

**MANGALORE**



**UNIVERSITY**

Accredited by NAAC with "A" Grade

**DEPARTMENT OF POST-GRADUATE STUDIES AND  
RESEARCH IN COMPUTER SCIENCE**

**MANGALAGANGOTRI-574199**

**CERTIFICATE**

This is to certify that the project entitled "AUTOMATIC HAND-DRAWN IMAGE TO HTML TRANSFORMATION MODEL", has been successfully carried out by AC BAZIGATHIUNNISHA KADEEJA (Reg no: 169621701) a student of sixth semester MCA, under the supervision and guidance of **Dr.DORESWAMY**, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University Mangalagangothri- 574199. This Project is submitted in partial fulfillment for the award of **Degree in Master of Computer Application** by Mangalore University during the academic year 2019

  
Internal Guide

  
**Chairman**  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA

Internal Examiner

External Examiner

Submitted for Viva-examination held on.....



## InHawk IT Solutions Pvt. Ltd.

# 1413, 1<sup>st</sup> Floor, 12<sup>th</sup> 'B' Cross, 6<sup>th</sup> Main, WCR 2<sup>nd</sup> Stage, Mahalakshmiuram, Bengaluru 560086.  
Phone: +91 80 2359 0486 | email: info@inhawk.com | Website: www.inhawk.com

Date: 12<sup>th</sup> June 2019

To Whom So Ever It May Concern

This is to certify that **Miss. Chaithra N. I** (Registration No: 169521702) has undertaken an internship with project from our organization InHawk IT Solutions Pvt Ltd, Bangalore carried out for the period from Jan 2019 to June 2019.

During the internship intern has undertaken project "Online Application For Revaluation Photo Copy" under the guidance of **Mr. Chandrashekar Erumal**, Project Manager and she has successfully completed her internship in our organization.

We wish her success in future endeavors.

Yours Sincerely,

*Echandra*  


InHawk IT Solutions Pvt Ltd.

**MANGALORE**



**UNIVERSITY**

**Accredited by NAAC with "A" Grade**

**DEPARTMENT OF POST-GRADUATE STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANGOTTHRI-574199**

**CERTIFICATE**

This is to certify that the project entitled "**IOT BASED GAS AND FIRE ALERT**", has been successfully carried out by **Mahammad Nowfal** (Reg no: 169621704) a student of sixth semester MCA, under the supervision and guidance of **Mr. Prakash M, Assistant Professor**, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University Mangalagangothri- 574199. This Project is submitted in partial fulfillment for the award of **Degree in Master of Computer Application by Mangalore University** during the academic year 2018-2019

  
**Internal Guide**

**Internal Examiner**

  
**Chairperson**  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA

**External Examiner**

**Submitted for Viva-examination held on.....**



## Dataqueue Systems

Date: 01/06/2019

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms Naziya M.Z (169621706) Student of Mangalore University , have worked on the project titled "Accident Notification System". This Project is partial requirements for the fulfilment of degree "Master of Computer Application", carried out during the academic year Feb 2019 – May 2019. During her tenure with us she had shown good logical and analytical skills and her conduct was good.

Further it is certified that, to the best of my knowledge that the matter embodied in this work has not been submitted for the award of any other degree.

Project Coordinator,  
Dataqueue System Mangalore.

**Dataqueue Systems**  
5th Floor, Shalimar Complex,  
Next to MAK Mall,  
Kankanady Mangaluru Karnataka

5th Floor, Shalimar Complex, Next to MAK Mall,  
Kankanady, Mangaluru, Karnataka  
contactus@dataqueuesystems.com,web: www.dataqueuesystems.com



**TechCiti Technologies Private Limited.**

CIN: U72200KA2013PTC068461  
No. 22 23 24 25/101, BNR Complex, Road, J.P. Nagar 7<sup>th</sup> Phase,  
Bengaluru, Karnataka 560078.

Ref. No.: TTPL/2019-20/HRD/INT852  
Date: 27<sup>th</sup> May, 2019

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Mr. **Ontigodi Shashi Kumara** has successfully completed his internship with our company, he has been working on the project title "A Comparative Analysis for Credit Card using Supervised Learning" from 25.12.2018 to 27.05.2019 as "Software Developer - Intern".

