

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

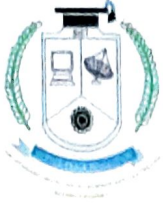
Consultancy Project Report

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!!!

Please 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



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

Fw: Project Proposal Reg

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1A, Nungambakkam High Road, Nungambakkam, Chennai-600034.
Phone: 28263530/40 Telefax: 28263527

Email : sidharth@advantagepro.in

Web : www.advantagepro.in

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

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2 attachments

Project proposal for SIIST.pdf
72K **Pride Advantage Pro_Invoice.pdf**
466K

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

To: [sidharth <sidharth@advantagepro.in>](mailto: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 Mavan J <albert.cse@sathyabama.ac.in>

reply for ref:

From: sidharth@advantagepro.in

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

To: pride.soc@sathvabama.ac.in

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

Subject: Project Proposal Reg

Fri, Nov 19, 2021 at 12:13 AM

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	HOD	Pride Coordinators	Project Coordinators
School of Computing	Dept. of CSE	Project Innovation and Development Centre	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. K. Ashu
2. K. P. P.
3. R. P.

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.

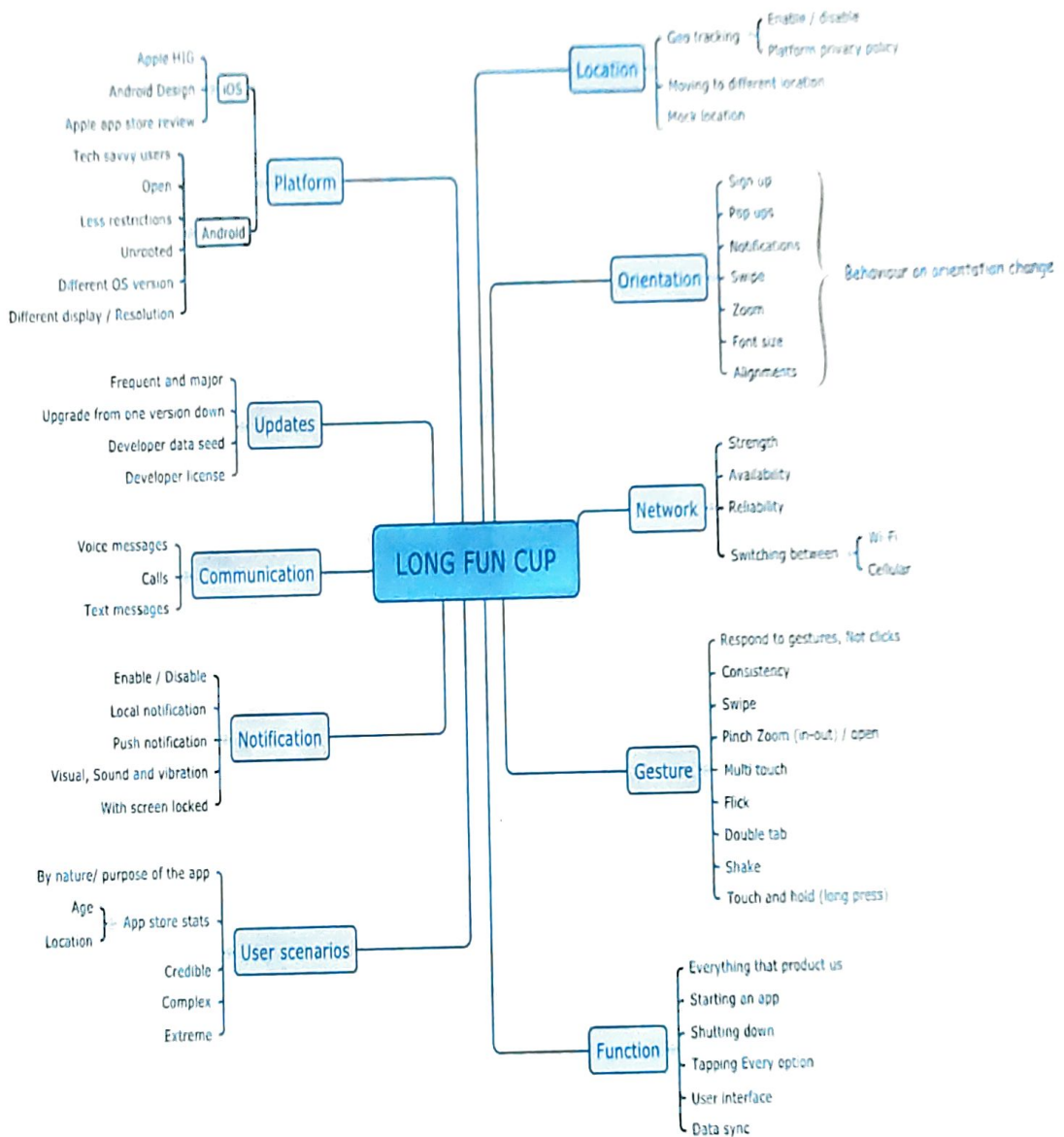
Flutter wasn't designed as a framework specifically for mobile development. It's Google's portable UI toolkit that can be run on a variety of form factors. Because of this, it doesn't have to worry about the constraints that are typically imposed by the mobile platform.

