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Affiliated to Madurai Kamaraj University
Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

AI BASED STREAMING ANALYTICS TOOLKIT FOR VIDEO PROCESSING IN ITS

A Project Submitted to Madurai Kamaraj University in partial fulfillment of the requirements for the award of degree of

M.Sc. (INFORMATION TECHNOLOGY)

Submitted By

2021MSIT02 - M.BHUVANESHWARI

Under The Guidance Of

Mrs I.Razul Beevi, MCA, SET,

Assistant Professor

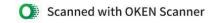
Department Of Information Technology



FATIMA COLLEGE (AUTONOMOUS) Re-Accredited with 'A+++' Grade by NAAC (4th Cycle)

Maryland, Madurai-625018

APRIL-2023





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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled "AI based streaming analytics toolkit for video processing in ITS." is the bonafide record work done by M.BHUVANESHWARI (2021MSIT02) in partial fulfillment for the award of the degree M.Sc. (INFORMATION TECHNOLOGY), Fatima College, Madurai.

Submitted for the viva-voce Examination held on 11 - 04 - 2023

Internal Examiner

Head of the Department



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T.Mayilvahanan E (Struct)... A.I.I.Arch., Ph.D (Transport) Inder Chairman & Managing Director



TO WHOMSOEVER IT MAY CONCERN

This is to confirm that Ms. BHUVANESHWARI M (REG.NO 2021MSIT02), Pursuing final year MSC[IT], FATIMA COLLEGE, MARY LAND, MADURAI has been selected to undergo her project work "AI BASED STREAMING ANALYTICS TOOLKIT FOR VIDEO PROCESSING IN ITS (Intelligent Transport System)" using Deep Stream at COS AI, Madurai from Dec 2022.

With Best Wishes,

(Dr.T.Mayilvahanan)

Managing Director - COS Al





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.T.Mayilvahanan E (Struct)., A.I.I.Arch., Ph.D (Transport) under Chairman & Managing Director



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. BHUVANESHWARI M (REG.NO 2021MSIT02), a student of MSc[IT], Final year, Fatima college (Automonous), Madurai, Tamil Nadu has successfully completed her major project, duration from Dec 2022 to Mar 2023 entitled "AI BASED STREAMING ANALYTICS TOOLKIT FOR VIDEO PROCESSING IN ITS (Intelligent Transport System) USING DEEP STREAM " at COS AI Madurai. During this period of her major project with us, she was punctual and inquisitive.

We wish her every success in life.

COS AI - Madurai.

(Dr.T.Mayilvahanan)

Authorisèd Signatory







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Affiliated to Madurai Kamaraj University Re-Accredited with 'A++' by NAAC (Cycle - IV) Mary Land, Madurai - 625018, Tamil Nadu

Edge-Al-Based Automated Number Plate Recognition System Using Deep Learning

A Project Submitted to Madurai Kamaraj University in partial fulfillment of the requirements for the award of degree of

M.Sc. (INFORMATION TECHNOLOGY)

Submitted By

2021MSIT03 - R.JEYA BRINDHA

Under The Guidance Of

Mrs. I. Razul Beevi, MCA, SET, Assistant professor Department Of Information Technology



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APRIL - 2023



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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that the Summer Internship Report entitled " Edge-AI-based automated number plate recognition using deep learning." is the bonafide record work done by R.JEYA BRINDHA (2021MSIT03) in partial fulfillment for the award of the degree M.Sc. (INFORMATION TECHNOLOGY), Fatima College, Madurai.

Submitted for the viva-voce Examination held on 11-04-2023

Head of the Department



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Affiliated to Madurai Kamaraj University Re-Accredited with 'A++' by NAAC (Cycle - IV) Mary Land, Madurai - 625018, Tamil Nadu

.Mayilvahanan (Struct)., A.I.I.Arch., Ph.D (Transport) nder Chairman & Managing Director



TO WHOMSOEVER IT MAY CONCERN

This is to confirm that Ms. JEYA BRINDHA R (REG.NO 2021MSIT03), Pursuing final year MSC[IT], FATIMA COLLEGE, MARY LAND, MADURAI has been selected to undergo her project work "AI-BASED REAL-TIME AUTOMATED NUMBER PLATE RECOGNITION SYSTEM" using Deep Learning at COS AI, Madurai from Dec 2022.

With Best Wishes,

(Dr.T.Mayilvahanan) Managing Director - COS AI

d Quarters: /13, Ground Floor, Kamaraj Nagar 4th St, kulam, Madurai - 625 002. TN 3500776 md@gmail.com

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Mayilvahanan (Struct)., A.I.I.Arch., Ph.D (Transport) nder Chairman & Managing Director



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. JEYA BRINDHA R (REG.NO 2021MSIT03), a student of MSc[IT],Final year, Fatima college (Automonous), Madurai,Tamil Nadu has successfully completed her major project , duration from Dec 2022 to Mar 2023 entitled "AI-BASED REAL-TIME AUTOMATED NUMBER PLATE RECOGNITION SYSTEM USING DEEP LEARNING" at COS AI Madurai. During this period of her major project with us, she was punctual and inquisitive.

We wish her every success in life.

COS AI - Madurai.