We have found him to be a self-starter who is motivated, duty-bound and hardworking. He has worked sincerely on his assignments and his performance is at par excellence.

We wish him all the best for his future endeavors.



**Prateek Sagar**  
Manager  
HR-Operations  
TechCiti Technologies Private Limited.

Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7<sup>th</sup> Phase, Bengaluru, Karnataka 560078.  
Landline: 080 2698 1300 Email: support@techciti.in Web: www.techciti.in



**TechCiti Technologies Private Limited.**

CIN: U72200KA2013PTC068461  
No. 22 23 24 25/101, BNR Complex, Road, J.P. Nagar 7<sup>th</sup> Phase,  
Bengaluru, Karnataka 560078.

Ref. No.: TTPL/2019-20/HRD/INT883  
Date: 15<sup>th</sup> May, 2019

TO WHOMSOEVER IT MAY CONCERN

We would like to inform you that Ms. Pooja H K has successfully completed her internship with our company, she has been working on the project title "**Vehicle Re-Identification Based On Coupled Dictionary Learning**" from 11.02.2019 to 10.05.2019 as "Software Developer – Intern".

We have found her to be a self-starter who is motivated, duty-bound and hardworking. She has worked sincerely on her assignments and her performance is at par excellence.

We wish her all the best for her future endeavors.

Sincerely,



**Netra Sagar**  
Manager  
HR-Operations  
TechCiti Technologies Private Limited.

Registered office: No. 22 23 24 25/101, BNR Complex, J.P. Nagar 7<sup>th</sup> Phase, Bengaluru, Karnataka 560078.  
Landline: 080 2698 1300 Email: support@techciti.in Web: www.techciti.in



## InHawk IT Solutions Pvt. Ltd.

# 1413, 1<sup>st</sup> Floor, 12<sup>th</sup> B' Cross, 6<sup>th</sup> Main, WCR 2<sup>nd</sup> Stage, Mahalakshmpuram, Bengaluru 560086.  
Phone: +91 80 2359 0486 | email: info@inhawk.com | Website: www.inhawk.com

Date: 11<sup>th</sup> June 2019

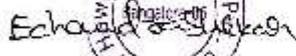
To Whom So Ever It May Concern

This is to certify that Miss. Pooja R (Registration No: 169521709) has undertaken an internship with project from our organization InHawk IT Solutions Pvt Ltd. carried out for the period from Jan 2019 to June 2019.

During the internship intern has undertaken project "Online University Examination Registration and fee Payment Portal" under the guidance of Mr. Chandrashekar Erumal. Project Manager and she has successfully completed her internship in our organization.

We wish her success in future endeavors.

Yours Sincerely,


InHawk IT Solutions Pvt Ltd.

**MANGALORE**



**UNIVERSITY**

Accredited with 'A' Grade by NAAC

**DEPARTMENT OF POST GRADUATION STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANGOTHI - 574 199**

**CERTIFICATE**

This is to certify that the project work entitled "AIR QUALITY MONITORING SYSTEM" has been successfully carried out in the Post-Graduate Studies and Research in Computer Science by **Mr. SURAJ (Reg.No:169621710)**, a student of Fourth semester MCA (Master of Computer Application), under the supervision and guidance of **Dr. Manjiah D H** Professor & Chairman Department of Post Graduate Studies and Research in Computer Science, Mangalore University. The dissertation is partial fulfilment of the requirements for the award of Master of Computer Application by Mangalore University during the academic year 2018-2019.

*[Signature]*  
Internal Guide

Internal Examiner

*[Signature]*  
Chairman  
Department of Post Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for the viva-voice examination held on \_\_\_\_\_

**MANGALORE**



**UNIVERSITY**

Accredited by NAAC with "A" Grade

**DEPARTMENT OF POST-GRADUATE STUDIES AND  
RESEARCH IN COMPUTER SCIENCE**

**MANGALAGANGOTRI-574199**

**CERTIFICATE**

This is to certify that the project entitled "VEHICLE PARKING SYSTEM", has been successfully carried out by AISHWARYA K P (Register no: 169621711) a student of sixth semester MCA, under the supervision and guidance of Dr.H. L SHASHIREKHA, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University Mangalagangothri- 574199. This Project is submitted in partial fulfillment for the award of Degree in Master of Computer Application by Mangalore University during the academic year 2019

*Ukashinetha*  
Internal Guide

Internal Examiner

*Chalman*  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University Mangalagangothri- 574 199  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for Viva-examination held on.....

