

# ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

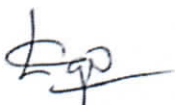
Department of Computer Science and Engineering

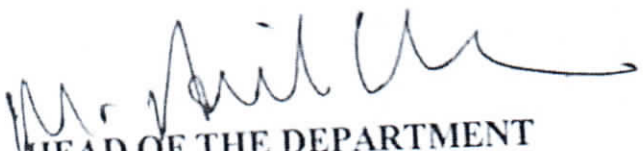


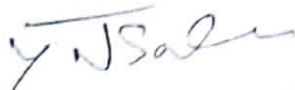
## CERTIFICATE

This is to certify that the project work entitled, "Manhole Monitoring & Detection", is a bonafide work carried out by KURRELA SRUTHI (18P31A0584), RAVANAM SRAVANI (18P31A0592), GOWTHAM KAKARLA (19P35A0512), GOPI MOKHAMATAM (19P35A0517), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

  
PROJECT SUPERVISOR  
Dr.R.V.S. Lalitha  
Professor

  
HEAD OF THE DEPARTMENT  
Dr.M. Anil Kumar, MTech., Ph.D.  
Professor

  
EXTERNAL EXAMINER

  
PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALAM- 533 437

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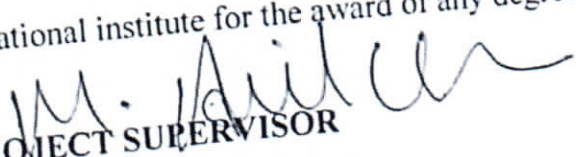
## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "IoT Based Soil Monitoring and Automatic Irrigation System", is a bonafide work carried out by K.S.N.G.SRIDEVI (18P31A0583), B.DURGA SIVA KUMAR (19P35A0509), S.AJAY KUMAR REDDY (18P31A0597), ASIF SAYYAD (19P35A0520), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**

Dr.M.Anil Kumar, M.Tech., Ph.D

Professor

  
**HEAD OF THE DEPARTMENT**

Dr.M.Anil Kumar, M.Tech., Ph.D.

Professor

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
Aditya College of  
Engineering & Technology  
SURAMPALAM- 533 437

**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)

**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "SMART HYDROPONIC CULTIVATION USING IOT", is a bonafide work carried out by **Nallamilli S V S R Krushik Reddy (18P31A0540), Mandavilli J R Naga Durga (18P31A0533), Kante Udaya Veera Chandra Mouli(18P31A0528), Garre Rohith (18P31A0520), Dittakavi Hari Naga Surya Sai Ganesh (18P31A0517)**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PRINCIPAL**  
**Aditya College of**  
**Engineering & Technology**  
**SURAMPALAM**

**PROJECT SUPERVISOR**

**AND**

**HEAD OF THE DEPARTMENT**

**Dr.M.Anil Kumar, M.Tech., Ph.D.**

**Professor**

**EXTERNAL EXAMINER**



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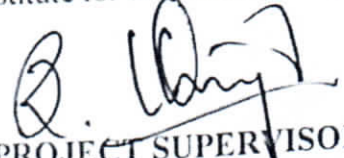
## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "Car and Pedestrian Tracking using Machine Learning", is a bonafide work carried out by J. Hemanth (18P31A0578), G. Abhilash(18P31A0576), A. Sai Mani Vamsi (18P31A0562), V. Praveen Kumar (18P31A05A5), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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PROJECT SUPERVISOR


KUM R SRI DIVYA, M. Tech.

Assistant Professor

  
HEAD OF THE DEPARTMENT

Dr. M. Anil Kumar, M. Tech., Ph.D.

