



**REVA**  
UNIVERSITY

Bengaluru, India



## Supporting Documents for Minor Project AY-2021-22



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**BE FRESH**” carried out under my guidance for **Suman K R, Sudeep K U, Vighnesh S, Yashas C** Team members and SRN R19cs338, R19cs334, R19cs371, R19cs380 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



**Signature**  
**Guide**



**Signature**  
**Deputy Director**

**Name of the Examiner**

**Signature**

1.

Dr. T. Prasad



2.

Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Weapon Detection in CCTV Live Stream**” carried out under my guidance for **Mohammed Afthab, Meghanath S Shetty, Narayanam R V S R Srinivasulu, N Soma Sekhar Reddy** Team members and SRN R20CS811, R20CS810, R19CS210, R19CS215 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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**Name of the Examiner**

**Signature**

1.

Dr. T. Prasanna



2.

Anwar Basheer H.





**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Blood Bank Management System**” carried out under my guidance for **Dheeraj M R, S Roshan Dharan, Bharath Srinivas**, Team members and SRN R19CS392, R19CS425, R19CS386, bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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1.

Dr. T. Prasanna



2.

Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**BREATH**” carried out under my guidance for **Shivansh Murjani, Sathwik H Naik, Ronit Sachdev, Likitha S** Team members and SRN R19CS308, R19CS292, R19CS263, R19CS476 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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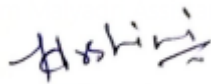




**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certify that the Mini-Project entitled “**ONLINE BASIC LIBRARY MANAGEMENT SYSTEM HOSTED ON AMAZON WEB SERVICES (AWS)**” carried out under my guidance for **Aaron Y Isaac, Anirudh KP, Anirup Guhathakurata, Aryan Gupta** Team members and SRN R19CS006, R19CS028, R19CS030, R19CS044 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfillment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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**Name of the Examiner**

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1.

Dr. T. Prasad



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Online Library Management System**” carried out under my guidance for **N Varshitha, N Naveena, Divya Shenoy, DIMPLE K** Team members and SRN R19CS205, R19CS208, R19CS466, R19CS465 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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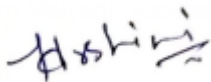




**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Stock Market Prediction**” carried out under my guidance for **Sandesh Saidapur, Sanjay CR, Sanjay J, Jyotish M J** Team members and SRN R19CS287, R19CS288, R19CS289, R19CS172 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Deploying High Available Textile Website using AWS S3**” carried out under my guidance for **S Pratheek, Sachin Manjunath, Saikiran M, Manoj Kumar** Team members and SRN R19CS268, R19CS269, R19CS277, R19CS257 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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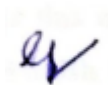




**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Covid Tracker Website and a Blockchain-based Framework for Transparent Medical supplies in Covid-19 Pandemic**” carried out under my guidance for **Nathaniel David, Jeswin Santosh, Mohammed Sadiq, Sandhya Durga.P.B** Team members and SRN R19CS414, R19CS398, R19CS409, R19CS428 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



**Signature**  
**Guide**



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**Signature**

1.

Dr. T. Prasad



2.

Anwar Basha . H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Soil Mositure Checker and Cattle Graze Detector**” carried out under my guidance for **Sahana. M, Shivani Yadav, Sahana. S. M,** Team members and SRN R19CS275, R19CS306, R19CS276, bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Online Library Management System**” carried out under my guidance for **Bhoomika . P, Anjali C, Aishwarya Ravichandran, Anusha M** Team members and SRN R19CS058, R19CS032, R19CS016, R19CS039 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Online Banking System**” carried out under my guidance for **Shaik Ruhul Ameen, Shaik Mohammad Zahid, Salmon K**, Team members and SRN R19CS300, R19CS298, R19CS282, bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Text-to-Speech using AWS polly**” carried out under my guidance for **Shaik Katwal Rizwan, Shaik Rehan Hussain, Saleem Sultani**, Team members and SRN R19CS296, R19CS299, R19CS454, bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.

*K. Gan Kumar A*

**Signature**

**Guide**



**Signature**

**Deputy Director**

**Name of the Examiner**

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1.

*Dr. T. Prasanna*



2.

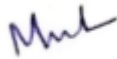
*Anwar Basheer H.*



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Online Food Management System**” carried out under my guidance for **G.Mokshagna, E.Vamshi Krishna, G.Nithin, G.Bharath** Team members and SRN R19CS109, R19CS099, R19CS107, R19CS108 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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2.

Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Online Compiler using Cloud**” carried out under my guidance for **Angaj A, Bhuvan Y, Bhanu Prakash, Anudeep S** Team members and SRN R19CS027, R19CS059, R19CS056, R19CS036 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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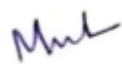
Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Food Order App**” carried out under my guidance for **A Renard Avinash, Abhilash S, Arun Jenson, Akash B N** Team members and SRN R19CS001, R19CS010, R19CS043, R19CS019 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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Dr. T. Prasanna



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Food Supply Chain Management using Blockchain Technology**” carried out under my guidance for **Abhishek Chougule, Aftab Ahmed G, Anirudha Patil, Ashish J Galagali** Team members and SRN R19CS012, R19CS015, R19CS029, R19CS045 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.

*Kishan Kumar A*

**Signature**

**Guide**



**Signature**

**Deputy Director**

**Name of the Examiner**

**Signature**

1.

*Dr. T. Prasad*



2.

*Anwar Basha . H.*



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**E-Commerce website for Textile retailers using AWS**” carried out under my guidance for **Aditya, Aditya Hegde, V.Chiranjeevi, Mithun Raj S R** Team members and SRN R19CS013, R19CS014, R19CS063, R19CS061 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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**Deputy Director**

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**Signature**

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Dr. T. Prasanna



2.

Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Smart Traffic Handling App**” carried out under my guidance for **Bharath H V, Sunil Seervi, Harshitha G L, Aditi B J** Team members and SRN R19cs329, R19cs340, R19CS477, R19CS321 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.

K. Gan Kumar A

**Signature**

**Guide**



**Signature**

**Deputy Director**

**Name of the Examiner**

**Signature**

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Dr. T. Prasanna



2.

Anwar Basheer H.





**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**Anxiety Prediction**” carried out under my guidance for **Tejashwini N.T, Veeresh Kumar, Vishal Banakar, Sujan H B** Team members and SRN R19CS350, R19CS368, R19CS457, R19CS337 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certified that the Mini-Project entitled “**HeartX: Heart Disease Prediction System**” carried out under my guidance for **Tanvi Jain, T.M Namratha, Vismaya S,** Team members and SRN R19CS348, R19CS347, R19CS374, bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certify that the Mini-Project entitled “**Currency Converter Chatbot**” carried out under my guidance for **Vikramaditya, Suhas Reddy Br, Vidya Suman RP, Veluri Raviram Nikhil** Team members and SRN R19CS372, R19CS336, R19cs370, R19CS369 bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



**Signature**  
**Guide**



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**Deputy Director**

**Name of the Examiner**

**Signature**

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Dr. T. Prasanna



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Anwar Basheer H.



**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**CERTIFICATE**

This is to certify that the Mini-Project entitled “**Smart Farming using Arduino**” carried out under my guidance for **Tarun G, Thurumalasetty Sri Sai Charan, THAPPETA SAMARA SIMHA REDDY**, Team members and SRN R19CS349, R19CS353, R19CS352, bonafide students of REVA University during the academic year 2022-23. The above-mentioned students are submitting the Mini-Project report in partial fulfilment for the award of Bachelor of Technology in Computer Science and Engineering during the academic year 2022-23. The Mini-Project report has been approved as it satisfies the academic requirements in respect of Mini-Project work prescribed for the said degree.



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**Guide**



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2.

Anwar Basheer H.





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

Certified that the mini project work entitled “**Implementation of Virtual Telepresence Robot**” carried out under my guidance by **Mr. C N Nikhil Varma(R19EC042)**, **Ms. Deepa H K (R19EC057)**, **Ms. Chandana M S (R19EC048)** and **Mr. Adarsh B (R19EC009)** bonafide students of REVA University during the academic year 2021-2022, are submitting the project report in partial fulfillment for the award of **Bachelor of Technology in Electronics and Communication Engineering** during the academic year 2021-2022. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

  
Signature with date

**Prof. Pallavi R.**  
Guide

Signature with date

**Dr. M Dhanamjaya**  
Vice Chancellor


**Name of the Examiner with affiliation**

1. 
2. 

  
Signature with date

**Director**  
**School of Electronics & Communication Engineering**  
**REVA University, Rukmini Knowledge Park**  
**Kattigenahalli, Yelahanka, Bengaluru - 560 084**

**Signature with Date**

  
**M.G. Asuthi**  
**20/05/22**

## SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING

### CERTIFICATE

Certified that the project work entitled "SOLDIER HEALTH AND POSITION TRACKING SYSTYEM" carried out under my guidance by S.PRANAY KUMAR (R19EC251) a bonafide student of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2021-22. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature with date



**Prof. Dr. R Venkata Siva Reddy**

**(Guide)**

Signature with date



Director

School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Bengaluru - 560 064

Signature with date

\_\_\_\_\_  
**Dr. M Dhanamjaya**  
Vice Chancellor

Name of the Examiner with affiliation

1. Dr. Nayana Dik -
2. Dr. Manjunath G. Ashu

Signature with Date



M.G. Asuti  
20/05/22





**REVA**  
**UNIVERSITY**

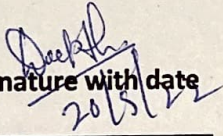
Bengaluru, India

**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

Certified that the project work entitled "Arduino based alcohol detection alert with engine lock" carried out under the guidance by Anup Srinivas Pukale, Abhilash GK, Charan N, Chandan Kumar L, a bonafide student of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2021-22. This mini project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature with date

  
20/05/22

**Dr Deepthi Murthy T S**  
(guide)

Signature with date



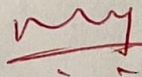
**Dr. R. C. Biradar**  
**Director**  
**School of Electronics &**  
**Communication Engineering**  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Signature with date

**Dr. M Dhanamjaya**  
Vice Chancellor

**Name of the Examiner with affiliation** **Signature with Date**

1. **Dr. Nayana. D. K.**



2. **Dr. Manjunath G. Asoti**

**M. G. Asoti**  
20/05/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

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Signature with date

Dr Deepthi Murthy T S  
(guide)

Signature with date

Signature with date

Dr. M Dhanamjaya  
Vice Chancellor

Name of the Examiner with affiliation Signature with Date

1. Dr. Nayana D. K.

2. Dr. Manjunath G. Asuti

M. G. Asuti  
20/05/22

Dr. R. C. Biradar  
Director  
School of Electronics &  
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REVA University, Rukmini Knowledge Park  
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**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING  
CERTIFICATE**

Certified that the project work entitled "GCC COMPILER CHARACTERIZATION USING GPROF" Carried out under my guidance by Kushal M jadav (R19EC123) Omkar S I(R19EC171),Nithin P(R19EC169),Nikhil Rao G S(R19EC166) bonafide students of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2021-22. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature with date

Prof. Anil Kumar C S (guide)

Signature with date

Dr. R. C. Biradar  
(Director)

