

**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**

Sponsored by Mohamed Sathak

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Siruseri IT Park, Egattur, Chennai 603 103

**List of students under taking project work/fieldwork/internship for the academic year  
2020-2021**

**B.Tech. INFORMATION TECHNOLOGY**

Sl No	Register No	Student Name	Year (I/II/III/IV)	Project work	Mini project	Internship	Field work
1	311817205003	KABILAN R	IV	✓			
2	311817205004	MOHAMEDHANAZ N	IV	✓			
3	311817205005	PRAKASH R	IV	✓			
4	311817205006	RANJITH T	IV	✓			
5	311817205007	VIGNESH V	IV	✓			
6	311817205008	VISHNU T	IV	✓			
7	311817205701	BHAVANI K	IV	✓			
8	311817205702	BHUVANATHARSHIN I A B	IV	✓			
9	311817205703	JOTHIKA M	IV	✓			
10	311817205704	VINODHA K	IV	✓			
11	311818205001	ABDUL RAHUMAN S	III		✓		
12	311818205002	AKTHEER ILYAS	III		✓		
13	311818205003	FARVEJ MOHAMED	III		✓		
14	311818205004	FOUZIA A	III		✓		
15	311818205005	HUMAIRA Y	III		✓		
16	311818205006	JOSHITHA J	III		✓		
17	311818205007	MOHAMED HISAM T	III		✓		
18	311818205008	MOHAMED IMRAN A	III		✓		
19	311818205009	MOHAMED SULTHAN M	III		✓		
20	311818205010	MOHAMMED IHSAAN SADIQ P S	III		✓		
21	311818205011	SAFWAAN ABDUL RAZACK S	III		✓		
22	311818205012	SHAMSUDEEN A	III		✓		
23	311818205301	RIZWAN AHAMED R	III		✓		



  
**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR, 603 103,**  
**KANCHIPURAM DT**



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**  
Sponsored by Mohamed Sathak  
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Siruseri IT Park, Egattur, Chennai 603 103

**B.TECH. INFORMATION TECHNOLOGY**

**Project Batch List (2020-2021)**

Register Number	Name of the Student	Title of the Project	Guide Name
311817205701	BHAVANI K	Diabetes Prediction and Classification using Ensemble of Different Machine Learning algorithms	Ms.J.Reshma Farhin Assistant Professor
311817205703	JOTHIKA M		
311817205004	MOHAMEDHANAZ N	Brain Tumor Classification in MRI Using Mask R-CNN	Mr.Ramamohan Reddy Assistant Professor
311817205006	RANJITH T		
311817205003	KABILAN R	Dope Mock Tester	Mr. Senthil pandi Assistant Professor
311817205007	VIGNESH V		
311817205704	VINODHA K	Heart Disease Classification using SVM and Random Forest Algorithm	Mr.D.Weslin Assistant Professor
311817205702	BHUVANATHARSHINI A		
311817205005	PRAKASH R	Framework to Recognize and Detect Breast Cancer from Mammogram Images	Mrs.V. Saranya Assistant Professor
311817205008	VISHNU T		



*M. Sathak*

**PRINCIPAL**  
**MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING**  
**34, Rajiv Gandhi Road (OMR), Siruseri, IT Park**  
**Chennai-603 103.**



## MOHAMED SATHAK A J COLLEGE OF ENGINEERING

Sponsored by Mohamed Sathak

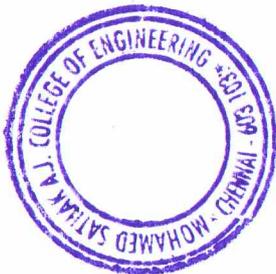
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Siruseri IT Park, Egattur, Chennai 603 103