Professor

  
EXTERNAL EXAMINER

  
PRINCIPAL  
Aditya College of  
Engineering & Technology  
SURAMPALAM- 533 437

**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "Classification of Genetic Mutations for Cancer Identification using Machine Learning", is a bonafide work carried out by **S.Sirisha (18P31A0547), G.R.S.D.Pavan (18P31A0518), Ankit Kumar Sinha (18P31A0505), G.Prashanth (18P31A0523)**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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*G. Mounica*

**PROJECT SUPERVISOR**

Ms.G.Mounica, M.Tech., (Ph.D.)

Assistant Professor

*Dr. M. Anil Kumar*  
**HEAD OF THE DEPARTMENT**

Dr.M.Anil Kumar, M.Tech., Ph.D.

Professor **Head of the Department**  
**Dept. of CSE**  
**Aditya College of Engineering**  
**& Technology**  
**SURAMPALAM-533437**

*[Signature]*  
**EXTERNAL EXAMINER**

**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "COMPARATIVE STUDY ON PERFORMANCE OF INTRUSION DETECTION SYSTEM USING DIFFERENT MACHINE LEARNING ALGORITHMS", is a bonafide work carried out by M.VIDYA DEVI SREE (18P31A0535), G.SURYA VENKATA SAI (18P31A0525), P.JAYA SRI LATHA (18P31A0542), B.GANESH CHANDRA (18P31A0510), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

  
**PROJECT SUPERVISOR**

Mr. Nadella Sunil M.Tech.,(Ph.D)  
UGC NET&AP SET (Computer Science & Applications)  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

Dr. M. Anil Kumar  
Head of the Department  
Dept. of CSE  
Professor  
Aditya College of Engineering  
& Technology  
SURAMPALAM-533437

  
**EXTERNAL EXAMINER**



**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, " **ROAD ACCIDENTS ACKNOWLEDGEMENT** ", is a bonafide work carried out by **ADITYA PANDEY (18P31A0501)**, **GAURAV KUMAR (18P31A0521)**, **VISHWAJIT SINGH (18P31A0558)**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

**T.D.L. Sri**  
**PROJECT SUPERVISOR**  
Mrs. J. Divya Lalitha Sri,  
M. Tech (Ph.D)  
Assistant Professor

**Dr. M. Anil Kumar,**  
M. Tech  
Professor  
**HEAD OF THE DEPARTMENT**

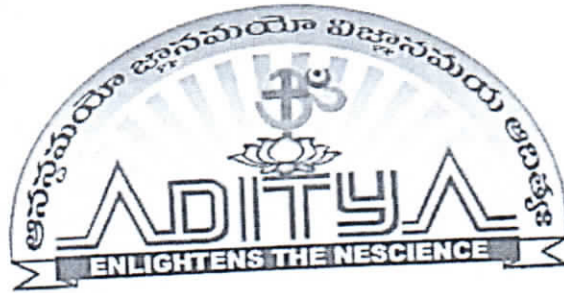
**EXTERNAL EXAMINER**

**PRINCIPAL**  
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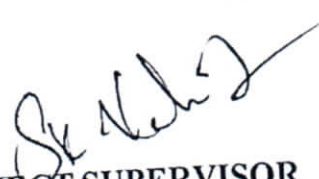
## Department of Computer Science and Engineering

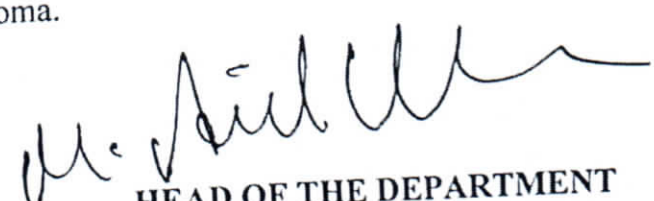


### CERTIFICATE

This is to certify that the project work entitled, "ACCIDENT ALERT SYSTEM ", is a bonafide work carried out by PRIYANSHU ROY (18P31A0543), NALLAMILI KEERTHANA REDDY(18P31A0539), AAYUSH SRIVASTAVA (18P31A0508), K. SANTOSH RAHUL (19P35A0504), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