Signature with date

Dr. M. Dhananjaya  
Vice Chancellor

Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

**External Examiner**

Name of the Examiner with affiliation | Signature with Date

1. Dr. Nayana D. K.
2. Dr. Manjunath G. Asuti

Signature with Date  
20/05/22  
M. G. Asuti  
20/05/22



**REVA**  
**UNIVERSITY**

Bengaluru, India

## **SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

### **CERTIFICATE**

Certified that the project work entitled "**IMAGE DENOISING TECHNIQUES ON MEDICAL AND MICROSCOPIC IMAGES**" carried out under the guidance of DR. DEEPTHI MURTHY, Asst. Prof by , M . SUMIT REDDY (R19EC128) , G . KRISHNA CHAITANYA (R19EC079), K . BILVA SAI (R19EC121), V . DURGESH (R19EC308) , bonafide students of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfilment for the award of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2021-22. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 10%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

*Deepthi*  
*20/5/22*

**Signature with date**

**Dr. Deepthi Murthy T.S, Asst. Prof  
(Guide)**

*R.C.*

**Signature with date**

**Dr. R.C. Biradar  
(Director)**

**School Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064**

**Name of the Examiner with affiliation**

1. *Dr. Nayana. D.K.*

2. *Dr. Manjunath. G. Abuli*

**Signature with Date**

*Nayana*  
*20/5/22*

*M.G. Abuli*  
*20/05/22*



**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

Certified that the project work entitled "**AUTOMATIC IAP MEASUREMENT SYSTEM**" carried out under the guidance of Asst. Prof. Dr. M. Venkatesh by Sandeep M, Pavan Kumar Reddy P, Sashi kumar reddy R, Chetan sowrya P bonafide students of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of **Bachelor of Technology in Electronics and Communication Engineering** during the academic year **2021-22**. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Guide

  
Signature with date

Signature with date



Dr. R.C. Biradar

Director  
Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yalahanka, Bengaluru - 560 064

**Name of the Examiner with affiliation Signature with Date**

1. 

2. 



M. G. Asuti  
20/05/22



**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

Certified that the project work entitled "**Filth detection using YOLOv4-tiny algorithm**" carried out under the guidance of Prof. Nitya.S by **Shalini.V, Sangeetha.J.P, Prajna.P.K, Paturu Bharathi**, bonafide students of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of Bachelor of Technology in **Electronics and Communication Engineering** during the academic year 2021-22. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
20/5/22

Signature with date

Nitya. S  
(guide)



Signature with date

Dr. R.C. Biradar

Director

School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

**Name of the Examiner with affiliation**

**Signature with Date**

1. **Dr - Nayana. Dte -**
2. **Dr. Manjunath. G. Asuti**


  
20/5/22

M.G. Asuti  
20/05/22


### CERTIFICATE

Certified that the project work entitled “**Design and Development of Autonomous Driving Car using Nvidia Jetson Nano**” carried out under my / our guidance by **Mr. Harshavardhan V.S(R19EC089)**, **Mr. Dhruv S(R19EC066)**, **Ms. Aswini Shri C.V(R19EC027)**, **Ms. Ayushi Kumari(R19EC031)** bonafide students of REVA University during the academic year 2021-22, are submitting their project report in partial fulfillment for the award of **Bachelor of Technology in Electronics and Communication Engineering** during the academic year 2021-22. The project report has been tested for plagiarism, and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature with date

  
20/5/2022  
Dr. Manjunath Kounte  
Guide

Signature with date

  
Director  
School of Electronics &  
Communication Engineering  
REVA University, Rokmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064  
Dr. R. C. Biradar  
Director


Signature with date

\_\_\_\_\_  
Dr. M Dhananjaya  
Vice Chancellor

Name of the Examiner with affiliation

Signature with Date

1. Dr. Nayana. D. -
2. Dr. Manjunath. G. Asuti

  
20/5/22  
M. G. Asuti  
20/05/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**CERTIFICATE**

Certified that the project work entitled "Smart glasses multimeter" carried out under my guidance by *Mr. K Dhaneswara Reddy (R19EC306) D Suryanarayana Reddy (R19EC056) B Varun Kumar Reddy (R19EC034) C L Vamsi Krishna Reddy (R19EC041)* a bonafide student of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2021-22. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
Signature with date

Prof. Ravi Shankar D  
(guide)

  
Signature with date

Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Signature with date

Dr. M Dhananjay  
Vice Chancellor


Name of the Examiner with affiliation

Signature with Date

1. Dr. Nayana



2. Dr. Manjunath, G. Asuti

  
20/05/22



## SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING

### CERTIFICATE

Certified that the project work entitled “RFID Door Lock System With LCD Display” carried out under my guidance of Dr. VENTESHAPPA, Asst. Prof by, M Karthik Yadav(R20EC816), Mahesh Kumar K(R20EC820), Gagan GK(R20EC810), Santhosh UP(R20EC843) a bonafide student of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of Bachelor of Technology in Electronics and Communication Engineering during the academic year 2021–22. The project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25%. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature with date

Dr. VENTESHAPPA, Prof  
(Guide)

Signature with date

Dr. R. C. Bradar  
Director  
School of Electronics &  
Communication Engineering  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Name of the Examiner with affiliation