### B.TECH. INFORMATION TECHNOLOGY

#### Mini Project List (2020-2021)

Register Number	Name of the Student	Title of the Project	Guide Name
311818205001	ABDUL RAHUMAN S	Development of the Speech Recognition Chatbot Interface Based On Natural Language Processing (NLP)	Mrs. Sankari Assistant Professor
311818205010	MOHAMMED IHSAAN SADIQ P S		
311818205301	RIZWAN AHAMED R		
311818205002	AKTHEER ILYAS	Aesthetic Android Kotlin wallpaper app	Mr.S.Senthipandi Assistant Professor
311818205003	FARVEJ MOHAMED	Brain tumor segmentation based on hybrid clustering technique	Ms.J.Reshma Farhin Assistant Professor
311818205008	MOHAMED IMRAN A		
311818205012	SHAMSUDEEN A		
311818205004	FOUZIA A	Snake game using C	Mr.D.Weslin Assistant Professor
311818205005	HUMAIRA Y		
311818205006	JOSHITHA J		
311818205007	MOHAMED HISAM T	Credit Card Fraud Detection using ML and DL	Mrs.V.Saranya Assistant Professor
311818205009	MOHAMED SULTHAN M		
311818205011	SAFWAAN ABDUL RAZACK S		



**PRINCIPAL**  
MOHAMED SATHAK A.J.COLLEGE OF ENGINEERING  
34, Rajiv Gandhi Road (OMR), Siruseri, IT Park  
Chennai-603 103.



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**  
Sponsored by Mohamed Sathak Trust  
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Siruseri IT Park, Egattur, Chennai 603 103

# PROJECT

**DIABETES PREDICTION AND CLASSIFICATION  
USING ENSEMBLING OF DIFFERENT MACHINE  
LEARNING ALGORITHMS**

**A PROJECT REPORT**

*Submitted by*

**BHAVANI K**

**311817205701**

**JOTHIKA M**

**311817205703**

*In partial fulfillment for the award of the  
degree of*

**BACHELOR OF TECHNOLOGY**

*in*

**INFORMATION TECHNOLOGY**



*W. Sathak*

**MOHAMED SATHAK A J COLLEGE OF  
ENGINEERING, SIRUSERI IT PARK, OMR,**

**CHENNAI – 603 103**

**PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR-603 103.  
KANCHIPURAM DT**

**ANNA UNIVERSITY : CHENNAI 600 025**

**APRIL 2021**



## BONAFIDE CERTIFICATE

Certified that this project report titled “DIABETES PREDICTION AND CLASSIFICATION USING ENSEMBLING OF DIFFERENT MACHINE LEARNING ALGORITHMS” is the bonafide work of “**BHAVANI K** (311817205701) and **JOTHIKA M** (311817205703) who carried out the project work under my supervision.



Mr.D. WESLIN ,M.E., (Ph.D),  
**HEAD OF DEPARTMENT**

Assistant Professor

Department of Information Technology, Mohamed  
Sathak A J College of Engineering, Siruseri, Chennai  
-603103



Ms.J. RESHMA FARHIM, M.E.,  
**SUPERVISOR**

Assistant Professor

Department of Information Technology,  
Mohamed Sathak A J College of  
Engineering, Siruseri, Chennai - 603103

Submitted for the project viva voice on 06.08.2021

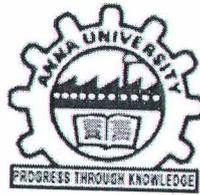


**INTERNAL EXAMINER**



**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR - 603 103,**  
**KANCHIPURAM DT**

**EXTERNAL EXAMINER**



**BRAIN TUMOR CLASSIFICATION IN MRI USING  
Mask- RCNN**

**A PROJECT REPORT**

*Submitted by*

**MOHAMEDHANAZ.N** 311817205004  
**RANJITH.T** 311817205006

*In partial fulfillment for the award of the degree  
of*

**BACHELOR OF TECHNOLOGY**

*in*

**INFORMATION TECHNOLOGY**

**PRINCIPAL**

**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**

**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**  
**SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

EGATTUR - 603 103.  
KANCHIPURAM DT



**ANNA UNIVERSITY: CHENNAI 600 025**  
**APRIL 2021**

ANNA UNIVERSITY: CHENNAI 600 025

## BONAFIDE CERTIFICATE

Certified that this project report “**BRAIN TUMOR CLASSIFICATION IN MRI USING Mask - RCNN**” is the Bonafide work of **RANJITH.T (311817205006)**, **MOHAMEDHANAZ.N (311817205004)** who carried out the project work under my supervision.