  
**PROJECT SUPERVISOR**  
Ms. Shaik Vahida, M.Tech  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**  
Dr.M.Anil Kumar, M.Tech, Ph.D.  
Associate Professor

  
**PRINCIPAL**  
Aditya College of  
Engineering & Technology  
SURAMPALEM- 533 437

  
**EXTERNAL EXAMINER**

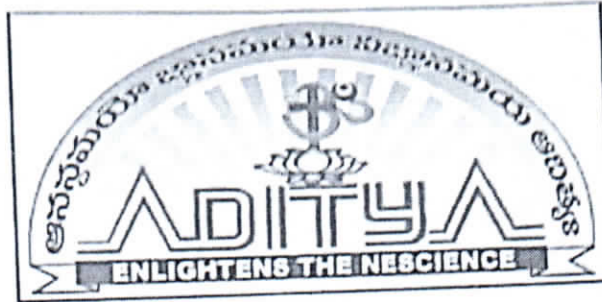
Head of the Department  
Dept. of CSE  
Aditya College of Engineering  
& Technology  
SURAMPALEM-533437



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## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "IOT BASED COVID PATIENT HEALTH MONITORING IN HOME QUARANTINE", is a bonafide work carried out by SONU RAJ (18P31A0544), S.VIJAYA LAKSHMI (18P31A0550), AMIT KUMAR (18P31A0503), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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PROJECT SUPERVISOR  
Mr. J. S. NARENDRA KUMAR, M.Tech  
Assistant Professor

  
HEAD OF DEPARTMENT

Dr. M. ANIL KUMAR M.Tech., Ph.D.

Head of the Department  
Dept. of CSE  
Aditya College of Engineering  
& Technology  
SURAMPALEM-533437

  
EXTERNAL EXAMINER

**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**  
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**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "CLASSIFICATION OF BREAST CANCER FROM MRI IMAGES USING DEEP LEARNING", is a bonafide work carried out by A. SAI SARANYA (18P31A0507), B. C. SATYA DEVI (18P31A0514), P. ASHOK (18P31A0541), S. C. VARDHAN (18P31A0548), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**

Dr.G.Sanjiv Rao, M.Tech., Ph.D.

Professor

  
**HEAD OF THE DEPARTMENT**

Dr.M. Anil Kumar, Head of the Department

Dept. of CSE  
Aditya College of Engineering  
& Technology  
SURAMPALAM-533 437

  
**EXTERNAL EXAMINER**

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## Department of Computer Science and Engineering




### CERTIFICATE

This is to certify that the project work entitled, " Driver Drowsiness and Alcohol Detection using IOT" is a bonafide work carried out by J.H.V.S.S Lakshmi (18P31A0577), B.V.C. Krishna (18P31A0565), C.V. Vardhan Reddy (18P31A0569), D.T.B Prasad (18P31A0572), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**  
Mr. S.N.S.V.S.C. Ramesh, M. Tech  
Associate Professor

  
**HEAD OF THE DEPARTMENT**  
Dr. M. Anil Kumar, M. Tech., Ph.D.  
Professor

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
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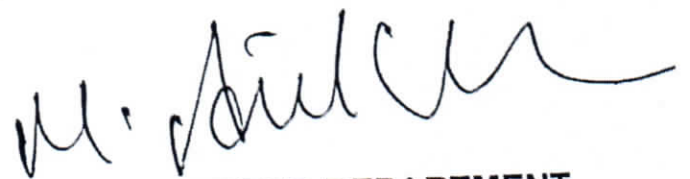
This is to certify that the project work entitled, "Flight Delay Prediction And Error Calculation Using Machine Learning", is a bonafide work carried out by **P. Manjuvani (18P31A0589)**, **Vss Durga Prasad (18P31A05A4)**, **Vikrant Kumar (18P31A05A6)**, **Yaswanth Kumar (19P31A05A7)**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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PROJECT SUPERVISOR

Mr. Mohammad Amanullah, M.Tech., (Ph.D.)