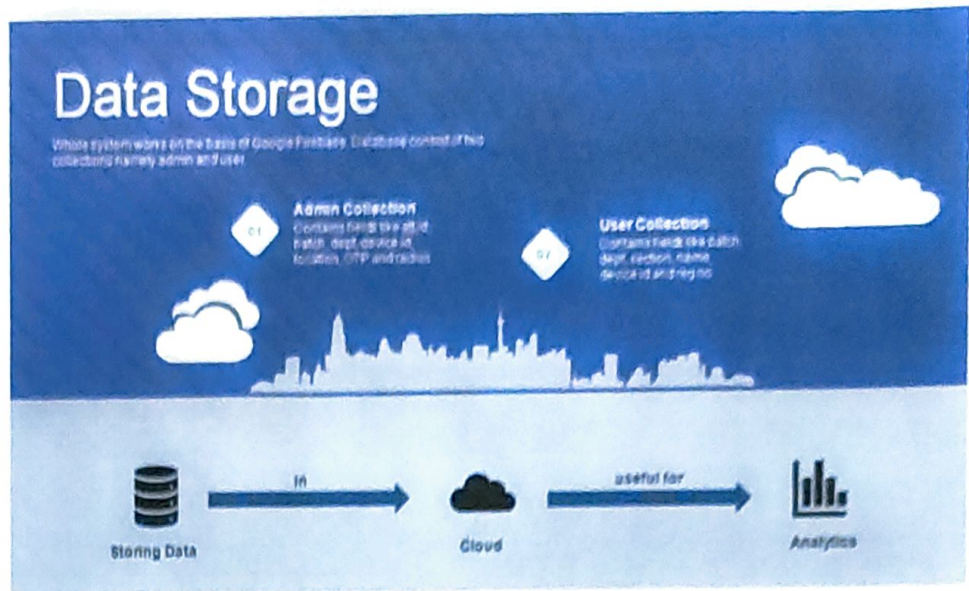
In addition to this, the Dart programming language allows for stateful, hot reloading as you make changes to the code. Android has this functionality if you're making changes to the XML template for a fragment, but if any changes are necessary to rebuild the project, you will need to start from scratch. 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 (
```