Mr.D.Weslin M.E.,(Ph.D)

**HEAD OF THE DEPARTMENT**

Associate Professor

Department of IT

Mohamed Sathak A.J College of Engineering,

Siruseri, Chennai-603103

Mr.G.RAMA MOHAN REDDY M.Tech.

**SUPERVISOR**

Assistant Professor

Department of CSE

Mohamed Sathak A.J College of Engineering,

Siruseri, Chennai-603103

Project Viva-Voce held on 06.08.2021

**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR 603 103.**  
**KANCHIPURAM DT.**

**INTERNAL EXAMINER**



**EXTERNAL EXAMINER**

# DOPE MOCK TESTER

A PROJECT REPORT

*Submitted by*

**KABILAN R [311817205003]**

**VIGNESH V [311817205007]**

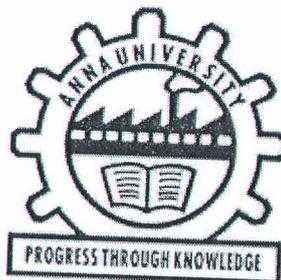
*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF TECHNOLOGY**

**IN**

**INFORMATION TECHNOLOGY**



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**

**SIRUSERI, OMR, CHENNAI – 603103.**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**



**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103.**  
**KANCHIPURAM DT**

## BONAFIDE CERTIFICATE

Certified that this project report “DOPE MOCK TESTER” is the Bonafide work of **KABILAN R [311817205003]** and **VIGNESH V [311817205007]** who carried out the project work under my supervision.



Mr.D. WESLIN ,M.E., (Ph.D),

**HEAD OF DEPARTMENT**

Assistant Professor,  
Department of Information Technology,  
Mohamed Sathak AJ College of Engineering,  
Siruseri,Chennai-603103



Mr.S. SENTHIL PANDI, M.Tech.,(Ph.D),

**SUPERVISOR**

Assistant Professor,  
Department of Information Technology,  
Mohamed Sathak AJ College of Engineering,  
Siruseri,Chennai-603103

Submitted for the project viva voice on 06.08.2021



INTERNAL EXAMINER



EXTERNAL EXAMINER



**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103.**  
**KANCHIPURAM DT**



# HEART DISEASE CLASSIFICATION USING SVM AND RANDOM FOREST ALGORITHM

A PROJECT REPORT

*Submitted by*

**BHUVANATHARSHINI A (311817205702)**

**VINODHA K (311817205704)**

*In partial fulfillment for the award of the degree  
of*

**BACHELOR OF TECHNOLOGY**

**IN**

**INFORMATION TECHNOLOGY**

**MOHAMED SATHAK A. J. COLLEGE OF ENGINEERING**

**SIRUSERI, CHENNAI - 603 103**

**PRINCIPAL**

**MOHAMED SATHAK A. J. COLLEGE OF ENGINEERING**

**EGATTUR, 603 103.**

**CHENNAI - 603 103.**



**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**

# BONAFIDE CERTIFICATE

Certified that this project report titled **"HEART DISEASE CLASSIFICATION USING SVM AND RANDOM FOREST ALGORITHM"** is the bonafide work of **"BHUVANATHARSHINI A (311817205702), VINODHA (311817205704)**, who carried out the project work under my supervision.



Mr. D. WESLIN, M.E., (Ph.D)



Mr. D. WESLIN, M.E., (Ph.D)

