclosing Confidential Information as required by law or court order or other governmental order or request, provided in each case the party requested to make such disclosure shall timely inform the other party and use all reasonable efforts to limit the disclosure and maintain the confidentiality of such Confidential Information to the extent possible. In addition, the party requested to make such disclosure shall permit the other party to attempt to limit such disclosure by appropriate legal means.
 3. This Agreement may not be assigned by either party, in whole or in part, without the prior written consent of the other party. Notwithstanding the foregoing, Pfizer, without such consent, may assign this Agreement, in whole or in part, to its parent, or to a wholly-owned subsidiary of its parent, or to any successors by merger, acquisition, spin-off or by divestiture of substantially all of the business to which this Agreement relates.
 4. Neither party shall disclose the existence nor shall terms of this Agreement and neither party use the name of the any publicity or advertising without that other party's prior written approval.
 5. No license or other interest in either party's intellectual property is conveyed by this Agreement and it is understood that neither party has any obligation to enter into any further Agreement with the other relating to the Information disclosed hereunder or any other matter. No agency or partnership is created by this Agreement.
 6. This Agreement shall be effective for one (1) year from the date of full execution hereof and may be extended by written agreement signed by the parties. Either party may terminate this Agreement without cause upon thirty (30) days prior written notice to the party. Termination or expiration of this Agreement shall not affect any rights or obligations which have accrued prior thereto. In the event that this Agreement is

terminated, or upon the request of Hospira, Participant shall return all Information to Hospira within thirty (30) days of Hospira's request.

7. The Participant shall not present or publish, nor submit for publication, any work resulting from the Services without IDEAL SENSORS prior written approval. Neither party shall use the other party's name in any publicity, advertising or announcement, or disclose the existence or terms of this Agreement, without the consenting party's prior written approval.
8. This Agreement constitutes the entire understanding of the parties hereto with respect to the matters herein contained. This Agreement may be modified only by written signed by the parties.
9. This Agreement shall be governed by and construed in accordance with the laws of India. Parties agree that any disputes arising out of or in relation to this Agreement shall be referred to arbitration to be conducted in accordance Arbitration and Conciliation Act, 1996, then in effect. The arbitration shall be held in Chennai and shall be conducted English language by one arbitrator, appointed by both the Parties in accordance with said Act. The decision of such arbitrator shall be final, binding and conclusive on the Parties, and judgment thereon may be entered in any court of competent jurisdiction.
10. Parties to the agreement represent and warrant that they shall comply with all applicable laws, statutes, rules and regulations governing its performance of the terms of this Agreement, including the Prevention of Corruption Act 1988 of India, United States Foreign Corrupt Practices Act, 15U.S.C §§78dd-1, et.seq., and the UK Bribery Act 2010 (c. 23). Parties further expressly agree that any breach by either them or any of its directors, officers or employees of this representation and warranty shall be deemed a material breach of this Agreement and permit the

Claims which either party may have against the other for damages which may arise as a result of said breach.

NOW IN WITNESS THEREOF, the parties agree to the aforesaid conditions and clauses. This Agreement to be executed in counterparts, each of which when so executed and delivered shall be deemed an original.

IDEAL SENSORS

Signature:

M. Raja

Name: M. Raja

Title: Power and Temperature Controlled
Module

Date: 20.06.2022

Witness Signature:

V.V.IJAY

Name: V.V.IJAY

For Sathyabama Institute of Science
and Technology

Signature:

S. Radhika

Name: Dr.S.Radhika

Title: Power and Temperature Controlled
Module

Date: 20.06.2022

Witness Signature:

P.L.

Name: Dr.D.N.S. Ravi Kumar



बैंक ऑफ बरोडा
Bank of Baroda

CBS
चालू खाता | CURRENT ACCOUNT

दिनांक 10/6/2022
Date

अदा करे
Pay
रुपये
Rupees

Sathyabama Institute of Science & Technology
Two Lakhs and forty thousand only

या धारक को
Or Bearer

₹ 2,40,000/-

चक्र सं.
A/C No. 790623105

मालाद ईस्ट ब्रांच
14 फ्रागल C.H.S.LTD. Junction Of Dattary Road
मालाद ईस्ट, मुंबई 400097

MALAD (E) Branch
14 Pragati C.H.S.LTD. Junction Of Dattary Road
Malad (E) Mumbai 400097

RTGS / NEFT IFSC CODE: BARB0MALEAS

भरवा वीस लाख चालू खाता Payable at all branches of India

M. Sunny



SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
Centre for Molecular & Nanomedical Sciences



CONSULTANCY FORM

Date : 30/3/2023

Name : Manaswini V
Designation : Student B.Tech(Biotechnology)
Department : B.Tech(Biotechnology)
Name of University/Institution /Industries : **Sri Venkateswara College of Engineering**
Email ID : manaswinivijayaraghavan@gmail.com
Contact Number : 9962623397
Type of Analysis : SDS-PAGE
Number of Samples (Returnable/Non-Returnable) : 1 (Non-Returnable)
Details of sample (Liquid/Power/Crystal) : Liquid
If hazardous, please indicate the precautions)
Total Amount : 1500/-
Payment Mode : Cash
If DD, Name of the Bank / DD number & Date : -
Online Payment Detail : -


30/3/23

Signature of the Guide/Head

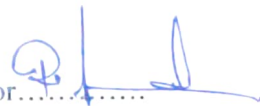


Signature of the User

Note: Please bring previous literatures, if available,

FOR OFFICE USE

Date Completed

Signature of the Operator.....

Name of the Operator: 

Forwarded by: 
Dr. S. Jackson Durairaj PhD., NET,
Scientist-D/Associate Professor (Research),
Centre for Molecular and Nanomedical Sciences,
International Research Centre,
Sathyabama Institute of Science and Technology,
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119,
Tamil Nadu, India.



SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY
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Centre for Molecular & Nanomedical Sciences



CONSULTANCY FORM

Date : 9/5/2023

Name : Abi Sherlin E
Designation : Student M.Tech(Biotechnology)
Department : Biotechnology
Name of University/Institution /Industries : **Sri Venkateswara College of Engineering**
Email ID & Contact Number : abissing184@gmail.com 7826014364
Type of Analysis : MTT Assay
Number of Samples (Returnable/Non-Returnable) : 1 Non - returnable
Details of sample (Liquid/Powder/Crystal) : Liquid
If hazardous, please indicate the precautions : -
Total Amount : 5000
Payment Mode : DD/Cash/Online ✓
If DD, Name of the Bank / DD number & Date :
Online Payment Detail : Transaction ID : 312902674506

Signature of the Guide/Head

Signature of the User

Note: Please bring previous literatures, if available,

FOR OFFICE USE

Date Completed

Signature of the Operator.....

19/5/23

Name of the Operator: **D. KAMARAJAN**

Forwarded by: **Dr. S. JACKSON DURAIRAJ**

S. JACKSON DURAIRAJ
20/05/23
Dr. S. Jackson Durairaj PhD., NET.
Scientist-B/Associate Professor (Research),
Centre for Molecular and Nanomedical Sciences,
International Research Centre,
Sathyabama Institute of Science and Technology,
Jeyapoor Nagar, Rajiv Gandhi Salai, Chennai - 600 093,
Tamil Nadu, India.



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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Accredited with "A" grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600119
Tamil Nadu, India



COL. DR. JEPPIAAR RESEARCH PARK

PROFORMA INVOICE FOR PROJECT/COLLABORATIVE WORK

Center : Center for Laboratory Animal Technology and Research

Date : 01.08.2022

IAEC Approval No. : SU/CLATR/IAEC/XIX/191/2022

Name of the Internal Guide	:	Dr. Thiagarajan Gopal
Designation & E-mail	:	Scientist C; thiyagarjan.clatr@sathyabama.ac.in
Title of the Work/Experiment	:	Human umbilical cord membrane scaffold with autologous chondrocytes for regeneration of defected cartilage
Nature of Work	:	Animal Experimentation
Name of the Investigator	:	Mr. M. Muthuraman
Name of the Supervisor	:	Dr. S. Kumaran, <i>Center for Drug Discovery & Development</i>
Affiliation	:	Sathyabama Institute of Science and Technology
Email id	:	nucleim@gmail.com ; kumarans.cddd@sathyabama.ac.in
Mobile No.	:	+91-9884242964/ +91-9943215332

Details of cost Involved:

S. No.	Component name	Cost in Rs.
1	Animal Purchase with Transportation Charges	24500/-
2	Maintenance Charges (Housing, Feed, etc.)	22000/-
3	Laboratory Charges	10000/-
4	Administrative Charges	3200/-
	Total (Rs.)	59,700/-

(Rupees Fifty Nine Thousand and Seven Hundred Only)

G. domi neen
01/08/22
Scientist In-charge

G. domi neen
01/08/22
Head

B. Shubha Rai
21/8/2022
Director of Research



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COL. DR. JEPPIAAR RESEARCH PARK

PROFORMA INVOICE FOR PROJECT/COLLABORATIVE WORK

Centre : Centre for Laboratory Animal Technology and Research

Date : 26.05.2022

IAEC Approval No. : 003/HCC/IAEC/RPP/2022

Name of the PI	:	Dr. G. Smilin Bell Aseervatham
Designation	:	Assistant Professor
Affiliation	:	Holy Cross College, Trichy
Email id	:	smilinel@gmail.com
Mobile No.	:	8610295713
Nature of Work	:	Animal Experimentation
Title of the Work/Experiment	:	Evaluation of polyherbal formulation for hair growth potential in Rat as animal model
Name of the Internal Guide	:	Dr. Sankar Ganesh Devaraj

Details of cost Involved:

S. No.	Component name	Cost in Rs.
1	Animal Charges with transportation charges	9000/-
2	Maintenance Charges (Housing, Feed, etc.)	16875/-
3	Laboratory Charges	2250/-
4	Administrative Charges	1912/-
	Total (Rs.)	30,037/-

(Rupees Thirty thousand and thirty seven only)

G. Smilin Bell
26/5/2022
Scientist In-charge

G. Smilin Bell
26/5/2022
Head

B. Shulaka
26/5/2022
Director of Research



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Tamil Nadu, India



COL. DR. JEPPIAAR RESEARCH PARK

PROFORMA INVOICE FOR PROJECT/COLLABORATIVE WORK

Centre : Centre for Laboratory Animal Technology and Research

Date : 26.05.2022

IAEC Approval No. : SU/CLATR/IAEC/XIX/194/2022

Name of the Investigators	:	Dr. N. Ayyadurai
Designation	:	Principal Scientist
Affiliation	:	CSIR-Central Leather Research Institute
Email id	:	ayyadurai@gmail.com
Mobile No.	:	9566715100
Nature of Work	:	Animal Experimentation
Title of the Work/Experiment	:	Ex vivo evaluation of the thrombogenic nature of anticoagulant protein coated cardiac stent material
Name of the Internal Guide	:	Dr. Sankar Ganesh Devaraj, Scientist 'D' and Head

Details of cost Involved:

S. No.	Component name	Cost in Rs.
1	Animal Charges with transportation charges	12000/-
2	Maintenance Charges (Housing, Feed, etc.)	3360/-
3	Laboratory Charges	12000/-
4	Administrative Charges	1689/-
	Total (Rs.)	29,049/-

(Rupees Twenty nine thousand and forty nine only)

[Signature]
Scientist In-charge

[Signature]
Head

[Signature]
Director of Research



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Tamil Nadu, India



COL. DR. JEPPIAAR RESEARCH PARK

PROFORMA INVOICE FOR PROJECT/COLLABORATIVE WORK

Centre : Centre for Laboratory Animal Technology and Research

Date : 20.01.2023

IAEC. No. : SVCOP/IAEC/014/2021-2022

Name of the PI	:	Ms. S. Prathibha
Designation	:	Research Scholar
Name of the Internal Guide	:	Dr. Thiagarajan Gopal
Affiliation	:	B.S. Abdur Rahman College of Science and Technology
Email id	:	prathi.10@gmail.com
Mobile No.	:	7708005758
Nature of Work	:	Animal Experimentation
Title of the Work/Experiment	:	Toxicological and anti-tumor activity of 3-(2-(3,4-dimethoxyphenyl)-2 oxoethylidene)indolin-2-one (Raji) on triple negative brast cancer (TNBC) model in Balb-c mice

Details of cost Involved:

S. No.	Experiment	Cost(Rs)
1	Animal Charges (9 Mice)	3150
2	Maintenance Charges	2500
3	Laboratory Charges	2000
4	Administrative Charges	860
	Total (Rs.)	8510/- *

[Signature]
Scientist In-charge

[Signature]
Centre In-charge

[Signature]
Director of Research

* Not received yet

Received Rs 8510/-
in
DRA/c. Statement no
3263
[Signature]

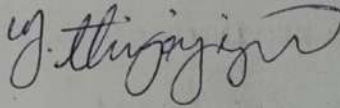
DR No. 3263
Dt. 6/2/2023
Rs 8510/-
B. Shubhi
15/2/2023

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
CENTRE FOR LABORATORY ANIMAL TECHNOLOGY AND RESEARCH

Animal Experiment

S. No.	Institute	Statement Number	Date	Amount Rs.
1	B.S. Abdur Rahaman Crescent Institute	3263	06.02.2023	8510
Total (Rs.)				8510

Staff Signature

: 

Centre In-charge signature :





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INSTITUTE OF SCIENCE AND TECHNOLOGY
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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600119
Tamil Nadu, India



COL. DR. JEPPIAAR RESEARCH PARK

PROFORMA INVOICE FOR PROJECT/COLLABORATIVE WORK

Centre : Centre for Laboratory Animal Technology and Research

Date : 06.01.2023

IAEC. No. : SU/CLATR/IAEC/XX/198/2022

Name of the PI	:	Dr. S. Jhonson Retnaraj Samuel
Designation	:	Scientist D
Name of the Internal Guide	:	Dr. D. Saravanan
Affiliation	:	Sathyabama Institute of Science and Technology
Email id	:	johnnbt@sathyabama.ac.in
Mobile No.	:	8012261482
Nature of Work	:	Animal Experimentation
Title of the Work/Experiment	:	Evaluation of lactogenic activity and other postpartum medicinal benefits of Marunthu Kulambu

Details of cost Involved:

S. No.	Experiment	Cost(Rs)
1	Animal Charges (30 Rats)	18000
2	Maintenance Charges	9750
3	Laboratory Charges	3000
4	Administrative Charges	3075
	Total (Rs.)	33,825/- *


Scientist In-charge


Centre In-charge


Director of Research

* Amount yet to be received.

The required amount is DST SHRI project
available in his file
24/1/23.

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY

Co. Dr. JEPPIAAR RESEARCH PARK

Centre for Laboratory Animal Technology and Research

Animal study amount

S. No.	Particulars	Statement Number	Date	Amount Rs.
1	Animal study (Ms. S. Jamuna)	3557	25.04.2023	28,710
Total (Rs.)				28,710

By. [Signature]
09/05/2023

[Signature]
09/05/23

paid
[Signature]
9/5/2023



Glass Tank <glasstank22@gmail.com>

Notification of Account Transaction

U.S. Bank Notification <notificationsservice@usbank.com>

Tue, May 2, 2023 at 7:42 PM

To: glasstank22@gmail.com

Rs. 77,000 as per the exchange date of May 2, 2023 @81.77 per USD minus the transaction fees

At the request of our customer, UNIVERSITY OF WISCONSIN SYSTEM, we are providing you notification that a wire transfer in the amount of \$990.37 has been processed by UNIVERSITY OF WISCONSIN SYSTEM and will post to your account on May 04, 2023. If you have any questions regarding this transaction, please contact UNIVERSITY OF WISCONSIN SYSTEM.

Please do not respond to this message.

You are receiving this message as a courtesy at the request of the U.S. Bank customer above. If you no longer wish to receive this notification, or if you need to change your email address, please contact the customer listed above. We will never send you an email asking for personal information. View the U.S. Bank Privacy Pledge: <http://www.usbank.com/privacy>. Learn more at <http://www.usbank.com>.

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U.S. Bank National Association Member FDIC
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U.S. BANCORP made the following annotations

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Name of Project	Name of the Industry/ Organization	Fund generated as of Date	Year	
			From	To
Rocket Connector and CO2 cart support	Space Zone India	5000	06.12.2022	07.12.2022
ASTM Models	Indian Maritime University, Chennai	3000	20.02.2023	22.02.2023



SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)

MAKERSPACE, Sathyabama Centre for Advanced studies

Requisition form for Design Lab Utility / 3D printing facility

[NOTE: Kindly send your model file to makerspace@sathyabama.ac.in]

Name : N. NAVEEN KUMAR, COIAB (SZI) Date: 07/12/22
Designation : STUDENT Bill No: /SPACE ZONE INDIA
Department : BE. CSE
Name of University/Institution/Industries : SATHYABAMA UNIVERSITY
Email ID & Contact Number : (naveenofrafi321@gmail.com) (anand@spacezoneindia.com)
9176749083 7904992078
Name of the object : 2 (ROCKET CONNECTOR & CO2 CART SUPPORT)
Number of object(s) : 2
Printer : Stratasys F370/ Stratasys Dentajet J5/
Makerbot Replicator +/- Makerbot Z18
Materials to be used : ABS
Duration of the print : 8 hours
Post processing required : Yes/ No
Total Amount : ₹5,000
Payment Mode : DD/Cash
If DD, Name of the Bank/ DD number & Date :

Signature of the Guide/Head

Naveen Kumar N
Signature of the User

FOR OFFICE USE

Name of the Operator:

Date Completed:

Signature of the Operator:.....

Forwarded by:

Contact: 99442 38896, 73394 10799, 96770 72968 Email: makerspace@sathyabama.ac.in

S. M. S.
18/12/22



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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Accredited with 'A' grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.



Centre for Nanoscience & Nanotechnology

Consultancy fee Receipt

No. 1872

Date: 8/12/22

We received with thanks from **SPACE ZONE INDIA**

of **Chennai**

a sum of Rs. **5000/-** (In Words **Five Thousand**

only only) towards analyzing the samples XRD/

EDAX/FESEM/AFM/Epi.Mic./SONICATOR /RF/ DC/ UV Thickness/ Coatings

/ Thickness/ Stress/ Roughness/ Polishing/ Cutting/ Ball Mill/ Optical Microscope

Raman Spec./Tribo Meter/ Corossion at Centre for Nanoscience and Technology,

Sathyabama University, Chennai -119

Makerspace - 8 hrs.