1. Dr. Nayana.
2. Dr. Manjunath. G. Asuti

Signature with Date

M. G. Asuti  
20/05/22



## School of Management Studies

### Minor Project list for 2020 batch (BBA-E\_5th Semester)- 2021-2022

Sl. No	SRN	Name of the Student
1	R20BM801	ABHISHEK C V
2	R20BM802	ABHISHEK L V
3	R20BM803	ABHISHEK SHARMA
4	R20BM804	AKULA RAGHURAM TATAJI
5	R20BM805	ASHWIN FENIL
6	R20BM806	CHAITHANYA G S
7	R20BM807	CHALLA NIKHIL ROY
8	R20BM808	D HARMINA
9	R20BM809	FAIZAN RASOOL BHAT
10	R20BM810	IQRA MANSOOR
11	R20BM811	JASHIKA MOHAN KUMAR H
12	R20BM812	K S SAI ANANTHA SANKAR
13	R20BM813	KARISHMA PATNI
14	R20BM814	KARTHICK RAJA M
15	R20BM816	KOUSHIK REDDY CHINNAKKAGARI
16	R20BM817	MANAN BANSAL
17	R20BM818	MARUBOYINA MANOHAR
18	R20BM819	MELVIN GLENFORD B
19	R20BM820	MULA VENKATA NISHITH KUMAR REDDY
20	R20BM821	NANDITHA G
21	R20BM822	POSIMREDDY VENKATA SATHWIK REDDY
22	R20BM823	PRANAV M
23	R20BM824	RAJ RATHAN A
24	R20BM825	S GANAVEE
25	R20BM826	SANJANA H B
26	R20BM827	SANJEEV KUMAR V S
27	R20BM828	SESHANK AYUSH ARUMALLA
28	R20BM829	SHARON D SILVA
29	R20BM830	SHRESHTHA ANAND
30	R20BM831	SYED SOHAIB ADNAN
31	R20BM832	TURAKA VIKRANTH REDDY
32	R20BM833	VARSHA JAIN
33	R20BM834	VARUN H U
34	R20BM835	YASHIRENLA
35	R20BM836	AJAY KUMAR M
36	R20BM838	PRANSHU VINOD MISHRA
37	R20BM839	SHREYAS V PATIL

38	R20BM840	SIDHARTH A
39	R20BM841	U MANISH
40	R20BM842	V H RISHITHA
41	R20BM843	GHORI MOHAMMED JABIRUDDIN
42	R20BM844	MENAL N
43	R20BM845	KRISHNARAO K G S
44	R20BM846	MORUSUPALLI VAISHNAVI
45	R20BM847	ROHIT JAIN





**SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

**EMBEDDED SYSTEMS AND IOT IN  
ECLECTECH INNOVATIONS, BENGALURU**

**Submitted in fulfilment of the requirements for the award of the Degree of  
BACHELOR OF BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENURSHIP**

**Submitted to:**

**Prof. Nagaraju L.G.**

**School of Management Studies**

**REVA University**

**Submitted by:**

**Abhishek C V**

**R20BM801**



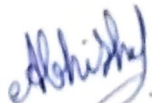
## DECLARATION

I, Mr. Abhishek C V student of BBA Entrepreneurship, belonging to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "**Internship Report on Embedded System and IoT in Eclectech Innovations**" is the result the of project / dissertation work done by me under the supervision of Prof. Nagaraju L.G at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bengaluru during the academic year 2022-23.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.



(Signature of the candidate)

Signed by me on:

Certified that this project work submitted by Mr. Abhishek C V has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide

Date: 29/11/22

Official Seal of the School



Signature of Director of School

Date: 29/11/22

## CERTIFICATE OF INTERNSHIP:



GSTIN: 29AAZPY0747P3Z7

### Certificate of Internship

To whomsoever, it may concern,

This document is to certify that Mr. Abhishek C V from Reva University, Bengaluru, has completed his 1-month internship as Internee at Eclectech Innovations, Bengaluru, from October 6th 2022 to November 4th 2022.

He has worked on the project titled Embedded Systems and IoT.

The aim of this project was to Learn about Embedded and IoT and it's applications. As a part of the project, he has successfully completed practical project based on IoT and object detection.

During the internship, Mr. Abhishek C V demonstrated a keen interest and enthusiasm to learn new skills. His performance exceeded our expectations, and his dedication to their role and responsibilities was commendable. All of the tasks were completed on time and to the best of his abilities.

We wish him great success in all of his future endeavours.

**For Eclectech Innovations**

A handwritten signature in blue ink, appearing to read "Yatish Babu", is written over a horizontal line. Below the line, the word "Proprietor" is printed in a bold, sans-serif font.

Date : 10th November 2022

(Signature)

Yatish Babu

Proprietor, Eclectech Innovations





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

**Collaborative Management of  
Sri Ganesh Enterprises.**

**Submitted in fulfilment of the requirements for the award of the Degree of  
BACHELOR OF BUSINESS ADMINISTRATION  
IN  
ENTREPRENURSHIP**

**Submitted to:**

**Prof. Nagaraju L.G.**

**School of Management Studies**

**REVA University**

**Submitted by:**

**Amitshak L V**

**R2011M802**



## DECLARATION

I, Mr. Abhinav L.V student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "**Report on Collaborative Management of Sri Ganesh Enterprises**" is the result the of project / dissertation work done by me under the supervision of Prof. Nagaraja L.G at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23.

I declare that this project report has been tested for plagiarism, and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.

  
(Signature of the candidate)

Signed by me on.

Certified that this project work submitted by Abhinav L.V has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

  
Signature of Guide

  
Signature of Director of School

Date 28/11/22

Date 28/11/22

Official Seal of the School

GSTIN : 29AMCPV1497J1ZD

Mob. : 9663800638

# SRI GANESH ENTERPRISES

Plot No. 370, Sy No. 139P, 140P, 141P, Industrial Growth Centre, H.N. Pura Road, Hassan - 573 201  
e-mail : sriganeshenterpriseshsn@gmail.com

Ref. No.

Date : 11/10/22

## To Whomsoever It may concern

This is to certify Mr. Abhishek L V (R20BM802), 5<sup>th</sup> Semester of Bachelor in Business Administration in Entrepreneurship, REVA University, Bengaluru has successfully completed her research project titled "Collaborative Management of Sri Ganesh Enterprises - A Case Study in Hassan" from 11/09/22 to 10/10/22 as a part of her curriculum during the period.