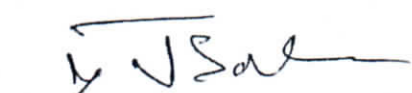
Assistant Professor



HEAD OF THE DEPARTMENT

Dr. M. Anil Kumar, M.Tech., (Ph.D.)

Professor

  
EXTERNAL EXAMINER

  
PRINCIPAL  
Aditya College of  
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SURAMPALAM- 533 437

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## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "HOME AUTOMATION USING ARDUINO", is a bonafide work carried out by **CHALLA LAKSHMI SRAVANI (18P31A0568), VIKAS SAMBANGI(18P31A0595), REMANTH MANYAM(18P31A0593), TEKI KARTHIK PHIANDER SAI SUDHEER (18P31A05A2)**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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PROJECT SUPERVISOR

Mr. N. Venkatewara rao, M.Tech.(Ph.D.)

Senior Assistant Professor

  
HEAD OF THE DEPARTMENT

Dr. M. Anil Kumar, M.Tech., Ph.D.

Professor

  
EXTERNAL EXAMINER

  
PRINCIPAL  
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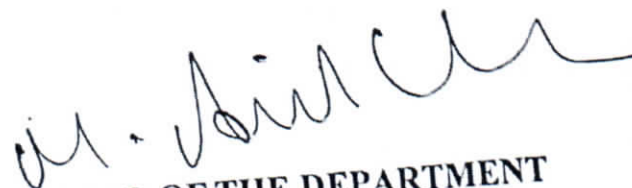
### CERTIFICATE

This is to certify that the project work entitled, "FINDING PSYCHOLOGICAL INSTABILITY USING MACHINE LEARNING", is a bonafide work carried out by G. Aparna(18P31A0575), K. Gowtham Sai(18P31A0580), P. Kushal Satish Anil Kumar(18P31A0588), N. Srinivas Pattabhi Ram(18P31A05B0), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**

Mrs. J L SARWANI THEEPATHI, M Tech., [Ph D]  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**

Dr.M.Anil Kumar, MTech., Ph.D.,  
Professor

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
Aditya College of  
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## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "Object Detection, Recognition with the help of Artificial Intelligence", is a bonafide work carried out by J. Sushma (18P31A0579), K. Usha Rani (18P31A0581), K. Bhanu Teja (18P31A0582), K. Vikram (19P31A0513), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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PROJECT SUPERVISOR

Dr. Rayi Sailaja, M.Tech., Ph.D.

Associate Professor

HEAD OF THE DEPARTMENT

Dr. M. Anil Kumar, M. Tech., Ph.D.

Professor

  
EXTERNAL EXAMINER  
PRINCIPAL  
Aditya College of  
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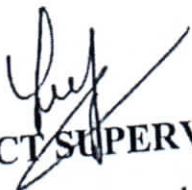
**Department of Computer Science and Engineering**

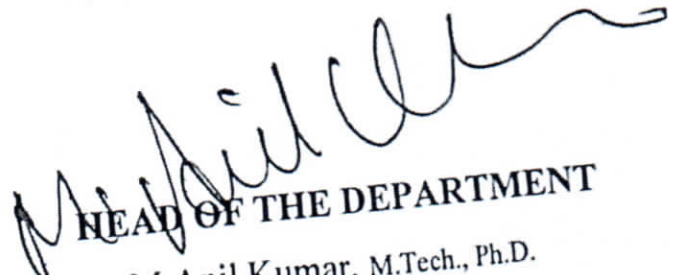


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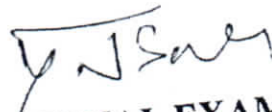
This is to certify that the project work entitled, " Fuel Fraud Detector Using IOT", is a bonafide work carried out by Y.S.N.V.R.Bhagavanulu (18NQ1A05B2), N. Siva Pavani (19P35A0510), Ch. Nalini Reddy (18P31A0570), D.Sriram (18P31A05A8), in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**  
Y.V.V.Durga Prasad, M.tech  
Asst.professor (CSE)