No. of Samples: **2 Rocket connector & CO₂ cart support.**

Rs. **5000/-**

Dr.T.SASIPRABA, M.E., Ph.D.,
VICE CHANCELLOR

SATHYABAMA
Authorized Signatory

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai- 600 119.



SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University)
MAKERSPACE, Sathyabama Centre for Advanced studies

Requisition form for Design Lab Utility / 3D printing facility

[NOTE: Kindly send your model file to makerspace@sathyabama.ac.in]

Name : TOTA RAKESH KUMAR Date: 22-02-23
Designation : ASSISTANT PROFESSOR Bill No: 2048
Department : MACHINE ENGINEERING DEPARTMENT
Name of University/Institution/Industries : INDIAN MARITIME UNIVERSITY, CHENNAI
Email ID & Contact Number : TOTARAKESH.K@IMU-AC-IN
Name of the object : PLA/PET
Number of object(s) : ASTM D638, ISO 527-1A, ASTM D445
Printer : Stratasys F370/ Stratasys Dentajet J5/ (25 SAMPLES)
Makerbot Replicator +/- Makerbot Z18 ✓
Materials to be used : PLA/PET
Duration of the print : -
Post processing required : Yes/ No ✓
Total Amount : 3000/- (THREE THOUSAND RUPEES ONLY)
Payment Mode : DD/Cash ✓
If DD, Name of the Bank/ DD number & Date :

Signature of the Guide/Head

[Signature] 22/2/23
Signature of the User

FOR OFFICE USE

Name of the Operator:

Date Completed:

Signature of the Operator:.....

Forwarded by:

Contact: 99442 38896, 73394 10799, 96770 72968 **Email:** makerspace@sathyabama.ac.in

Dr. T. SASIPRABA, M.E., Ph.D.,
VICE CHANCELLOR
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
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Chennai - 600 119.

Personnel Copy



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.



Centre for Nanoscience & Nanotechnology

Consultancy fee Receipt

No. 2048

Date: 22.2.23

We received with thanks from Tota Rakesh Kumar
of Indian Maritime University, Chennai

a sum of Rs. 3000/- (In Words Three thousand only
only) towards analyzing the samples XRD/

EDAX/FESEM/EDAX/HRSTEM/SAED/AFM/RAMAN/Epi.Mic./SONICATOR

/RF/ DC Sputtering/Evaporation/ UV Thickness/ Coatings / Thickness/ Stress/

Roughness/ Polishing/ Cutting/ Ball Mill/ Optical Microscope /Tribo Meter/

/Corrosion/FTIR/UV-Vis/Hall Effect at Centre for Nano science and Technology,

Sathyabama Institute of Science and Technology, Chennai -119.

(ASTM D638

No. of Samples: 25 (250gm)

Rs. 3000/-

Dr. T. SASIPRABA, M.E., Ph.D.,
VICE CHANCELLOR

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Authorized Signatory

Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119.

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ENGINE RESEARCH TESTING CENTRE

sl no	TASK NO	DATE	NAME	REG NO	COLLEGE	NO OF SAMPLES	DD DETAILS	AMT
1	TS194	09-06-2022	D DIVYA CHANDRIKA	2019194118	MECH-SIST	9	420182-IB-09-09-2022	10800
2	TS195	09-09-2022	D.JAGAN	39450019	MECH-SIST	4	420185-IB-09-09-2022	14400
			J.PRAVEENKUMAR	39450032				
3	TS196	09-09-2022	N.MOHANRAJ	39450027	MECH-SIST	4		
			D.PURUSHOTHAMAN	39450035				
4	TS197	09-09-2022	M.SURESH	39450054	MECH-SIST	4		
			R.MADHANRAJ	39450026				
5	TS198	17-10-2022	J.JEFFIN SAM DAVID	39150054	MECH-SIST	4	009124-HDFC-12-10-2022	5000
			S.S.RATTAN	39150110				
6	TS199	28-10-2022	GEORGE A	39150043	MECH-SIST	4	371029-SBI-28-10-2022	4800
			KAUSHIK SUBBAH GANESAN	39150065				
7	TS200	28-02-2023	RAHUL.R	39150104	MECH-SIST	3	420800-IB-28-02-2023	3600
			SABBHARISHI.V	39150112				
8	TS201	03-01-2023	N.MANEESH	39150080	MECH-SIST	3	420497-IB-01-03-2023	3600
			I.ROHITH	39150111				

9	TS202	13-03-2023	CH.SATYA AVINASH VARMA	39150023	MECH-SIST	3	420521-IB-13-03-2023	8400
			B.SAKETH SAI BHAGAVAN	39150014				
10	TS203	13-03-2023	E.GOWTHAM	39150039	MECH-SIST	4	420521-IB-13-03-2023	8400
			M.AVINASH	39150076				
11	TS204	15-03-2023	EDWIN KISHORE J	39150040	MECH - SIST	3	420526-IB-16-03-2023	3600
			S VISHAL	39150134				
12	TS205	17-03-2023	DADI AVANTH KUMAR	39150028	MECH-SIST	3	420528-IB-17-03-2023	3600
			KAIPA SAI VISHNU CHARAN	39150061				
13	TS206	17-03-2023	RAMASAMY S	411118052	MECH -NITT	2	420530-IB-17-03-2023	2400
14	TS207	23-03-2023	V.KARTHIK	39150128	MECH-SIST	4	420538-IB-23-03-2023	8400
			L.BHUVANESWAR REDDY	39150070				
15	TS208	23-03-2023	P. CHANDU SITARAM	39150709	MECH-SIST	3	420538-IB-23-03-2023	8400
			P.M.N. SUDHIR	39150702				
16	TS209	28-03-2023	J KISHOR KUMAR	39150068	MECH-SIST	5	420551-IB-28-03-2023	6000
			G SUSHIL	39150126				
17	TS210	30-03-2023	RAJKUMAR.R	39150105	MECH-SIST	4	420559-IB-30-03-2023	4800
			SANTHOSH.G	39150701				
18	TS211	30-03-2023	DHARUN.K	39150032	MECH-SIST	3	420584-IB-30-03-2023	3600
			SANCHIT KUMAR.T	39150115				
19	TS212	31-03-2023	MANEESWARI T	41810011	M.TECH(BIOTECH)-SIST	1	420606-IB-13-04-2023	4800