We are extremely pleased to state that we found Mr. Abhishek L V to be an extremely intelligent and focused student during her entire duration and asked many intelligent and relevant questions that were a clear reflection of her focused approach and interest in her study...

We wish him all the very best for him future endeavors in this regard.

Thanks, and Best Regards

For Sri Ganesh Enterprises

L.K. Vijaya Kumar,  
Proprietor

L K Vijay Kumar  
Proprietor  
Sri Ganesh Enterprises  
KIADB Industrial Area  
Hassan -573201, Karnataka  
Ph: 9663800638





**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **School of Management Studies**

## **BBA(Entrepreneurship)**

### **Internship Report on SUPPLY CHAIN MANAGEMENT of SIVA SAKTHI HANDCRAFTS**

**Submitted to:**

**Dr. Jalaja V  
School of management studies  
REVA University**

**Submitted by:**

**Akula Raghuram Tataji R20BM804**

**Date of Submission: 27<sup>th</sup> NOVEMBER 2021**



## Letter of Transmittal

Date: 27 November 2022

To,

Prof Jalaja V

School of management studies

REVA University

**Subject: Submission of Internship Report**

Sir/Madam,

It is my great pleasure to submit the internship report titled "SUPPLY CHAIN MANAGEMENT of Siva Sakthi hand crafts" which has been prepared as an integrated part of the course requirement of my BBA program. My internship was held at Siva Sakthi handcrafts, subsidiary of Siva Sakthi Group, 21-5-45/E, Tirupati, Andhra Pradesh, India.

This matter would be very much helpful for my academic career. It has also to be mentioned that without your expert advice and cooperation it would not have been possible to complete this report. If you need any further clarification or information in interpreting this analysis, I will be glad to answer your queries.

Yours sincerely,

Akula Raghuram Tataji

R20BM832

BBA(Entrepreneurship)

5<sup>th</sup> semester

REVA university





## **SIVA SAKTHI HANDCRAFTS**

**Office:** 21-5-45/E, Madhava Nagar, Tirupati, Andhra Pradesh, India.

### **INTERNSHIP CERTIFICATE**

This is to certify that **Akula Raghuram Tataji**, a student of Bachelor of business administration from **REVA UNIVERSITY, Bangalore** did internship on Collaborative Management in **Siva Sakthi Handcrafts** from 20/08/2022 to 25/09/2022. His performance during the course was outstanding. He contributed with his teammates well and came up with genuine ideas. We appreciate his involvement and enthusiasm to learn new technologies. we wish him the best for his bright future.

  
**SIVASAKTHI HANDCRAFTS**

**D.No. 21-5-45/E, Madhava Nagar**

**TIRUPATI - 517 501**

**MR. HARI BABU**

**EXECUTIVE MANAGER**

**SIVA SAKTHI HANDCRAFTS**





**REVA**  
**UNIVERSITY**

Bengaluru, India

**School of Management Studies**

**BBA (ENTREPRENEURSHIP)**

**MINOR PROJECT**  
**Report**

**Human resource management**

Submitted

Dr. Jalaja V

Assistant Professor

Management Studies

REVA University

Submitted by:

CHAITHANYA GS

R20BM806

**Date of Submission: 28 November 2022**



This is to certify that the minor project report titled **“Human Resource management at Sumashree speciality Pvt Ltd.”** has been submitted for the award of Bachelor of Business Administration (BBA) with major in Entrepreneurship from REVA University carried out by, **Chaithanya GS**

**Student ID - R20BM806** under my supervision.

This report is free from plagiarism.

She is permitted to submit the internship report.



**Dr. Jalaja V, ●**  
**Assistant Professor,**  
**School of Management Studies,**  
**REVA University.**



# Sumashree

Speciality India Pvt. Ltd.

Place: Makali

Date: 20/11/22

## To Whom It May Concern

It is to certify that **Ms. CHAITHANYA G S (R20BM806)**, Bachelor of Business Administration Entrepreneurship (BBA- E), a student of school of Business and management, Reva University, Bangalore, has completed her project work "Internship Training", at **Sumashree Speciality India Pvt Ltd** as an **Human Resource (HR)** from **23/09/2022** to **14/11/2022**.

During her service with us, she was positive, adaptable, and compassionate and always known for her strong, creative.

We wish her all success in future endeavours.

For the **SUMASHREE SPECIALITY INDIA PVT LTD**



Authorized Signatory.





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

A Minor Project Report  
On

Submitted in fulfilment of the requirements for the award of the Degree of  
**BACHELOR OF BUSINESS ADMINISTRATION**  
IN  
**ENTREPRENURSHIP**

**SALES AND MANGEMENT OF AAHA LEATHERS**

Submitted to:

**Dr. Venu Gopal**

Associate Professor

School of Management Studies

**REVA University**

Submitted by:

**KARISHMA PATNI**

**R20BM813**



## DECLARATION

Karishma patni student of BBA Entrepreneurship, belong in to School of Management Studies, VA University, declare that this Internship Report / Dissertation entitled "Sales and management AAHA leathers: A Case Study in Tamilnadu" is the result the of project / dissertation work done me under the supervision of mrs Dr. Venu Gopal

REVA University.

in submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2021-22.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of project work prescribed for the said Degree.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.