```

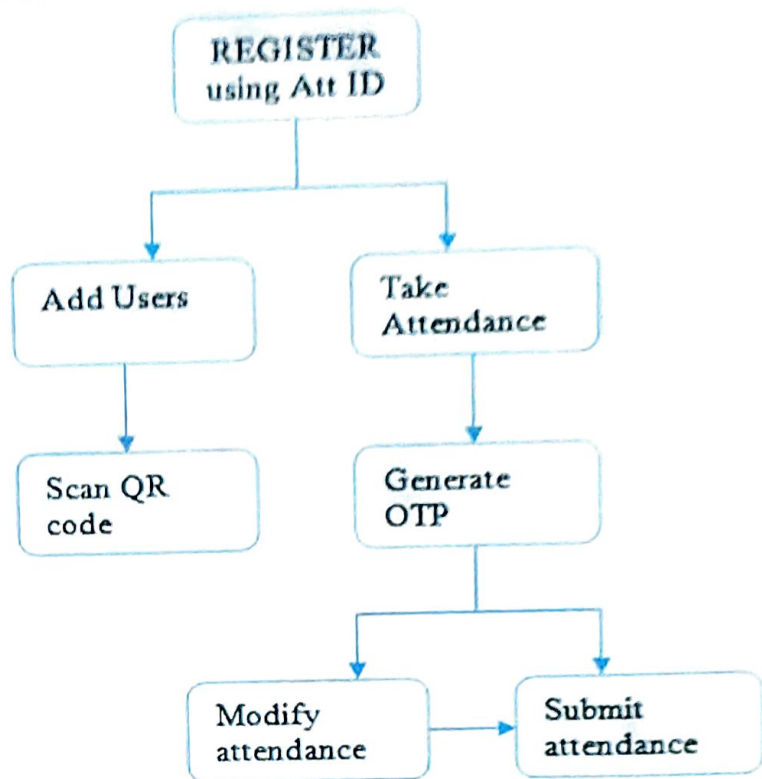
body:
  Column (
    children: [
      Text('This gets drawn on the screen!'), RaisedButton(child: Text('Tap
      me!'), onPressed: () {}),
    ],
  ),
);
}

```

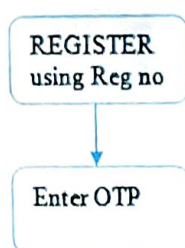
This would in the end draw some text and a button onto the screen. Typical for widget trees is the trailing comma at the end of each line. It's technically not required but can be used in conjunction with your IDEs auto-formatting functionality to structure your code in a highly readable way.

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. 1 Admin 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.

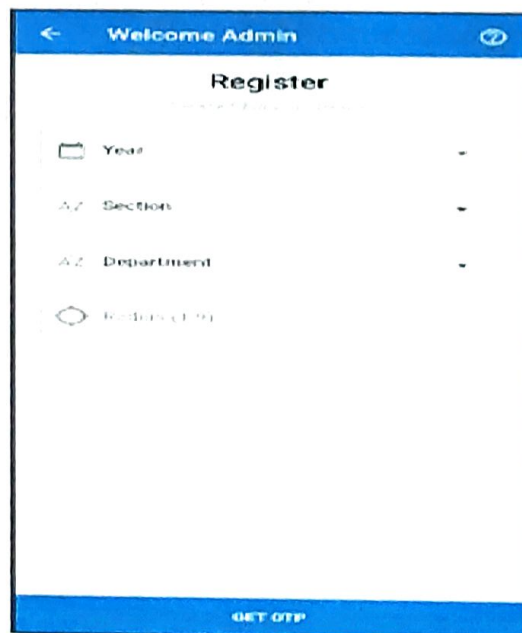
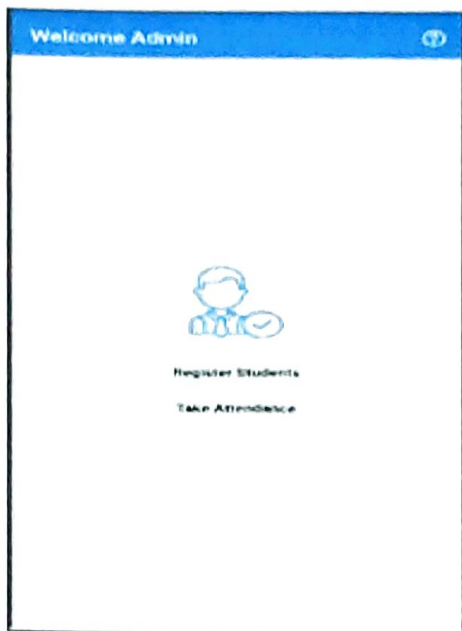
Module 5: OTP Screen (User App)

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.

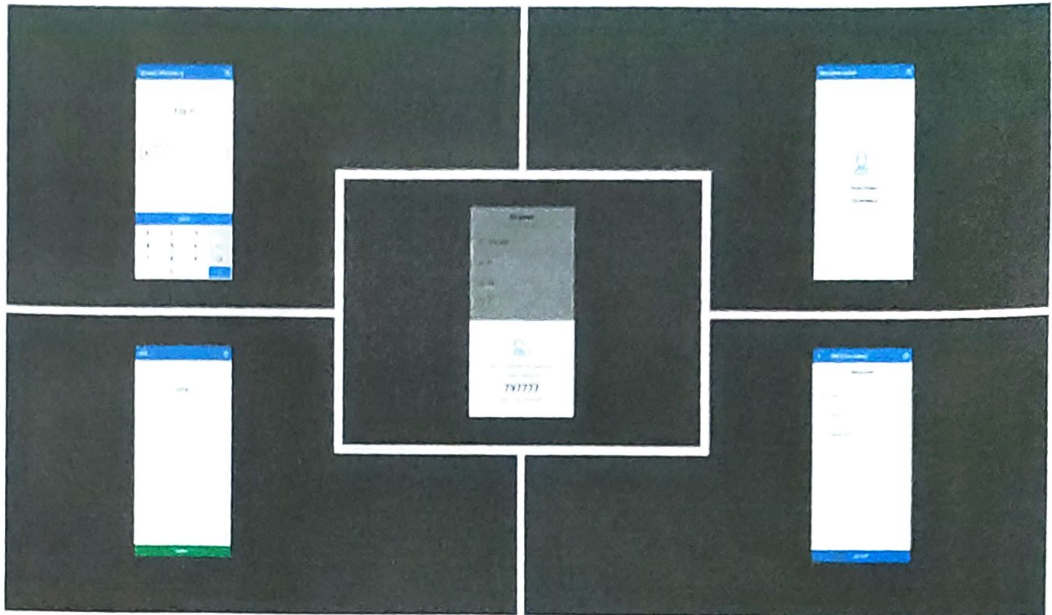
Module 6: Manual Attendance (Admin App)

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

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50Y9mL44e6CSjyFFK9K
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en470P6cS0N5*0Z10ck

+ 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 Name: [Name]

Project: [Project Name]

- 1. [Task 1]
- 2. [Task 2]
- 3. [Task 3]

[Text]