  
**HEAD OF THE DEPARTMENT**  
Dr.M.Anil Kumar, M.Tech., Ph.D.  
Professor  
**Head of the Department**  
Dept.of CSE  
Aditya College of Engineering  
& Technology  
SURAMPALEM-533437

  
**PRINCIPAL**  
Aditya College of  
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**EXTERNAL EXAMINER**



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**Department of Computer Science and Engineering**



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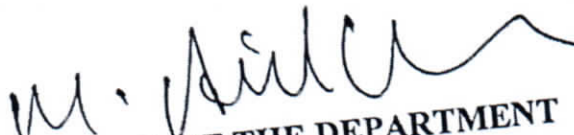
This is to certify that the project work entitled, "MELANOMA DETECTION WITH CONVOLUTIONAL NEURAL NETWORK", is a bonafide work carried out by B. S. S. SUKANYA DEVI (18P31A0509) , B. ARAVIND BABU (18P31A0515) , I. Y. A. VARDHAN (19P35A0505) , P. N. V. V SRI HARSHA (19P35A0506) , in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**

Mr. N. Venkateswara Rao, M.Tech.,(Ph.D)

Senior Assistant Professor

  
**HEAD OF THE DEPARTMENT**

Dr.M.Anil Kumar, M.Tech., Ph.D.

Professor

**Head of the Department**  
Dept.of CSE  
Aditya College of Engineering  
& Technology  
SURAMPALAM-533437

  
**EXTERNAL EXAMINER**



**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**  
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**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "DIABETIC RETINOPATHY DETECTION USING DEEP LEARNING", is a bonafide work carried out by G. Lakshmi Sri 18P31A0522, T. Santhosha Rani 18P31A0554, R. Prasanna Lakshmi 18P31A0546, B. Navya 18P31A0511, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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*R. Sailaja*  
**PROJECT SUPERVISOR**

Dr. Rayi Sailaja, M.tech., Ph.D.

Associate Professor

*M. Anil Kumar*  
**HEAD OF THE DEPARTMENT**

Dr. M. Anil Kumar, M.Tech., Ph.D.

Professor **Head of the Department**  
**Dept. of CSE**  
**Aditya College of Engineering**  
**& Technology**  
**SURAMPALEM-533437**

*Y. Suresh*  
**EXTERNAL EXAMINER**

**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**  
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**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "CAR NUMBER PLATE AND SPEED DETECTION", is a bonafide work carried out by **RAVI SHANKAR YADAV (18P31A0545), BISWAJEET KUMAR MISHRA (18P31A0512), MUMMADI SIVANAGARAJU (18P31A0538), LOKESH INDANA (18P31A0526)**, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

*N. Madhuri*  
**PROJECT SUPERVISOR**

Ms. N. Madhuri, M. Tech  
Assistant Professor

*Dr. M. Anil Kumar*  
**HEAD OF THE DEPARTMENT**

Dr. M. Anil Kumar, M. Tech, Ph.D  
Professor

*[Signature]*  
**EXTERNAL EXAMINER**

*[Signature]*  
**PRINCIPAL**  
Aditya College of  
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SURAMPALEM- 533 333



**ADITYA COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)


**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "Smart Helmet System", is a bonafide work carried out by M.Aparna Sindhu (18P31A0532), M. Harshitambika (18P31A0534), Bittu Kumar (18P31A0513), T. Arun Sai (18P31A0553), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering & Technology, Surampalem, during the academic year 2021-2022.