Karishma patni

(Signature of the candidate)

Signed by me on:

I certify that this project work submitted by Karishma patni has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

P. G. G. G.

(Signature of Guide)

M. K. Ghosh

(Signature of Director of School)

Date: 29/X/21

(Official Seal of the School)

Date: 29/11/22



## **AAHA LEATHERS**

GSTIN : 33AWUPP6184G2ZW

S.F. 15/1, Venkatasamuthiram, Thuthipet,  
Ambur, Vellore, Tamilnadu – 635 811  
EMAIL ID : hafeezurrahman357@gmail.com  
Contact : 81228 90642

**Date : 20/09/2022**

### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **MS. KARISHMA PATNI**, student of **REVA UNIVERSITY**, has successfully completed her internship with Aaha leathers during the period of 1 month summer internship (August 2022)

During the period, she was part of the Sales & Management Team and successfully carried out all the tasks that Resulted in the development of the company. As a part of the team she has designed various new businesses Opportunities for the company to look into it.

During the course of internship, **MS. KARISHMA PATNI** has shown great amount of responsibility, sincerity and a genuine willingness to lean and zeal to take on new assignments & challenges. In particular, her coordination skills and communication skills are par excellence and her attention to details is impressive.

We wish her all the very best for her future.

With regards

M Parveen  
Aaha leathers  
Founder

**For AAHA LEATHERS**

  
**PROPRIETOR**





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

**Submitted in fulfilment of the requirements for the award of the Degree of**

**BACHELOR OF BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENURSHIP**

**BUSINESS DEVELOPMENT OF HOTEL AMIRDAM**

**Submitted to:**

**DR.Venu Gopal**

**Associate Professor**

**School of Management Studies**

**REVA University**

**Submitted by:**

**Karthick raja M**

**R20BM814**



### **DECLARATION**

I, Karthick raja M student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Internship Report / Dissertation entitled "Business development of Amirdam Hotel: A Case Study in Tamilnadu" is the result the of project / dissertation work done by me under the supervision of **DR. Venu gopal** at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2021-22.

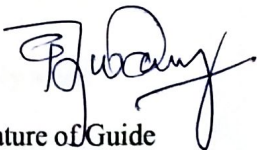
I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.


(Signature of the candidate)

Signed by me on:

Certified that this project work submitted by Karthick raja M has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide



Signature of Director of School

Date: 29/11/22

Official Seal of the School

Date:

29/11/22



**Hotel Amirdam**  
*Pure Vegetarian*

# 25, Bye - Pass Road,  
AMBUR - 635 802.  
Phone : 04174 246045  
Mobile : 94433 55066

Date : 10/09/2022

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **MR KARTHICK RAJA M**, student of **REVA UNIVERSITY**, has successfully completed His internship with Hotel Amridam during the period of 1 month summer internship (**August 2022**).

During the period, He was part of the Business Development and successfully carried out all the tasks that Resulted in the development of the company. As a part of the team he has designed various new businesses Opportunities for the company to look into it and with his sense of ownership towards completing the tasks has created a good image for his in the company.

During the course of internship, **MR. KARTHICK RAJA M** has shown great amount of responsibility, sincerity and a genuine willingness to learn and zeal to take on new assignments & challenges. He also received around 15000 during his internship. In particular, His coordination skills and communication skills are par excellence and his attention to details is impressive.

We wish His all the very best for His future.

With regards

SRIDHAR .G  
Hotel Amirdam  
Founder







**REVA**  
UNIVERSITY  
Bengaluru, India

**School of Management Studies BBA  
(ENTREPRENEURSHIP)**

**Internship Report on Accounting in Keka Deliveries.**

*Submitted to:*

**Dr Venu Gopal.**

**School of Management Studies REVA University**

*Submitted by:*

**Kaushik Reddy (R20BM816)**

**Date of Submission: Nov, 2022**



## Letter Of Transmittal

Date: 27 October 2022

**DR. Venu Gopal.**

**School of Management Studies REVA University**

**Subject: Submission of Internship Report**

Sir/Madam,

It is my great pleasure to submit the internship report titled **"Accounting in Keka Deliveries"** which has been prepared as an integrated part of the course requirement of my BBA program. My internship was held at **Keka Deliveries**, A subsidiary of **Keka Group**, Chittoor, Andhra Pradesh, India.

It will be highly appreciated if you kindly accept the report. Your positive action regarding this matter would be very much helpful for my academic career. It has also to be mentioned that without your expert advice and cooperation it would not have been possible to complete this report. If you need any further clarification or information in interpreting this analysis, I will be glad to answer your queries.

*C. Koushik*  
**Sincerely yours**

Koushik Reddy

SRN: R20BM816

Major: BBA E

Semester 5

REVA University

# CERTIFICATE

OF INTERNSHIP

IS PRESENTED TO

**C.Koushik Reddy**

for his /her performance on Accounting

From 11-08-2022 to 12-09-2022



  
D.Denthaj Naidu  
CEO of Keka





**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **School of Management Studies**

## **BBA(Entrepreneurship)**

Internship Report on  
Value chain analysis of SIVA SAKTHI HANDICRAFTS

Submitted to:

**Prof: Bharti Ayer**  
School of management studies

**REVA University**

Submitted by:

M. Manohar

**R20BM818**

Date of Submission: 27<sup>th</sup> NOVEMBER 2022



## DECLARATION

I, Mr. M. Manohar student of BBA Entrepreneurship, belongs to School of Management Studies, REVA University, declare that this Project Report/Dissertation entitled "Value Chain Analysis" prepared by me under the supervision of Prof. Bharti Ayer at REVA University.

I am submitting this Project Report/Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

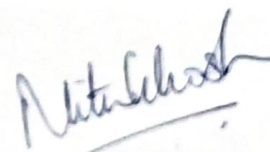
I further declare that this project/ dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/Institution.

  
(Signature of the candidate)

Signed by me on: 28/11/22

Certified that this project work submitted by M. Manohar has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.