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[Text]

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MO. 40, NUNGAMBAKKAM HIGH ROAD
N H ROAD/CHENNAI-600034 TAMIL NADU

(N.H. ROAD), CHENNAI-600034, TAMIL NADU

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D O W M A Y

Figure 1. Schematic diagram of the experimental setup.

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CA MORT.AGRI

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For VECTRA TECHNOLOGIES PRIVATE LIMITED

References

62 "158592 :1900042009 "1722300"

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

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Make Payment - Transfer to other Bank Account - NEFT

Confirmation - Payment Details

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

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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](#)



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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:

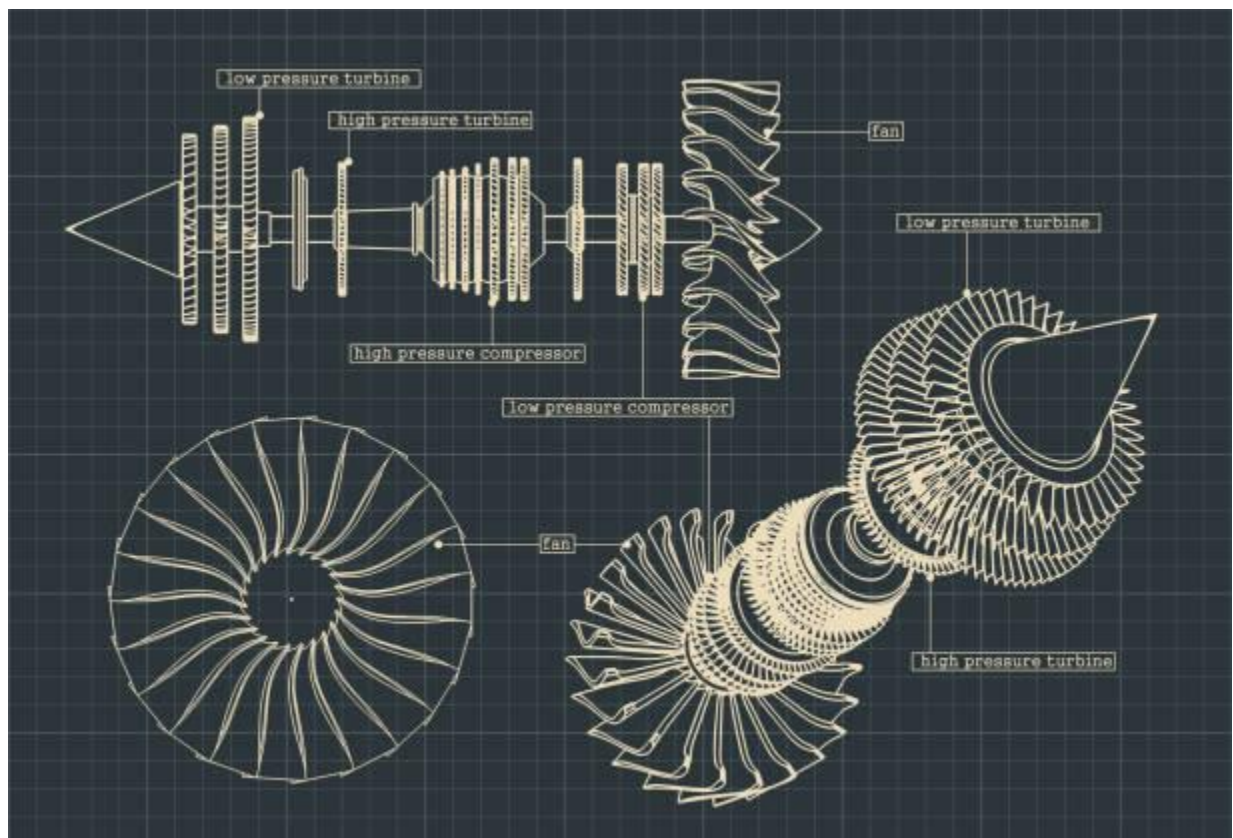
- Dr J. Albert Mayan
- Dr K. Ashok Kumar
- Dr A. Mary Posonia
- Dr B. Bharathi
- Dr B. Ankayarkanni
- Dr S. Revathy
- Dr P. Asha
- Dr A. Christy

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