20	TS213	31-03-2023	JEMILSON.J	39150055	MECH SIST	3		
21	TS214	04-12-2023	E.EZHILARASAN	4.22219E+11		3	420980-IB-12-04-2023	3600
			R.ARULJOTHI	4.22219E+11	MECH-SGI			
22	TS215	20/04/2023	Nanda vardhan.C	39150026		3	420626-IB-25-04-2023	3600
			Ananth.M	39150006	MECH-SIST			
23	TS216	21-04-2023	MASAN A	7.32719E+11	AGRI-SSCET	4	420614-IB-21-04-2023	4800
24	TS217	25-04-2023	VEERA TEJA J	39150049	MECH-SIST	4	420627-IB-25-04-2023	4800
TOTAL								1,04,600

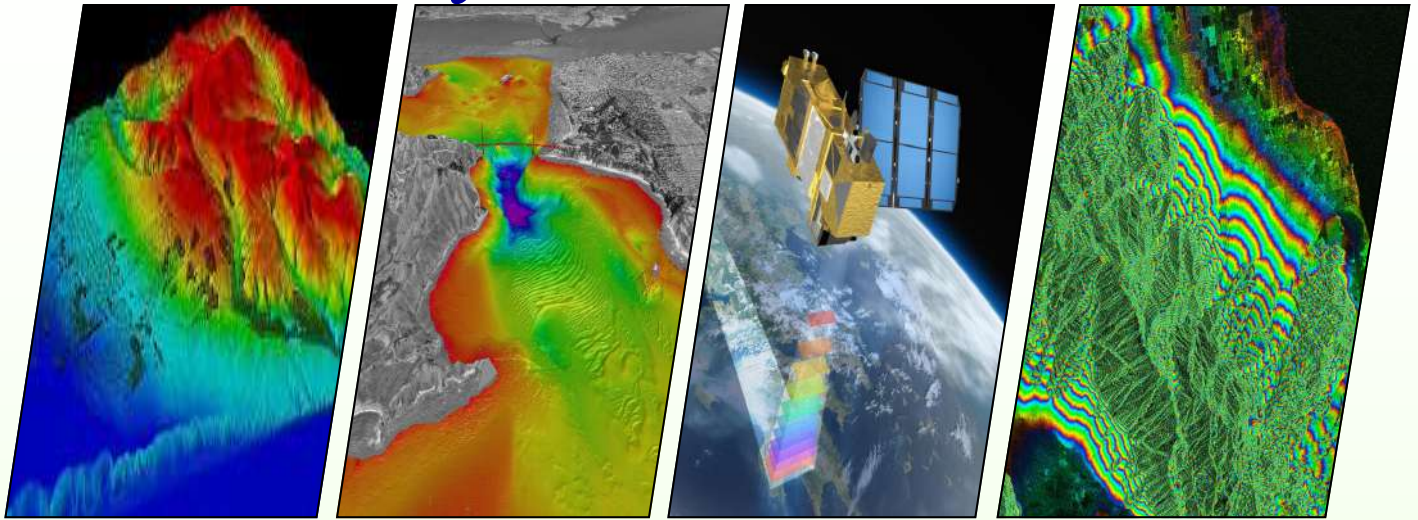


S.GANESAN
ENGINE RESEARCH TESTING CENTRE



HOD (MECH. ENGG.)

Information Brochure



5 Days Weekend Capacity Building Training Programme on **REMOTE SENSING AND GIS** 15th October to 19th November 2022

Patrons

Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Mr. J. Arul Selvan, Vice President
Mrs. Maria Bernadette Tamilarasi, Vice President
Ms. Maria Catherine Jayapriya, Vice-President
Dr. T. Sasipraba, Vice-Chancellor

Organizing Secretary

Dr. B. Sheela Rani, Director (Research).

Coordinators

Dr. T. Sasikala,
Dean, School of Computing, SIST.
Dr. L. Lakshmanan,
Head, Dept. of CSE, SIST.
Dr. S. Vigneshwari
Head, Dept. of CSE, SIST.

Conveners

Dr. K. Nagamani, Scientist / Head, CRSG, SIST.
Dr. B. Prabhu Dass Batvari, Scientist / Head, CEAS, SIST.
Dr. P. Sardar Maran, Associate Professor, CSE, SIST.
Dr. S. Packialakshmi, Associate Professor, Civil Dept., SIST.

Co-Conveners

Dr. Marykutty Abraham, Scientist, CRSG, SIST.
Dr. P. Mohana, Scientist, CRSG, SIST.
Dr. M. Roja Raman, Scientist, CRSG, SIST.
Dr. P. M. Velmurugan, Scientist, CEAS, SIST.
Dr. S. Dhamodaran, Assistant Professor, CSE, SIST.

**Centre for Remote Sensing and Geoinformatics,
Centre for Earth and Atmospheric Sciences
Department of Computer Science and Engineering
Department of Civil Engineering**



**Sathyabama
Institute of Science and Technology**

(Established under Section 3 of the UGC Act, 1956)
Category 'A' University by MHRD, Govt. of India
Jeppiaar Nagar, Rajiv Gandhi Road,
Chennai- 600119.

About Sathyabama Institute of Science and Technology:

Sathyabama is a prestigious institution which excels in the fields of Engineering, Science and Technology for more than three successful decades. It offers multi-disciplinary academic programmes in various fields of Engineering, Science, Technology, law, Dental Science, Pharmacy, Nursing, Management, Arts and Science and Allied Health Sciences. It is established under Sec.3 of UGC Act, 1956 and is been Accredited with 'A' Grade by the National Accreditation and Assessment council. Sathyabama has been ranked in 40th position by the NIRF among the Universities in India for the year 2021 and ranked one among the top 50 Universities for six consecutive years. Sathyabama is ranked among the Top 5 Institutions in the Country for Innovation by ATAL ranking for Innovation Achievements. TIMES Higher Education and QS has ranked Sathyabama among the top Institutions worldwide. It is a research intensive University with world class laboratories and research facilities and has undertaken various sponsored and collaborative R&D projects funded by National and International Organisations. Sathyabama has written a special page in the history of space research in June 2016 with the launch of "SATHYABAMASAT" in association with ISRO. Visit us on : <https://www.sathyabama.ac.in>.