## HEAD OF THE DEPARTMENT SUPERVISOR

Associate Professor

Department of Information Technology  
Technology

Mohamed Sathak A J College of  
Engineering, Siruseri, Chennai-603103

Associate Professor

Department of Information

Mohamed Sathak A J College of  
Engineering,  
Siruseri, Chennai-603103

Submitted for the project viva voce on 06.8.2021



INTERNAL EXAMINER



EXTERNAL EXAMINER



PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR-603103.  
KANCHIPURAM DT



# A FRAMEWORK TO RECOGNIZE AND DETECT BREAST CANCER FROM MAMMOGRAM IMAGES

A Project Report

*Submitted by*

**PRAKASH R (311817205005)**

**VISHNU T (311817205008)**

*In partial fulfilment for the award of the degree*

*Of*

**BACHELOR OF TECHNOLOGY**

**IN**

**INFORMATION TECHNOLOGY**

**MOHAMED SATHAK A.J COLLEGE OF ENGINEERING**

**SIRUSERI – CHENNAI – 603103**



**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103,**  
**KANCHIPURAM DT**

**ANNA UNIVERSITY: CHENNAI 600 025**

**APRIL 2021**





**ANNA UNIVERSITY: CHENNAI 600 025**

**BONAFIDE CERTIFICATE**

Certified that this project report titled **“A FRAMEWORK TO RECOGNIZE AND DETECT BREAST CANCER FROM MAMMOGRAM IMAGES”** is the bonafide work of **“PRAKASH R (311817205005), VISHNU T (311817205008)”** who carried out the project work under my supervision.

Mr. D. WESLIN, M.E., (Ph.D.),  
**HEAD OF THE DEPARTMENT**  
 Associate Professor  
 Dept. of IT  
 Mohamed Sathak A J College of  
 Engineering, Siruseri, Chennai-603 103

Mrs. A. SARANYA, M.E.,  
**SUPERVISOR**  
 Assistant Professor  
 Dept. of CSE  
 Mohamed Sathak A J College of  
 Engineering, Siruseri, Chennai-603 103

Submitted for the project viva voce on 06.08.2021

**INTERNAL EXAMINER**  
**ABSTRACT**

**EXTERNAL EXAMINER**

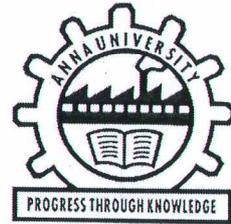


**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
 EGATTUR-603 103.  
 KANCHIPURAM DT



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING**  
Sponsored by Mohamed Sathak Trust  
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Siruseri IT Park, Egattur, Chennai 603 103

# **MINI PROJECT**



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING,  
SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

**DEVELOPMENT OF THE SPEECH RECOGNITION CHATBOT INTERFACE  
BASED ON NATURAL LANGUAGE PROCESSING (NLP)**

**BACHELOR OF TECHNOLOGY  
In  
INFORMATION TECHNOLOGY**

**A PROJECT REPORT**

**Submitted by:**

<b>ABDUL RAHUMAN.S</b>	<b>311818205001</b>
<b>MOHAMMED IHSAAN SADIQ PS</b>	<b>311818205010</b>
<b>RIZWAN AHAMED.R</b>	<b>311818205301</b>



**Academic year: 2020-2021**

**PRINCIPAL  
MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR-603103,  
KANCHIPURAM DT**

## **BONAFIDE CERTIFICATE**

Certified that this project report titled “ **DEVELOPMENT OF THE SPEECH RECOGNITION CHATBOT INTERFACE BASED ON THE NATURAL LANGUAGE PROCESSING (NLP)** “ is the bonafide work of “**ABDUL RAHUMAN S (311818205001)**” and “**MOHAMMED IHSAAN SADIQ PS (311818205010)**” and “**RIZWAN AHAMED R (311818205301)**” who carried out the project work under my supervision.

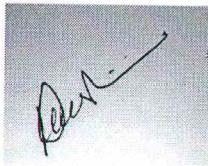


**Mr. D. WESLIN,**  
Assistant Professor  
**HEAD OF THE DEPARTMENT**  
Department of Information Technology  
Mohammed Sathak A.J College Of Engineering,  
Siruseri, Chennai-603103



**MS.SANKARI,**  
Assistant Professor  
**SUPERVISOR**  
Department of Information Technology  
Mohammed Sathak A.J College Of  
Engineering., , Siruseri, Chennai-603103

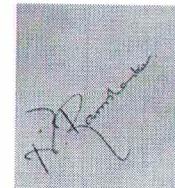
Submitted for the project viva voice on 05-08-2021