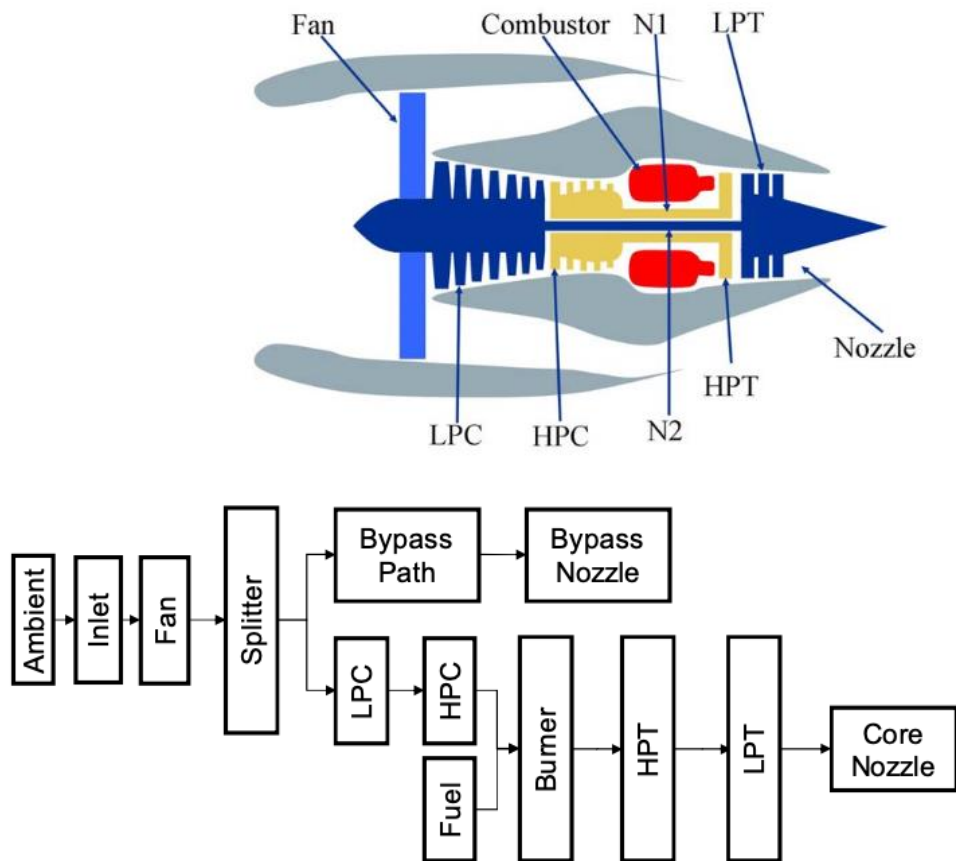


Fig 1. Engine Diagram and Simulation Model

- 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

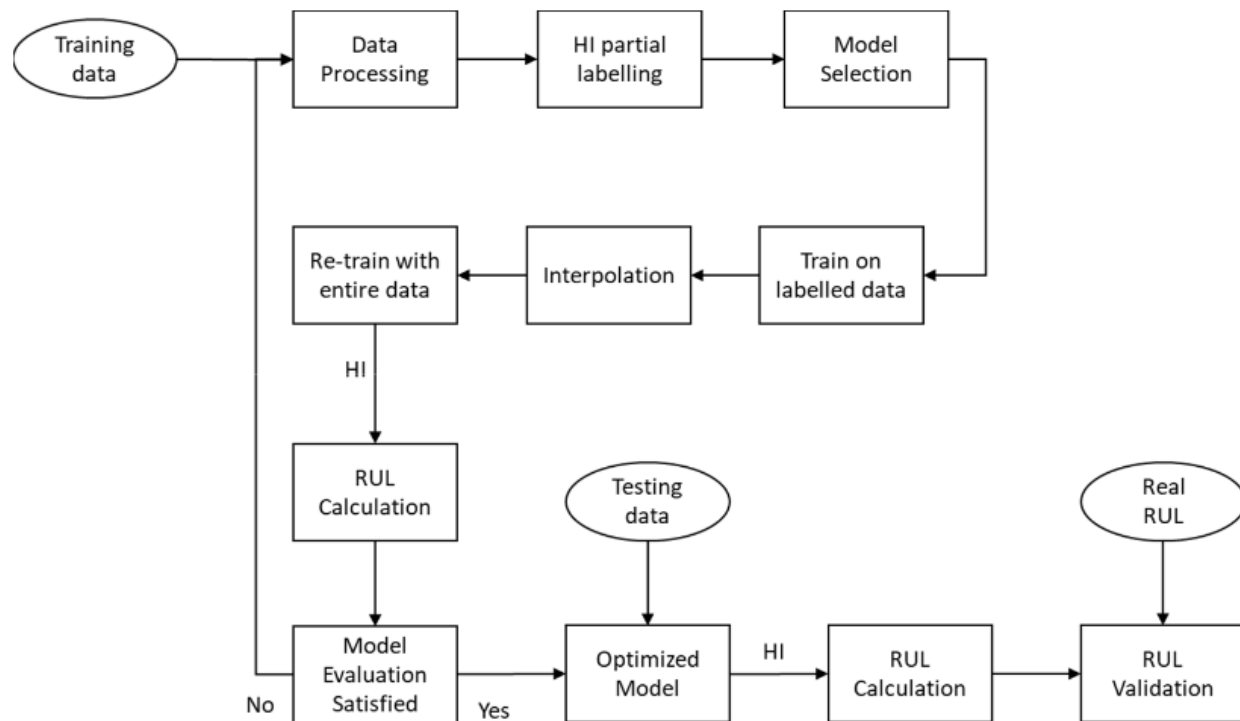


Fig 2. Overview of process followed

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:

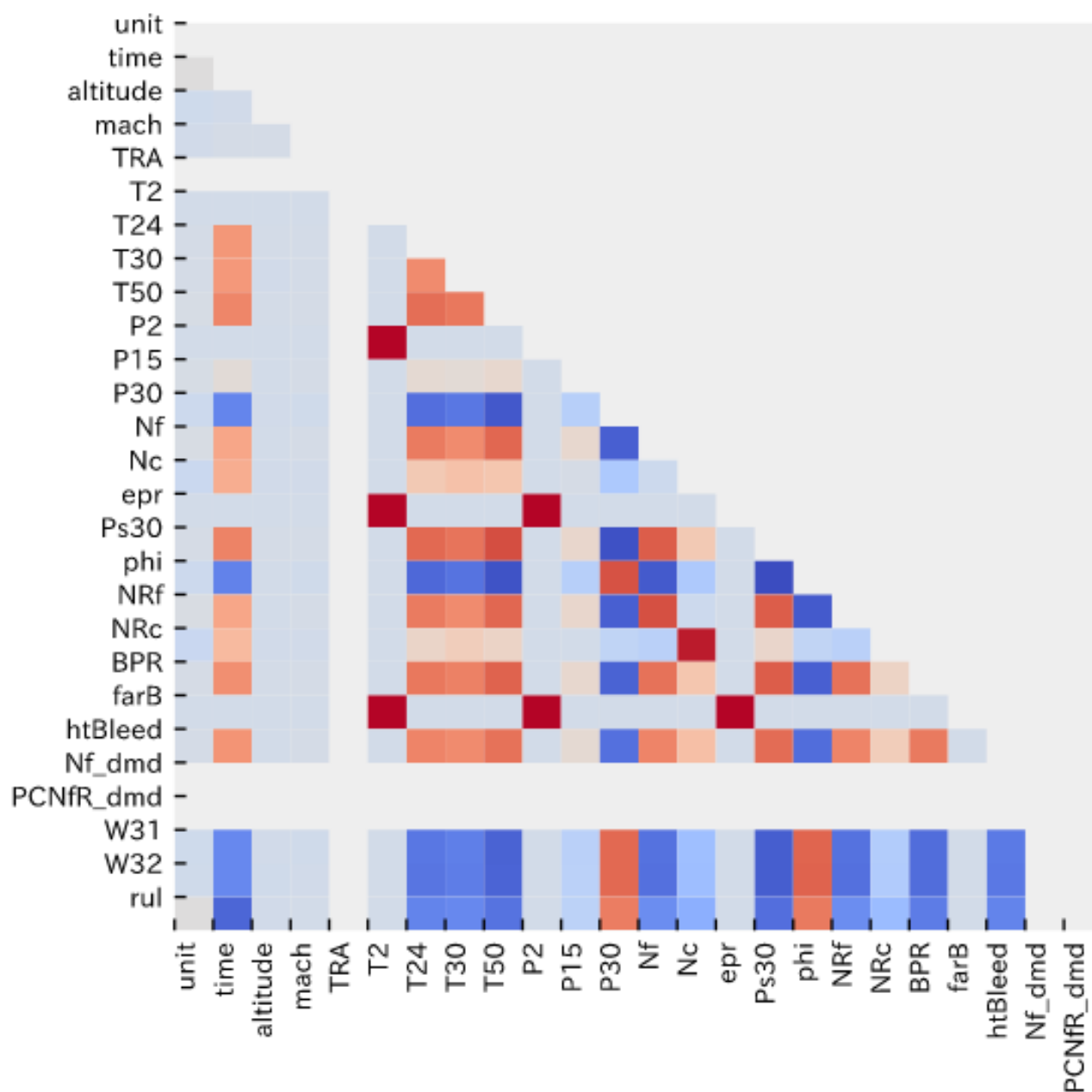


Fig 3. Correlation between the variables

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:

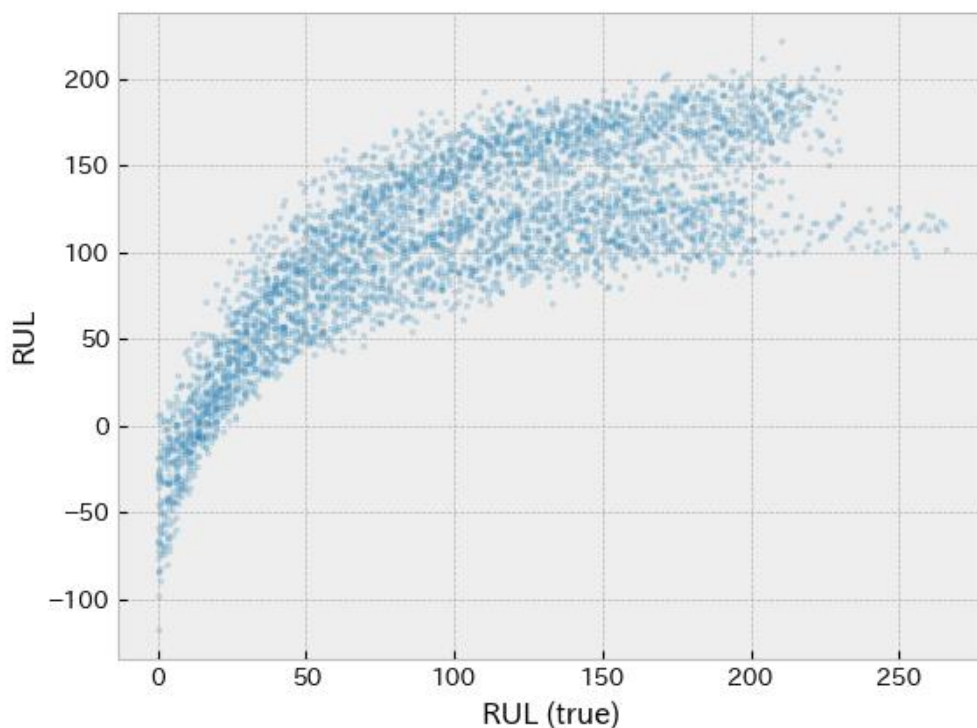


Fig 4. RUL predicted vs. RUL ground truth (LR model)

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

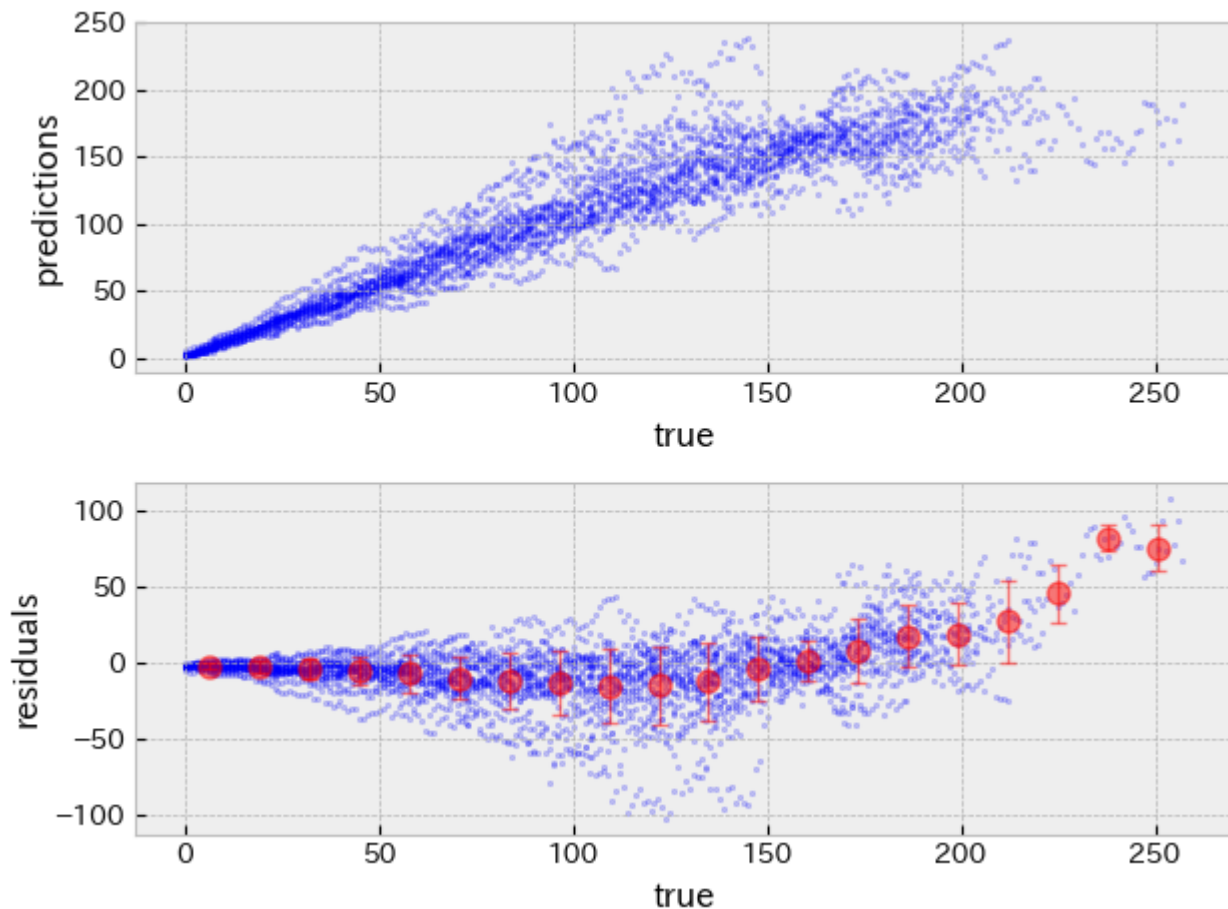


Fig 5. True RUL vs. predicted RUL and True RUL vs. residuals of final model

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/-

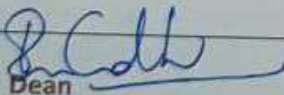
3,96,000/-

Tax Rate : 0.00%

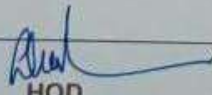
Total : 3,96,000/-

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



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and Consulting

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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

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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