Centre for Remote Sensing and Geoinformatics

Centre for Remote Sensing and Geoinformatics (CRSG) is the first research centre managed by Sathyabama Institute of Science and Technology to focus on Advanced Remote Sensing and GIS applications in interdisciplinary aspect. Centre has been established in 2004 as a joint initiative of ISRO and Sathyabama Institute to fulfil the goal of establishing advanced centres in frontier areas of Science and Technology. To its credit CRSG was considered as a nodal centre for conducting Geospatial training programme supported by ISRO-IIRS, and various training programs supported by Department of Science and Technology (DST)-NRDMS program, Ministry of Earth Sciences (MoES), Science and Engineering Research Board (SERB) and ISRO-Respond. Centre has successfully completed many research projects funded by various agencies and research organisations like, DST, Bharatiya Nabikiya Vidyut Nigam Ltd. (DAE-BHAVINI), National Institute of Wind Energy (NIWE), SERB, ISRO, and MoES. Visit us on: <http://www.su-crsg.org>.

About the Training:

This training programme provides excellent infrastructure experienced manpower adequate software and hardware that provides an offer for an unique opportunity for participants to learn basics of Remote Sensing, GIS and GPS. Programme is devised to accommodate both lecture schedules and individual hands on /lab sessions focussing on the basic modules of Remote Sensing, GIS, Cartography and GPS. Open source software that include QGIS, and SAGA will be trained to students on modules like Image Processing and classification. Participants are encouraged to make use of this opportunity to get certified from our Centre. As this certification holds good in getting additional benefits for job opportunities. In addition applications on various fields that include Agriculture, Environment studies, Water Resource Management, Coastal Wetland Management, Urban Planning and Climate studies will be handled by a team of skilled Scientists from Centre for Remote Sensing and Geo-informatics.

Duration : 5 days weekend (Saturdays Only, Lecture - 11 hrs, Lab– 18 hrs)

Participants : UG & PG Students

(B.E. & M.E., CSE/CIVIL)

Registration Fees : Internal students: Rs. 500/-

External students Rs. 1000/-

Topics to be Covered

Course titles	Modules
Introduction to Remote sensing	Stages of Remote Sensing, electromagnetic spectrum, EMR interaction with atmosphere, Platform characteristics, Orbit types and its importance, Active and Passive Sensors, Resolution and its types, Indian imaging systems.
Principles of GIS	GIS introduction, Components of GIS, Source of GIS data, Capturing GIS data, GIS data models, Map projections, Data integration, buffer analysis, overlay analysis, DEM, Terrain analysis, Applications. Basic elements of graphic design and communication are reviewed to ensure that output from GIS is comprehensible and effective.
Basics of GPS	GPS introduction, concepts, GPS Segments, GPS functions, Applications of GPS, types of GPS, Connecting and Navigating with GPS, GPS and GIS integration, Editing and exporting the data into GIS environment.
Platforms sensors of remote sensing and data products	Platforms sensors of remote sensing,- Stages of remote sensing, platforms - ground, air, space, altitude, types of orbits- geostationary, polar, sensor- passive, active, imaging, non imaging, RADAR, LIDAR, Scanner, satellite data products
Visual Image Interpretation and digital Image Processing	Image Interpretation, keys and elements, pattern recognition and feature extraction, Principles of Image processing, Digital Image formats, Image rectification and restoration, Image enhancement, Image classification and processing
Basic of Cartography	History of Cartography, Definition, Concepts of Cartography, Method of mapping and characteristics, Maps and types, Principal of cartographic, Shape of the Earth, Geographic Coordinates, Map projections, Scale, Projection System of India and Survey of India topographical maps, Map Design and Symbolization, Map content, design and implementation, Pattern creation; feature attributes, point, line, areas and volumes, Qualitative and Quantitative symbols, Thematic Mapping, Layout and Display, Map elements, typography and lettering; portraying land surface form
Drought and Floods in Changing Climate	Changes in precipitation extremes under global warming; Cloud burst and flash flooding; Different droughts and drought indices; Adaptation actions Estimation of Rainfall from Satellite Remote Sensing: Importance of Rainfall estimates; Limitations of Conventional tools; Rainfall estimates from IR/VIS observations; Rainfall observation from Microwave sensors; Synergistic use of multi satellite sensors for Rainfall Monitoring.
Application of Remote Sensing and GIS in Agriculture	Nature of field crops, pulses and plantation crops. Importance of Remote Sensing, crop type classification, crop condition assessment through Satellite data and by field measurements, Vegetation indices and its importance on crop growth, Crop yield estimation for short term and long term, change detection, Mapping soil characteristics, Land suitability analysis.
Remote Sensing and GIS application in Coastal regions	Coastal regions with remote sensing observations. The remote sensing related part covers remote sensing methods for processing and interpreting remote sensing data regarding coastal issues. The potential and limitations of remote sensing data are addressed with special emphasis on qualitative (i.e. visual) and quantitative interpretation methods.
RS and GIS application on Environmental Studies	Introduction on environment, sources of pollution, pollution on soil, water and air, Assessment of pollution , spatial variability , classification of pollution levels, reduction scenarios
RS and GIS application on Water Resource Management	Spectral signature of earth features –Vegetation, Soil, Water, Man-made structures Spectral signatures - Digital interpretation Handling of spatial and attribute data in GIS Application areas of Remote Sensing in Water Resources Engineering Irrigation Engineering Hydrology Reservoir sedimentation Flood monitoring Water Resources Project Planning Application areas of GIS in Water Resources Engineering Project planning for a storage structure

Registration Link: <https://forms.gle/d2XspEBzo4a5EAWj7>

Fees: Internal Students Rs. 500/-

External Students: Rs. 1000/-Payment. Account Details

Account No. 6569293542, Bank: Indian Bank, Branch:

Sathyabama University , IFSC Code: IDIB000S201,

Account holder: Director Research -Sathyabama Institute of Science and Technology