**INTERNAL EXAMINER**

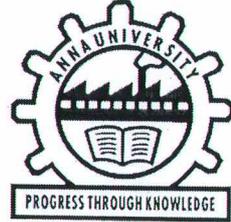


**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103.**  
**KANCHIPURAM DT.**



**EXTERNAL EXAMINER**





**MOHAMED SATHAK A J COLLEGE OF ENGINEERING,  
SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

**AESTHETIC ANDROID KOTLIN WALLPAPER APP**

**A PROJECT REPORT**

*Submitted by*

**AKTHEER ILYAS**

**3118205002**

*In partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**In**

**INFORMATION TECHNOLOGY**

**PRINCIPAL**

**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR-603 103,  
KANCHIPURAM DT**



**ANNA UNIVERSITY: CHENNAI 600 025**

APRIL 2021

## BONAFIDE CERTIFICATE

Certified that this project report titled "DIABETES PREDICTION AND CLASSIFICATION USING ENSEMBLING OF DIFFERENT MACHINE LEARNING ALGORITHMS" is the bonafide work of "A AKTHEER ILYAS (31181205002) who carried out the project work under my supervision.



Mr.D. WESLIN ,M.E., (Ph.D),  
**HEAD OF DEPARTMENT**  
Assistant Professor  
Department of Information Technology, Mohamed  
Sathak A J College of Engineering, Siruseri, Chennai -  
603103



Ms.J. RESHMA FARHIM, M.E.,  
**SUPERVISOR**  
Assistant Professor  
Department of Information Technology,  
Mohamed Sathak A J College of  
Engineering, Siruseri, Chennai - 603103

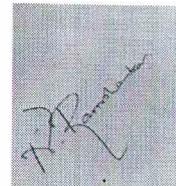
Submitted for the project viva voice on 05-08-2021



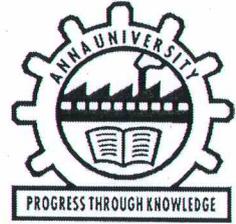
**INTERNAL EXAMINER**



**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
EGATTUR-603103.  
KANCHIPURAM DT



**EXTERNAL EXAMINER**



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING,  
SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

**BRAIN TUMOR SEGMENTATION BASED ON HYBRID CLUSTERING**

**A PROJECT REPORT**

*Submitted by*

<b>SHAMSUDEEN.A</b>	<b>(311818205012)</b>
<b>FARVEJ MOHAMED.M</b>	<b>(311818205003)</b>
<b>MOHAMED IMRAN .A</b>	<b>(311818205008)</b>

*In partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

In

**INFORMATION TECHNOLOGY**

**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103.**

**ANNA UNIVERSITY: CHENNAI 600 025 SANCHIPURAM DT**



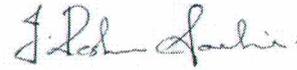
APRIL 2021

## BONAFIDE CERTIFICATE

This is to certify that **SHAMSUDEEN.A (311818205012)**, **FARVEJ MOHAMED.M(311818205003)** and **MOHAMED IMRAN.A(311818205008)** have successfully completed the project titled” **BRAINTUMOR SEGMENTATION BASED ON HYBRID CLUSTERING** “at Department of Information Technology under my supervision and guidance in the fulfillment of requirements of sixth semester, Bachelor of Technology (Information Technology) of Mohamed Sathak A.J college of engineering, Chennai.



Mr. WESLIN ,M.E., (Ph.D),  
**HEAD OF DEPARTMENT**  
Assistant Professor  
Department of Information Technology, Mohamed  
Sathak A J College of Engineering, Siruseri, Chennai -  
603103



Ms.J. RESHMA FARHIM, M.E.,  
**SUPERVISOR**  
Assistant Professor  
Department of Information Technology,  
Mohamed Sathak A J College of Engineering,  
Siruseri, Chennai - 603103