(Dr.T.Mayilvahanan)

Authorised Signatory



I Floor, Kamaraj Nagar 4th St, irai - 525 002. TN

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Affiliated to Madurai Kamaraj University Re-Accredited with 'A++' by NAAC (Cycle - IV) Mary Land, Madurai - 625018, Tamil Nadu

AI BASED AUTOMATED PARKING MANAGEMENT SYSTEM FOR MULTIPLEX MALL

Submitted in partial fulfillment of the requirements for the award of

Degree of

M.Sc. (INFORMATION TECHNOLOGY)

Of Madurai Kamaraj University

Submitted By

2021MSIT04 - A.KRISHNAVENI

Under The Guidance Of

Mrs I.RAZUL BEEVI, MCA, SET,

Assistant Professor of Information Technology

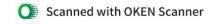


DEPARTMENT OF INFORMATION TECHNOLOGY

FATIMA COLLEGE (AUTONOMOUS)

MADURAI

APRIL 2023





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Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled "AI BASED AUTOMATED PARKING MANAGEMENT SYSTEM FOR MULTIPLEX MALL "is the bonafide record work done by, A.KRISHNAVENI (2021MSIT04) in partial fulfillment for the award of the degree M.Sc. (INFORMATION TECHNOLOGY), Fatima College, and Madurai.

Submitted for the viva-voce Examination held on _11-04-2023

Internal Examiner 3

Head of the Department



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Affiliated to Madurai Kamaraj University Re-Accredited with 'A++' by NAAC (Cycle - IV) Mary Land, Madurai - 625018, Tamil Nadu

Mayilvahanan Struct)., A.I.I.Arch., Ph.D (Transport) der Chairman & Managing Director



TO WHOMSOEVER IT MAY CONCERN

This is to confirm that Ms. A.KRISHNAVENI (REG.NO 2021MSIT04), Pursuing final year MSC[IT], FATIMA COLLEGE, MARY LAND, MADURAI has been selected to undergo her project work "AI BASED AUTOMATED PARKING MANAGEMENT SYSTEM FOR MULTIPLEX MALL" using Django Framework at COS AI, Madurai from Dec 2022.

With Best Wishes,

(Dr.T.Mayilvahanan) Managing Director - COS AI

and Floor, Kamaraj Nagar 4th S durai - 625 002.

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Mayilvahanan Struct)., A.I.I.Arch., Ph.D (Transport) nder Chairman & Managing Director



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. A.KRISHNAVENI (REG.NO 2021MSIT04), a student of MSc[IT], Final year, Fatima college (Automonous), Madurai, Tamil Nadu has successfully completed her major project, duration from Dec 2022 to Mar 2023 entitled "AI BASED AUTOMATED PARKING MANAGEMENT SYSTEM FOR MULTIPLEX MALL LISING DJANGO FRAMEWORK" at COS AI Madurai. During this period of her major project with us, she was punctual and inquisitive.

We wish her every success in life.

COS AI - Madurai.

(Dr.T.Mayilvahanan)

Authorised Signatory



d Quarters: 6/13, Ground Floor, Kamaraj Nagar 4th St, akulam, Madurai - 625 002, TN cmd@gmail.com

w.cosai.in

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Branch Office : Banglore | Chennai





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Mary Land, Madurai - 625018, Tamil Nadu

IMAGE ANNOTATION TOOL USING DEEP LEARNING

A Project Submitted to Madurai Kamaraj University in partial fulfillment of the requirements for the award of degree of

M.Sc. (INFORMATION TECHNOLOGY)

Submitted By

2021MSIT05 - S.PRIYANKA

Under The Guidance Of

Mrs.I.Razul Beevi MCA,SET,

Assistant Professor

Department Of Information Technology

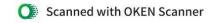


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Maryland, Madurai-625018

APRIL - 2023





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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that the Project Report entitled "IMAGE ANNOTATION TOOL USING DEEP LEARNING" is the bonafide record work done by, S.PRIYANKA (2021MSIT05) in partial fulfillment for the award of the degree M.Sc (INFORMATION TECHNOLOGY), Fatima College, Madurai.

Submitted for the viva-voce Examination held on 11-04-2023

nal Examiner Head of the Department

Scanned with OKEN Scanner

External Examiner



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layilvahanan ruct), A.I.I.Arch, Ph.D (Transport) er Chairman & Managing Director



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This is to confirm that Ms. S.PRIYANKA (REG.NO 2021MSIT05), Pursuing final year MSC[IT], FATIMA COLLEGE, MARY LAND, MADURAI has been selected to undergo her project work "IMAGE ANNOTATION TOOL" using Deep Learning at COS AI, Madural from Dec 2022.

With Best Wishes,

(Dr.T.Mayilvahanan) Managing Director - COS AI

13, Ground Floor, Kamaraj Nagar 4th St,

usai in

ilam, Madurai - 625 002, TN d@gmal.com

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Branch Office : Banglore | Chennai



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Re-Accredited with 'A++' by NAAC (Cycle - IV)
Mary Land, Madurai - 625018, Tamil Nadu

Mayilvahanan ruct) , A.H.Arch., Ph.D (Transport) er Chairman & Managing Director



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We wish her every success in life.

COS AI - Madurai.

(Dr.T.Mayilvahanan)

Authorised Signatory

COS AN MADURIN

Quatters: 13. Ground Floor, Kamaraj Nagar 4th St, elam, Madurai - 625 002. TN 3500776 id⊕gmail.com

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Branch Office : Banglore | Chennai