MANGALORE



UNIVERSITY

Accredited with 'A' Grade by NAAC

DEPARTMENT OF POST GRADUATION STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANGOTHRI -574 199

**CERTIFICATE**

This is to certify that the project work entitled "**Human Activity Recognition Based on Machine Learning Algorithm using Smartphone Sensor Dataset**" has been successfully carried out in the Post-Graduate Studies and Research in Computer Science by **Ms.FathimSamreen** (Reg.No:169621713), a student of Sixth semester MCA(Master of Computer Application), under the supervision and guidance of **Dr.Prof. Dorceswamy**, Professor, Department of Post Graduate Studies and Research in Computer Science, Mangalore University. The dissertation is partial fulfilment of the requirements for the award of **Master of Computer Application** by Mangalore University during the academic year 2018-2019.

  
Internal Guide

Internal Examiner

  
Chairman  
Department of Post Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for the viva-voice examination held on \_\_\_\_\_

**MANGALORE**



**UNIVERSITY**

Accredited with 'A' Grade by NAAC

**DEPARTMENT OF POST GRADUATION STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANTHRI -574 199**

**CERTIFICATE**

This is to certify that the project work entitled "WEATHER MONITORING SYSTEM" has been successfully carried out in the Post-Graduate Studies and Research in Computer Science by Ms KRITHIKA (Reg.No:169621714), student of Sixth semester MCA(Master of Computer Application), under the supervision and guidance of Dr. Manjiah D H, Professor & Chairman, Department of Post Graduate Studies and Research in Computer Science, Mangalore University. The dissertation is partial fulfilment of the requirements for the award of Master of Computer Application by Mangalore University during the academic year 2018-2019.

**Internal Guide**

**Internal Examiner**

**Chairperson**

Department of Post-Graduate Studies and Research in Computer Science  
Mangalore University, Mangalagantiri - 574 199  
MANGALORE, KARNATAKA

**External Examiner**

Submitted for the viva-voice examination held on \_\_\_\_\_

**MANGALORE**



**UNIVERSITY**

Accredited with 'A' Grade by NAAC

**DEPARTMENT OF POST GRADUATION STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANGOTTHRI -574 199**

## **CERTIFICATE**

This is to certify that the project work entitled "DETECTION OF FAKE IMAGE" has been successfully carried out in the Post-Graduate Studies and Research in Computer Science by **Ms. MAMATHA.R (Reg.No:169621715)**, a student of Sixth semester MCA(Master of Computer Application), under the supervision and guidance of **Dr. H.L Shashirekha**, Professor, Department of Post Graduate Studies and Research in Computer Science, Mangalore University. The dissertation is partial fulfilment of the requirements for the award of **Master of Computer Application** by **Mangalore University** during the academic year **2018-2019**.

*W. S. S. S.*  
**Internal Guide**

*M. S. S.*  
**Chairperson**

*Chairman*  
**Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA**

**Internal Examiner**

**External Examiner**

Submitted for the viva-voice examination held on \_\_\_\_\_

**MANGALORE**



**UNIVERSITY**

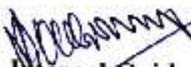
Accredited by NAAC with "A" Grade

**DEPARTMENT OF POST-GRADUATE STUDIES AND  
RESEARCH IN COMPUTER SCIENCE**

**MANGALAGANGOTRI-574199**

**CERTIFICATE**

This is to certify that the project entitled "**VOICE CONTROLLED HOME AUTOMATION SYSTEM**", has been successfully carried out by **RAKSHITHA UCHIL** (Reg no: 169621717) a student of sixth semester MCA, under the supervision and guidance of **Dr.DORESWAMY**, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University Mangalagangothri- 574199. This Project is submitted in partial fulfillment for the award of **Degree in Master of Computer Application by Mangalore University** during the academic year 2019

  
Internal Guide

Internal Examiner

  
Chairperson  
Chairman  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University Mangalagangothri- 574 199  
MANGALORE, KARNATAKA, INDIA

Submitted for Viva-examination held on.....