Submitted for the project viva voice on 05-08-2021



**INTERNAL EXAMINER**

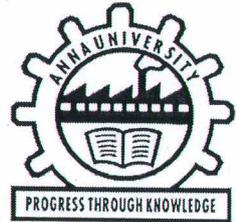


**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
EGATTUR-603 103.  
KANCHIPURAM DT



**EXTERNAL EXAMINER**





**MOHAMED SATHAK A J COLLEGE OF ENGINEERING,  
SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

**SNAKE GAME IN C PROGRAMMING**

**A PROJECT REPORT**

*Submitted by*

**FOUZIA.M.A**

**311818205004**

**HUMAIRA.Y**

**311818205005**

**JOSHITHA.J**

**311818205006**

*In partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

**In**

**INFORMATION TECHNOLOGY**

**PRINCIPAL**

**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING  
EGATTUR-603 103,  
KANCHIPURAM DT**



**ANNA UNIVERSITY: CHENNAI 600 025**

**AUGUST-2021**

# BONAFIDE CERTIFICATE

Certified that this project report titled "SNAKE GAME IN C PROGRAMMING" is the bonafide work of "FOUZIA.M.A (311818205004), HUMAIRA.Y (311818205005) and JOSHITHA.J (311818205006)" who carried out the project work under my supervision.



Mr.D. WESLIN ,M.E., (Ph.D),  
**HEAD OF DEPARTMENT**

Assistant Professor  
Department of Information Technology, Mohamed  
Sathak A J College of Engineering, Siruseri, Chennai -  
603103



Mr.D. WESLIN ,M.E., (Ph.D),  
**SUPERVISOR**

Assistant Professor  
Department of Information Technology,  
Mohamed Sathak A J College of Engineering,  
Siruseri, Chennai - 603103

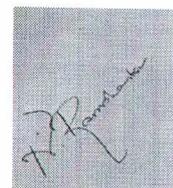
Submitted for the project viva voice on 05-08-2021



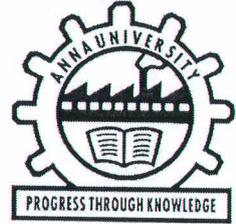
**INTERNAL EXAMINER**



**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
EGATTUR-603103.  
KANCHIPURAM DT



**EXTERNAL EXAMINER**



**MOHAMED SATHAK A J COLLEGE OF ENGINEERING,  
SIRUSERI IT PARK, OMR, CHENNAI – 603 103**

**CREDIT CARD FRAUD DETECTION BASED ON MACHINE LEARNING AND DEEP  
LEARNING**

**A PROJECT REPORT**

*Submitted by*

<b>SAFWAAN ABDUL RAZACK S</b>	<b>311818205011</b>
<b>MOHAMED SULTHAN</b>	<b>311818205009</b>
<b>MOHAMED HISAM</b>	<b>311818205007</b>

*In partial fulfillment for the award of the degree of*

**BACHELOR OF TECHNOLOGY**  
In  
**INFORMATION TECHNOLOGY**

**ANNA UNIVERSITY: CHENNAI 600 025**

**AUGUST-2021**

**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR-603 103.**  
**KANCHIPURAM DT**



## BONAFIDE CERTIFICATE

Certified that this project report titled “CREDITCARD FRAUD DETECTION BASED ON MACHINE LEARNING AND DEEP LEARNING” is the Bonafide work of “SAFWAAN ABDUL RAZACK S(311818205011),MOHAMED SULTHAN(311818205009) and MOHAMED HISAM(311818205007) who carried out the project work under my supervision.

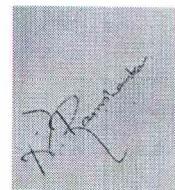


Mr.D. WESLIN ,M.E., (Ph.D),  
**HEAD OF DEPARTMENT**  
Assistant Professor  
Department of Information Technology, Mohamed  
Sathak A J College of Engineering, Siruseri, Chennai -  
603103



Mrs. V. Saranya, B.E.,  
**M.TECH.,SUPERVISOR**  
Assistant Professor  
Department of Information Technology,  
Mohamed Sathak A J College of Engineering,  
Siruseri, Chennai - 603103

Submitted for the project viva voice on 05-08-2021



**INTERNAL EXAMINER**

**PRINCIPAL**  
**MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING**  
**EGATTUR - 603 103.**  
**KANCHIPURAM DT**

**EXTERNAL EXAMINER**