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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

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 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.

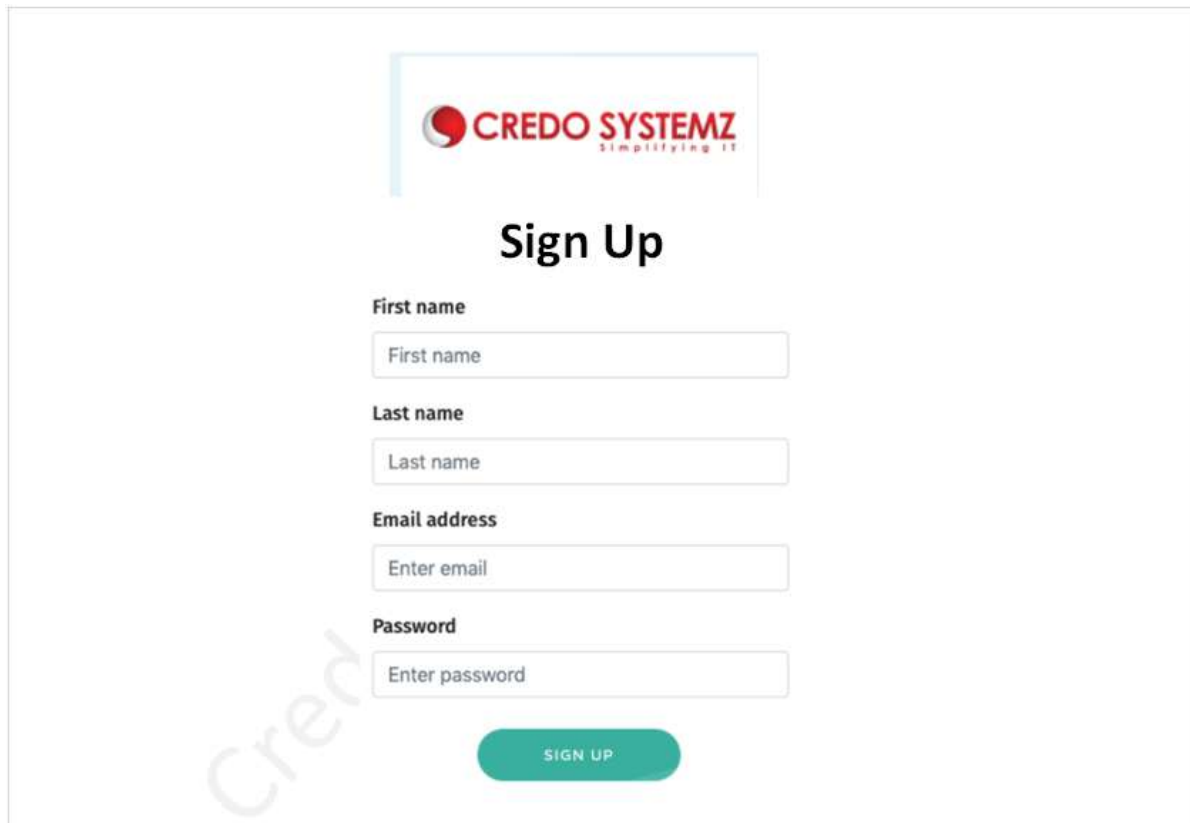
Registration screen:

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	
+ Template Driven Form 2	



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.

Classes > Courses

Search here...

Download App

Courses Standard Subject Topic Ecourse Mapping

Select Master Course* Select Academic Year* Search Go Add Course

AWS Standard: Amazon Web Services

Primavera Standard: Primavera

Angular Standard: Angular

Python Standard: Python

Course Name	Course Id	End Date	Total Students	Action
AWS-Volu	21842	18-Jan-2022	17	Assign / Unassign
Primavera	33264	22-Dec-2023	3	Assign / Unassign
Angular-Gopi	21840	20-Dec-2022	40	Assign / Unassign
Angular-RK	21841	15-Apr-2021	0	Assign / Unassign
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	Bathmanoban	+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 Reply 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 Reply 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: ma. Albert.dhamodaran

Thu, Oct 7, 2021, 9:35 AM

Dear Dr Albert & Dr Dhamodaran,

Happy Morning,