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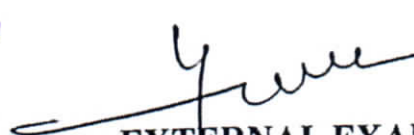
  
**PROJECT SUPERVISOR**

Ch.S.V.V.S.N.Murthy, M.Tech, Ph.D.  
Associate Professor

  
**HEAD OF THE DEPARTMENT**

Dr.M.Anil Kumar, M.Tech., Ph.D.  
Professor

  
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**EXTERNAL EXAMINER**

Head of the Department  
Dept.of CSE  
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& Technology  
SURAMPALEM-533437



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## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "IoT BASED AIR POLLUTION ANALYSIS USING MACHINE LEARNING", is a bonafide work carried out by POLAVARAPU KIRANMAYI (19P35A0515), MARGANI SUREKHA (19P35A0511), KOLLI SRILEKHA (19P35A0514), SANGADI SATHISH (18P31A05A9), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

**PROJECT SUPERVISOR**

Mr.N.Sunil M.Tech.,(Ph.D).

UGC NET & AP SET ( Computer Science and Applications)

Associate Professor

**HEAD OF THE DEPARTMENT**

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**EXTERNAL EXAMINER**

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**Engineering & Technology**  
**SURAMPALAM- 533 437**

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**Department of Computer Science and Engineering**

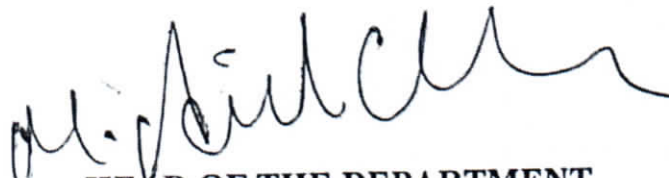


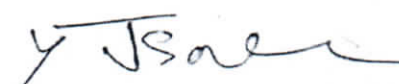
**CERTIFICATE**

This is to certify that the project work entitled, "A CONVERSATIONAL BOOK RECOMMENDATION CHATBOT USING PYTHON AND NLP", is a bonafide work carried out by SUPRIYO CHOWDHURY (Regd. No. 18P31A0599), CH. DIVYA (Regd. No. 18P31A0567), AMAN KUMAR (Regd. No. 18P31A0563), DIPANKAR MANDAL (Regd. No. 18P31A0573), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**  
Mr.D.SATYANARAYANA,  
MTech  
Associate Professor

  
**HEAD OF THE DEPARTMENT**  
Dr.M.Anil Kumar, M.Tech., Ph.D.  
Professor

  
**EXTERNAL EXAMINER**

  
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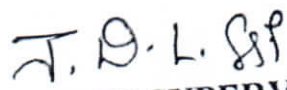
**Department of Computer Science and Engineering**

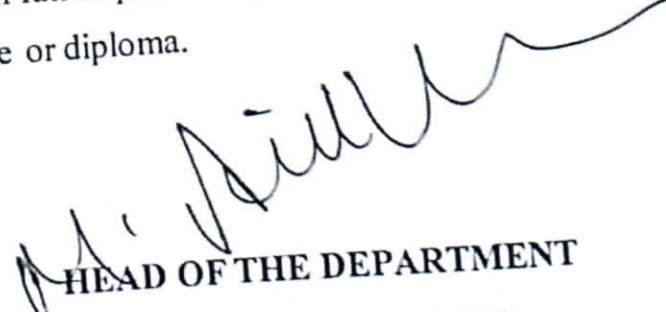


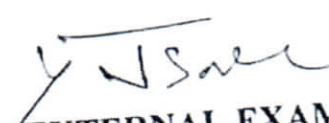
**CERTIFICATE**

This is to certify that the project work entitled, "RASPBERRY PI BASED READER FOR BLIND", is a bonafide work carried out by A. V. DURGA VARALAKSHMI (18P31A0564), T. P. STEFFI SWETHA (18P31A05A1), SK. NOUSHIN SAHID (19P35A0516), M. SAI BHARGAVA (19P35A0507), in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

  
**PROJECT SUPERVISOR**  
J. Divya Lalitha Sri, M.tech, (Ph.d)  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**  
Dr.M.Anil Kumar, M.Tech., Ph.D.  
Professor