**MANGALORE**



**UNIVERSITY**

Accredited with 'A' Grade by NAAC

**DEPARTMENT OF POST GRADUATION STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANGOTRI -574 199**

**CERTIFICATE**

This is to certify that the project work entitled "ACCIDENT AVOIDANCE SYSTEM" has been successfully carried out in the Post-Graduate Studies and Research in Computer Science by Ms SAFNAZ(Reg.No:169621718), student of Sixth semester MCA(Master of Computer Application), under the supervision and guidance of Dr. Manjaiah D H, Professor & Chairman, Department of Post Graduate Studies and Research in Computer Science, Mangalore University. The dissertation is partial fulfilment of the requirements for the award of Master of Computer Application by Mangalore University during the academic year 2018-2019.

Internal Guide

Internal Examiner

Chairman  
Department of Post-graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for the viva-voice examination held on \_\_\_\_\_

**MANGALORE**



**UNIVERSITY**

Accredited by NAAC with "A" Grade

**DEPARTMENT OF POST-GRADUATE STUDIES AND  
RESEARCH IN COMPUTER SCIENCE**

**MANGALAGANGOTRI-574199**

**CERTIFICATE**

This is to certify that the project entitled "Fraud Detection on Bank Payments", has been successfully carried out by SHANI P.R (Reg no: 169621719) a student of sixth semester MCA, under the supervision and guidance of **Dr.H.L.Shashirekha**, Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University Mangalagangothri- 574199. This Project is submitted in partial fulfillment for the award of **Degree in Master of Computer Application by Mangalore University** during the academic year 2019

*Shashirekha*  
Internal Guide

Internal Examiner

*Chairman*  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University Mangalagangothri-574199  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for Viva-examination held on.....

**MANGALORE**



**UNIVERSITY**

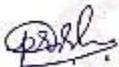
Accredited by NAAC with "A" Grade

**DEPARTMENT OF POST-GRADUATE STUDIES AND  
RESEARCH IN COMPUTER SCIENCE**

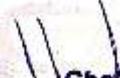
**MANGALAGANGOTRI-574199**

**CERTIFICATE**

This is to certify that the project entitled "IOT based security system for restricted room", has been successfully carried out by SOUCHITHIA H S (Reg no: 169621720) a student of sixth semester MCA, under the supervision and guidance of PRAKASHA M Assistant Professor, Department of Post-Graduate Studies and Research in Computer Science, Mangalore University Mangalagangothri- 574199. This Project is submitted in partial fulfillment for the award of Degree in Master of Computer Application by Mangalore University during the academic year 2019

  
Internal Guide

Internal Examiner

  
Chairman  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for Viva-examination held on.....

**MANGALORE**



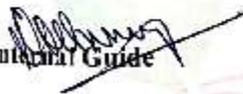
**UNIVERSITY**

Accredited with 'A' Grade by NAAC

**DEPARTMENT OF POST GRADUATION STUDIES AND  
RESEARCH IN COMPUTER SCIENCE  
MANGALAGANGOTRI -574 199**

**CERTIFICATE**

This is to certify that the project work entitled "VOICE CONTROLLED LED DISPLAY" has been successfully carried out in the Post-Graduate Studies and Research in Computer Science by Ms. SUSHMITHA G N (Reg.No:169621721), a student of Sixth semester MCA(Master of Computer Application), under the supervision and guidance of Dr.Prof. Doreswamy, Professor, Department of Post Graduate Studies and Research in Computer Science, Mangalore University. The dissertation is partial fulfilment of the requirements for the award of Master of Computer Application by Mangalore University during the academic year 2018-2019.

  
Internal Guide

Internal Examiner

  
Chairperson  
Department of Post-Graduate Studies and  
Research in Computer Science  
Mangalore University, Mangalagangothri - 574 199  
MANGALORE, KARNATAKA, INDIA

External Examiner

Submitted for the viva-voice examination held on \_\_\_\_\_