Note:It is mandatory to include candidate name , Mention weekend Program

PROGRAM SCHEDULE

Day	Lecture				Hands on		Hands on
	9.30-10.15	10.30-11.15	11.15-12.00	10.15-10.30	12.00-12.45	12.45-01.30	
Day1	Introduction to Remote Sensing	Principals of GIS	Basics of GPS	THEATR E	Familiarization with QGIS and Image interpretation	Georeferencing (Satellite Image & Toposheets)	LUNCH
Day2	Platforms, sensors for remote sensing	Cartography	Drought and flood in changing climate		Projection & interpolation	Mosaicking and subsetting	
Day3	Visual interpretation techniques and digital image processing	RS and GIS application in Water Resources	RS and GIS application in Agriculture		Unsupervised classification	Supervised classification	
Day4	RS and GIS application in Environmental studies		RS and GIS application in Coastal Region		Estimation of Rainfall from Satellite Remote Sensing	Estimation of Rainfall from Satellite Remote Sensing	
Day5	QGIS Module analysis	QGIS Module analysis	Feedback from Participants		QGIS Module analysis	Mini Project	



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Col.Dr.Jeppiaar Research Park

Centre for Remote Sensing and Geoinformatics

Convener : Dr. K.Nagamani

**ProgrammeTitle : 5 Days Weekend Capacity Building Training Programme on
REMOTE SENSING AND GIS**

Date : 15th October to 19th November 2022

**Registration Fee : External Participants Rs.1000/- In-house Participants:
Rs.500/-**

Total no of participants: 22(Internal: 20 , External: 2)

Amount generated : $(1000 \times 2 = 2000 + 500 \times 20 = 10,000)$ 12,000/-

S.No.	Name of the Participants	Department	Institution/College/University
1	Mr.Rayaan Faiz	DATA SCIENCE AND BUSINESS SYSTEMS	SRM Institute of Science and Technology, KTR
2	Mr. Akshat Goenka	DSBS	SRM University of Science and Technology
3	Ms.Brithicksha.D	CSE	Sathyabama Institute of Science and Technology
4	Ms.Avandhikasri M	Computer Science	Sathyabama Institute of Science and Technology
5	Shashank Patoju	CSE	Sathyabama Institute of Science and Technology
6	Ameen Abdul Rasheed	BE Civil	Sathyabama Institute of Science and Technology
7	Dinesh.M	Civil engineering	Sathyabama Institute of Science and Technology
8	S.Thayanithi	Thayanithi . S	Sathyabama Institute of Science and Technology
9	Ms. Gopika P	Cse	Sathyabama Institute of Science and Technology
10	Ms. HARSHINI K A	Harshini K A	Sathyabama Institute of Science and Technology
11	Ms Humritha K	CSE	Sathyabama Institute of Science and Technology
12	MS.Hamsavarthini E	CSE	Sathyabama Institute of Science and Technology
13	Ms. Percy Paulin J	M.E CSE	Sathyabama Institute of Science and Technology
14	Ms.S.initha	computer science	Sathyabama Institute of Science and Technology
15	Nandini.Challagundla	BE-CSE	Sathyabama Institute of Science and Technology
16	Boppana Yaswanth Raj	Cse	Sathyabama Institute of Science and Technology
17	Bobbala Anvitha	Be computer science	Sathyabama Institute of Science and Technology
18	Ms. Rishita Nayak	School of Computing	Sathyabama Institute of Science and Technology
19	Bonthala Manasa	CSE - core	Sathyabama Institute of Science and Technology
20	Brahmadani Danish	CSE	Sathyabama Institute of Science and Technology
21	Krishnan Kishore	CSE	Sathyabama Institute of Science and Technology
22	Mr.Kiran Raj	BE.civil	Sathyabama Institute of Science and Technology



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.

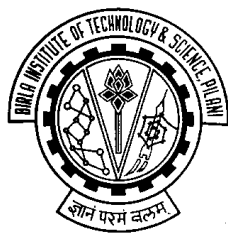
The honorarium would be paid at the end of the semester, deducting the tax at source. TDS certificate reflecting the tax deducted at source would be given at the end of the financial year.

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

Multilocation

Dec. 5, 2022

To

Name: **R. AROUL CANESSANE**

Course(s): DSECLZG628T-DSECLZG628T - Dissertation

Semester: 2022-23 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 - WILP

BITS, Pilani



Birla Institute of Technology & Science

Work Integrated Learning Programmes Division

Pilani - 333 031 (Rajasthan) India

Bangalore

Date: Dec. 22, 2022

To,

R. AROUL CANESSANE

Course(s) Offered: SSWTZG514 - OBJECT ORIENTED ANAL & DESIGN

Semester: 2022-23 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.