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

Thank you

a/a Chellaperumal
9847264931

1
PM



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@gmail.com
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@gmail.com
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



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- Assessment Platforms for institutes



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Computing



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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.



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



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Eliminate bottlenecks and unnecessary steps to streamline your processes.



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Do everything with you and all stakeholders involved in mind.



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- ✔ 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



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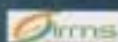
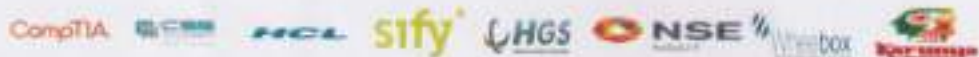
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Integrated Resource Management Solutions is a Service Organization that delivers world class training, recruitment solutions & Business Consulting - (BPO/ITES industry) to a spectrum of clients across the country. A young and fast growing organization. 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.



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Let's talk



Corporate office

Arms is a registered Resource Management Solutions (RMS) firm - Chief's Office
850 805, First Avenue, Arima Heights East, Chama - 803 002

Email

info@arms.co.ke

Mobile

+254 884772447

Talk with our Expertise

Name

Your Name

Email address

info@arms.co.ke

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

Account Number: 6500955039

Bank Name: INDIAN BANK

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

Branch Address: SATHYA RAMA UNIVERSITY, Chennai

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 Branch

NEW COLONY CHROMPET BRANCH
105 BASKAR PLAZA
NEW COLONY CHROMPET CHENNAI - 600044
IFSC Code: CUB0000433

VALID FOR THREE MONTHS ONLY

24/11/2021

Pay

Rupees ₹ 93000/-

A/c No. CA 510909010125639

For INTEGRATED RESOURCE MANAGEMENT SOLUTIONS

12/11/2021

Payable at all branches

000012 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

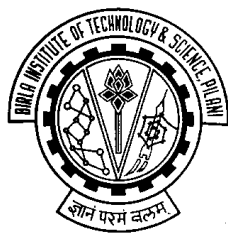
Raja.C

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