  
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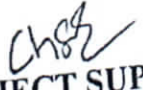
## Department of Computer Science and Engineering




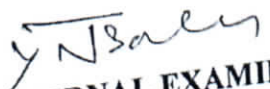
### CERTIFICATE

This is to certify that the project work entitled, "UNDERGROUND CABLE FAULT DETECTION USING ARDUINO", is a bonafide work carried out by SUMASRI SANGULA (18P31A0596), SRAVANI PASALA (18P31A0590) VARUN RAJ RUSHI H (18P31A0594.), BARNBAS T (18P31A05A3.), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

  
**PROJECT SUPERVISOR**  
Mr. CH.S.V.V.S.N. MURTY M.Tech.,(Ph.D.)  
Associate Professor

  
**HEAD OF THE DEPARTMENT**  
Dr.M. Anil Kumar, M.Tech., Ph.D.  
Professor

  
**EXTERNAL EXAMINER**

  
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SURAMPALEM- 533 437

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Computer Science and Engineering



## CERTIFICATE

This is to certify that the project work entitled, "INTRACRANIAL HEMORRHAGE DETECTION USING DEEP LEARNING", is a bonafide work carried out by M.VAISHNAVI (18P31A0537), A.ANJANEYULU (18P31A0506), MD.AHMEDALIKHAN (18P31A0536), M.SRINIVAS THRINATH (18P31A0531) in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree.

  
PROJECT SUPERVISOR

Mr.Mohammad Amanulla, M.Tech, [Ph.D.]

Assistant Professor

  
HEAD OF THE DEPARTMENT

Dr.M.Anil Kumar, M.Tech.,Ph.D.

Professor  
Head of the Department  
Dept. of CSE

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EXTERNAL EXAMINER

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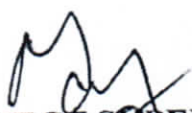
## Department of Computer Science and Engineering

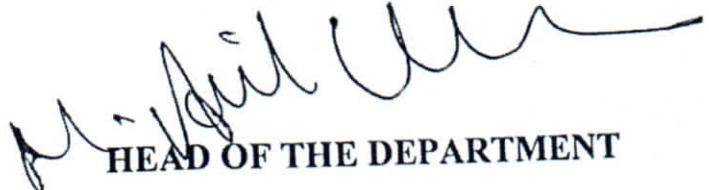


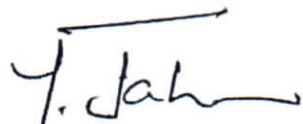
### CERTIFICATE

This is to certify that the project work entitled, "PREVENTING ROBBERIES AND PROVIDING SECURITY TO THE ATM MACHINES", is a bonafide work carried out by A.RAHUL (18P31A0561), B.V.SIVA KUMAR (18P31A0566), S.VENKAT (19P35A0508), D.SUBRAYAMANYAM (18P31A0574), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**  
B.Manikyala Rao, M.Tech(Ph.D)  
Sr Assistant Professor

  
**HEAD OF THE DEPARTMENT**  
Dr.M.Anil Kumar, M.Tech.,Ph.D.  
Professor

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
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SURAMPALAM- 533 437



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## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "BLOOD GROUP CLASSIFICATION USING CNN", is a bonafide work carried out by G SRILEKHA (18P31A0524), V G S S SAIRAM (18P31A0556), K TEJA VINAY (18P31A0529), K RAKESH (18P31A0530), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

This project work has not been submitted in full or part to any other University or educational institute for the award of any degree or diploma.

**PROJECT SUPERVISOR**

Dr. R.V.S Lalitha, M.Tech, Ph.D

Professor

**HEAD OF THE DEPARTMENT**

Dr. M. Anil Kumar, M.Tech., Ph.D.