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:**

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Yours Sincerely,

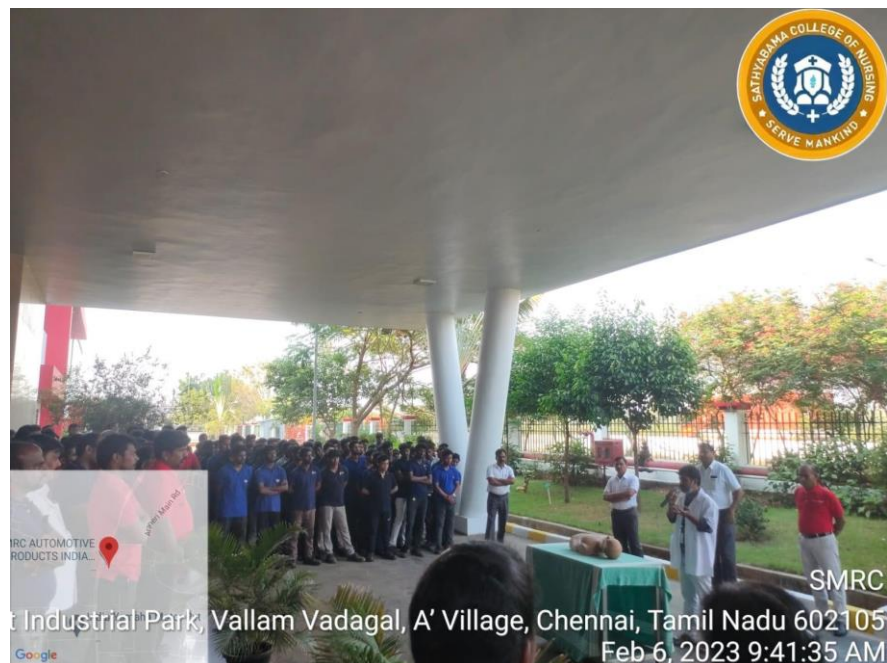
Dean - WILP

BITS Pilani

SATHYABAMA COLLEGE OF NURSING

3.5.2 PROOF

1. First Aid and Cardio Pulmonary Resuscitation Training- **SMRC**



2. First Aid and Cardio Pulmonary Resuscitation Training- **ITD Cementation India Limited**



3. First Aid and Cardio Pulmonary Resuscitation Training- Amalgamations Valeo Clutch Private Limited



4. First Aid and Cardio Pulmonary Resuscitation Training- Amalgamations Valeo Clutch Private Limited



5. First Aid and Cardio Pulmonary Resuscitation Training- **APEX Structure PVT.LTD.**





SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

School of Science and Humanities

Department of Physics

Academic Year – 2022 – 2023

3.5.2 Revenue generated from consultancy and corporate training – 2022- 2023

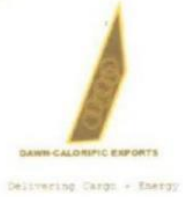
S.No.	Name of the Consultant	Name of the consultancy project	Consulting/Sponsoring agency with contact details	Year	Revenue generated (INR in Lakhs)
1.	Dawn Calorific PVT LTD	The simulation, fabrication and analysis of mechanical properties for durable and ductile novel perovskite phase metal oxide materials	Dawn Calorific PVT LTD, dawn-calorific@hotmail.com, Ph. 6381195238	2023	Rs. 18000

29/13, D. No: 7, Swathi Apts, Jaishankar St, West Mambalam, Chennai, 600033, TN, India
+91 6381195238; +91 7358442330; +91 8610444614; support@dawn-calorific.com
dawn-calorific@hotmail.com; dawn.calorific@gmail.com; www.dawn-calorificexports.com

Registered in Chennai, Tamil Nadu, India

DAWN – CALORIFIC EXPORTS

Supply Chain Exporter & Intermodal Transporter



To

17 March 2023

Dr D S JAYALAKSHMI
Assistant Professor
Department of Physics
Sathyabama Institute of Science and Technology (deemed to be University)
Chennai- 600 119

Dear Madam,

Sub: Consultancy Project acceptance and Sanction order -reg no: DCE-RDC-5400135

As followed by our collaborative research work, We have accepted your project entitled
"The simulation, fabrication and analysis of mechanical properties for durable and ductile novel
perovskite phase metal oxide materials"

With reference to the discussion, we are pleased to sanction a sum of Rs.18,000/- (Eighteen
thousand only) and assure you that our team will be helpful in the entire required situation to
complete the project.

The project will be carried forward during the period 10th April 2023 - 12th September 2023

S.No	Requirement	Allotted Budget
1	Chemicals	Rs. 15,000
2	Contingency	Rs. 3,000
	Total	Rs. 18,000

Hope this project will meet technical and innovation and meet the requirement of our organization

Thanking You

Regards,


Venkat Pranesh

Venkat Pranesh B.E, M.Sc (UK)
Business Head and Managing Partner



Company Type : Partnership
I.E.C. (Import Export Code) No : AACFD0507F
G.S.T. (Goods and Service Tax) No : 33AACFD0507F12W
Dun & Bradstreet D-U-N-S No : 85-435-2538





SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

Deemed to be University

ACCREDITED WITH GRADE 'A' BY NAAC | 12B STATUS BY UGC | APPROVED BY AICTE

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600119, TAMILNADU, INDIA



Makerspace @ Sathyabama Centre of Excellence for Additive Manufacturing by Stratasys Sathyabama Centre for Advanced Studies

Organizes

Hands-on Training on 3D Printing

REGISTRATION
₹ 499

For external participants



For Registration

<https://forms.gle/yQADB5jSWsntQV9n7> (or)



PAYMENT MODE: GPAY / PHONEPE / NEFT



11 & 12 Jan 2023



10.00 AM Onwards



Makerspace, Sathyabama Centre for Advanced Studies,
Sathyabama Institute of Science and Technology,
Rajiv Gandhi road (OMR), Semmancheri,
Chennai- 600119, Tamil Nadu .

State of Art Facilities

Dentajet printer is extensively used for dental applications including acrylic orthodontic devices, rigid and opaque implant models, dentures, surgical guides, soft gingival masks, indirect bonding trays, flexible gum tissues, hard materials for teeth and bone, custom impression trays, RPD framework, crown and bridge models, cardiac digital anatomy and orthopaedic digital anatomy applications.



The state of art **F370 printer** is used to fabricate the models in various applications such as aerospace (aircraft interior models, landing gear assistance, miniature models, patterns for sand casting), automotive industries (headlamps housing, dashboard, door handles, brake pads, tyre/wheel rims, gear assistance, composite tooling, injection mold tooling, and production parts) and medical industry (surgery planning, implant prototypes)

The **MakerBot Replicator Z18**, the best price-to-performance ratio in the extra-large, professional 3D printer category. The Z18 combines an extra-large build volume with ease-of-use and connectivity features so that can make extra-large and ultra-tall industrial concept models and prototypes. Think and build bigger than ever. Iterate at a fraction of the cost of industrial 3D printers - with the massive build volume of the Z18, you can print prototypes and parts at a vastly lower cost than industrial 3D printers. Additional features: flexible connectivity, full-featured software, and access to MakerBot support.



The **MakerBot Replicator+** is engineered and tested for reliable, faster printing. The Replicator+ prints high-quality concept models faster, easier, and with a bigger build volume. Combined with MakerBot's powerful workflow tools, the MakerBot Replicator+ streamlines desktop 3D printing for professionals and educators. For greater reliability and precision, it features improved hardware, like a redesigned gantry and z-stage.

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Dr. Gobi Saravanan, Scientist D
Dr. Sony Varghese, Scientist C
Dr. S. Preethi, Scientist C
Mrs. Aruna V, Scientific Assistant

Important Dates

Registration open : 07 Jan 2023
Registration close : 10 Jan 2023
Training Date : 11 & 12 Jan 2023

Transaction mode

Payment mode : Gpay / Phonepe to 96261 63663

For NEFT

Account Name : Dean(Publications & Conferences), Sathyabama Institute of Science and Technology (Deemed to be University)

Account Number : 891734627

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