  
Signature of Director of

Date: 28/11/22

Date: 28/11/22

Official Seal of the School



## **SIVA SAKTHI HANDCRAFTS**

**Office:** 21-5-45/E, Madhava Nagar, Tirupati, Andhra Pradesh, India.

### **INTERNSHIP CERTIFICATE**

This is to certify that **M.Manohar**, a student of Bachelor of business administration from **REVA UNIVERSITY, Bangalore** did internship on Collaborative Management in **Siva Sakthi Handcrafts** from 20/08/2022 to 25/09/2022. His performance during the course was outstanding. He contributed with his teammates well and came up with genuine ideas. We appreciate his involvement and enthusiasm to learn new technologies.

we wish him the best for his bright future.

  
**SIVASAKTHI HANDCRAFTS**  
D.No. 21-5-45/E, Madhava Nagar  
TIRUPATI - 517 501

**MR. HARI BABU**  
**EXECUTIVE MANAGER**  
**SIVA SAKTHI HANDCRAFTS**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**Minor Project Report  
on**

**PROGRAMME MANAGER OF PRATIDHWANI**

**Submitted in fulfillment of the requirements for the award of the Degree of  
BACHELORS OF BUSINESS ADMINISTRATION**

**Submitted to**

**Prof. Bharti Ayer  
Assistant Professor  
School of Management Studies  
REVA University**

**Submitted By :**

**Melvin Glenford B**

**R20BM819**



### Declaration

I, Mr. Melvin Glenford B, thus certify that the dissertation I created, named "Programme Manager of Pratidhwani," was done so with the help of Mr. Neville Cruz, the founder of Pratidhwani, as well as Prof. Bharti Ayer, School of Management Studies, REVA University.

In partial compliance of the requirements set forth by the institution, I am submitting this dissertation project for consideration by the School of Management Studies at REVA University in Bengaluru for the award of a Bachelor of Business Administration degree during the academic year 2022-2023.

A four-week dissertation assignment was something I had to do. I additionally declare that my project is based on the original research I conducted and that no application for a degree or certificate from another university or institution has been made with regard to this project.

  
Signature of the Candidate

Signed by me on: 28/11/22

Certified that this project work submitted by Melvin Glenford B has been carried out under my / our guidance and the information made by the candidate is true to the best of my knowledge.

Signature of Guide

Signature of Director of School

Date: 28/11/22

Date: 29/11/22

Official Seal of the School

# PRATIDHWANI

AN INITIATIVE TO DELIVER SMILES

## CERTIFICATE OF INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Melvin Glenford is student of **Reva University**,  
is currently interning (from August 2022 - Current) at Pratidhwani.

Currently, Mr. Melvin Glenford is working as a **Programme manager intern**  
in our organization. We found him extremely hardworking and inquisitive.

In appreciation for his contributions at Pratidhwani, we also gave him a  
month's salary because we recognized his dedication, passion, and love for  
working for a non-profit organization.

We hope he has a successful future in everything he does.

ISSUED DATE: 02 OCTOBER 2022

PRATIDHWANI

SA, 2nd Cross, Nanjaranga Layout,  
Munroayanaapalya, R.T Nagar  
Bangalore, 560032

Pratidhwani Trust  
Authorized Signatory

+91 93805 48800

No. SA, 2nd Cross, Nanjaranga Layout,

Munroayanaapalya, R.T Nagar Post,

Bangalore 560032

pratidhwani07@gmail.com





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**Minor Project Report  
on**

**ORGANISATIONAL STUDY OF SATYA SAI GROUP**

**Submitted in fulfillment of the requirements for the award of the Degree of  
BACHELORS OF BUSINESS ADMINISTRATION**

**Submitted to**

**Prof. Bharti Ayer  
Assistant Professor  
School of Management Studies  
REVA University**

**Submitted By :**

**M. V. Nishith Kumar Reddy  
R20BM820**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bangalore, 560064**

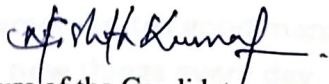


## DECLARATION

I, Mr. Nishith Kumar Reddy, hereby declare that Dissertation entitled "Organizational Study" with reference to Collaborative Management, Satya Sai Group prepared by me under the supervision of Prof. Bharti Ayer, School of Management Studies, REVA University and external assistance by Mr. Krishna Prasad, Executive Management, Satya Sai Group.

I am submitting this Dissertation project in partial fulfillment of the university regulations, for the award of degree of Bachelor of Business Administration during the Academic Year 2022-2023, School of Management Studies, REVA University, Bengaluru.

I have undergone Dissertation project for a period of Four weeks. I further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University/ Institution.



Signature of the Candidate:

Signed by Me on: 28/11/2022

Certified that this project work submitted by Nishith Kumar Reddy MV has been carried out under our/my guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature Of Guide:

Date 28/11/2022



Official Seal of The School:

Satya Sai Tiles and Sanitary, 70-106 18 335, Near Chennamma Circle,  
Kurnool - 18003, Andhra Pradesh, Phone No: 9810333412

# SATYA SAI GROUP

Since 1987

## CERTIFICATE FOR INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Nishith Kumar Reddy student of **Reva University**, is currently interning (from March 2022 – Current) at Satya Sai Group.

Currently, Mr. Nishith Kumar Reddy is working as a **Human Resource Management Intern** in our organization.

He demonstrates good management skills with self-motivated attitude to learn new things every day.

We wish him all the best for his future endeavors.

ISSUED DATE: 20 OCTOBER 2022



MR. KRISHNA PRASAD

(Executive Management)

---

Satya Sai Tiles and Sanitary, 70-108-18-33A, Kallur, Near Chennamma Circle,  
Kurnool-518003, Andhra Pradesh. Phone No: 9618333312.