Professor

**EXTERNAL EXAMINER**

**Head of the Department**  
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## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "GASTROINTESTINAL CARCINOMA CLASSIFICATION USING CNN", is a bonafide work carried out by CH SAHITHI (18P31A0516), W VENU GOPAAL (18P31A0559), V KRISHNA PRAKASH (18P31A0555), J N S R S SRINIVAS (18P31A0527), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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*T. J. L. Sarwani* 11/6/22  
PROJECT SUPERVISOR

Mrs. J L Sarwani Theeparthi,

M.Tech., [Ph.D.,]

Assistant Professor

*M. Anil Kumar*  
HEAD OF THE DEPARTMENT  
Dr.M.Anil Kumar, M.Tech., Ph.D.,  
Professor

Head of the Department  
Dept.of CSE  
Aditya College of Engineering  
& Technology  
SURAMPALEM-533437

*Y. Kumar*  
EXTERNAL EXAMINER

Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project work entitled, "SMART ELECTRIC VEHICLE CHARGING STATION BOOKING SYSTEM", is a bonafide work carried out by K.Usharani (19P35A0501), V.Kushi priya (18P31A0557), J.Anusha(19P35A0503), G.Naga Durgesh (18P31A0519), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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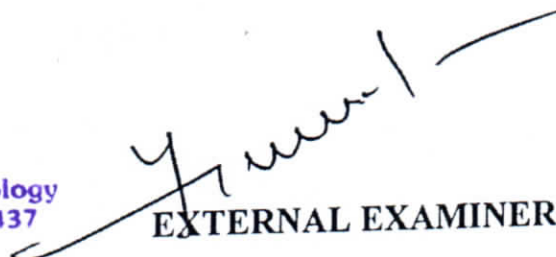
  
PROJECT SUPERVISOR

B. Manikyalara M.Tech.,(Ph.D)  
Sr Assistant Professor

  
HEAD OF DEPARTMENT

Dr. M. ANIL KUMAR M.Tech Ph.D.,  
Professor

  
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& Technology  
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**Department of Computer Science and Engineering**



**CERTIFICATE**

This is to certify that the project work entitled, "Face mask vending machine with sanitizer", is a bonafide work carried out by PINNAMAREDDY VENKATA PAVANI (18P31A0591), MATA VARSHA (18P31A0585), PERURI SRINIVAS (19P35A0518), KOCHARLA SATYADEEP (19P35A0522), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**

Miss. SK. VAHIDA M.Tech  
Assistant Professor

  
**HEAD OF THE DEPARTMENT**

Dr. M. Anil Kumar, M.Tech., Ph.D.  
Professor

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**  
Aditya College of  
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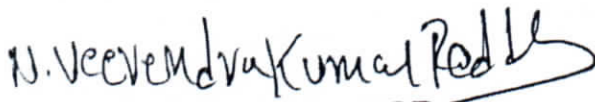
## Department of Computer Science and Engineering



### CERTIFICATE

This is to certify that the project work entitled, "IOT TEMPERATURE AND MASK SCAN ENTRY SYSTEM", is a bonafide work carried out by **CH. LAKSHMI ABITHA (18P31A0571.)**, **T.V.SATYAVATHI (17K61A05H1.)**, **SHRISTI (18P31A0598.)**, **K.RAJU (19P35A0521.)**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in **COMPUTER SCIENCE AND ENGINEERING** from Aditya College of Engineering and Technology, Surampalem, during the academic year 2021-2022.

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**PROJECT SUPERVISOR**

N.VEERENDRA, M.Tech.

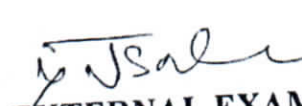
Assistant professor

  
**HEAD OF THE DEPARTMENT**

Dr. M. Anil Kumar, M.Tech., Ph.D.

Professor

**Head of the Department  
Dept. of CSE**

  
**EXTERNAL EXAMINER**  
**Aditya College of Engineering  
& Technology  
SURAMPALAM-533437**