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**BBA (ENTREPRENEURSHIP)**

**V SEM**

**Minor Project Report**

**on**

**ORGANISATIONAL STUDY OF 'LIONS  
CLUB INTERNATIONAL'**

SUBMITTED TO: Prof. BHARTI AYER

School of Management Studies

Reva University

SUBMITTED BY: NANDITHA G

SRN: R20BM821

Reva University

SUBMISSION DATE: 30/10/2022



# DECLARATION

I, NANDITHA G, hereby declare that dissertation entitled "Organisation Study" with reference to "LIONS CLUB INTERNATIONAL" prepared by me under the supervision of Prof. Bharti Ayer, School of Management, Reva University, and external assistance by [external name, designation and organisational details]

I am submitting this dissertation project in partial fulfilment of the university regulations for the award of degree of bachelor of business administration during the academic year 2022-2023 School of Management studies, Reva university, Bangalore.

I have undergone dissertation project for a period of 6 months. I further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any other degree/diploma of this university or any other university/institution.

  
(Signature of the candidate)

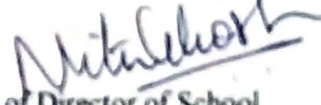
Signed by me on 28/11/22

Certified that this project work submitted by NANDITHA G has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide



Signature of Director of School



Date

28/11/22

Date

28/11/22.

Official Seal of the School



Lions Clubs International  
**FOUNDATION**

This is to certify that **NANDITHA G**, has successfully completed the task assigned to the respective as designated internship in our organisation. The latter took part in serving the society for a brighter tomorrow and assisted our members to perfection.

**DISTRICT  
CHAIRPERSON**

Lions club Dis 317f





**REVA**  
**UNIVERSITY**

Bengaluru, India

***SCHOOL OF MANAGEMENT STUDIES***

***Minor Project report***

***On***

***HUMAN RESOURCES MANAGEMENT AT  
NARAYANA GROUP***

***Submitted by: -***

***POSIMREDDY VENKATA SATHWIK***

***SRN- R20BM822***

***BBA(ENTREPRENEURSHIP) 5<sup>th</sup> Semester***

***Submitted to: -***

***Prof. Bharati Ayer***

***Date of Submission: Nov 2022***

Rukmini knowledge park, kattigenahalli, Yelahanka, Bengaluru-560064

[WWW.reva.edu.in](http://WWW.reva.edu.in)



**DECLARATION**

I, Mr. P Venkata Sathwik Reddy student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "Organizational study with reference to 'Narayana Group' prepared by me under the supervision of Prof. Bharti Ayer at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

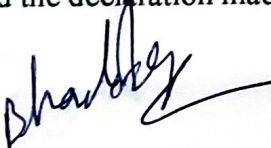
I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.



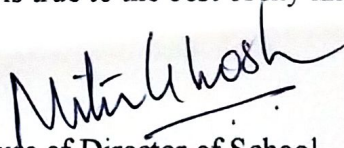
(Signature of the candidate)

Signed by me on: 28/11/22

Certified that this project work submitted by P Venkata Sathwik Reddy has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide



Signature of Director of School

Date: 28/11/22

Date: 29/11/22

Official Seal of the School



# CERTIFICATE OF INTERNSHIP

This is presented to

**P VENKATA SATHWIK REDDY**

*In recognition of completion of Internship in Human Resource management during 4 weeks at Narayana group. During the period of his/her Internship programme with us, he/she was found punctual and Inquisitive. We wish him the best in his future endeavors.*

Date: 11-09-2022

J. KONDALA RAO, D.G.M.  
NARAYANA EDUCATIONAL INSTITUTIONS  
TIRUPATI  
District General  
Manager



**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

Minor Project Report

On

**ORGANISATIONAL STUDY OF JAI MARUTHI ENTERPRISES**

Submitted in fulfilment of the requirements for the award of the Degree of

**BACHELOR IN BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENURSHIP**

Submitted by

**Pranav M**

R20BM823

Under the guidance of:

**Prof. Dr. Madhavi**

**Nov 2022**

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064



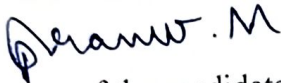
## DECLARATION

I, Pranav M student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "JAI MARUTHI ENTERPRISES" is the result of project / dissertation work done by me under the supervision of Prof. Dr. Madhavi at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2021-22.

I declare that this project report has been tested for plagiarism, and has passed the plagiarism test with a similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

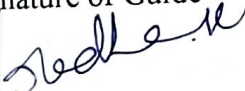
I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.

  
(Signature of the candidate)

Witnessed by me on:

I certify that this project work submitted by Pranav M has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide

  
Date:

28/11/2021

Official Seal of the School

Signature of Director of School

Date:

29/11/22





**REVA**  
**UNIVERSITY**  
*Bengaluru, India*

**SCHOOL OF MANAGEMENT STUDIES**

*A Minor Project Report*

**On**

***Production & HR Management of C Dairy Pvt. Ltd.***

*Submitted in fulfilment of the requirements for the award of the Degree of*

**BACHELOR OF BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENEURSHIP**

*Submitted to:*

**Dr. Madhavi**

*Assistant Professor*

*School of Management Studies*

**REVA University**

*Submitted by:*

**Rajrathan A**

**R20BM824**



## Declaration

I Rajrathan A, hereby declare that Dissertation entitled "Production and HR management of C Dairy Pvt Ltd", prepared by me under the supervision of Dr Madhavi, School of Management Studies, REVA University, and external assistance by (Manish Kumar, Managing Head of C Dairy Pvt Ltd.

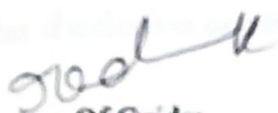
I am submitting this Dissertation project in partial fulfilment of the university regulations for the award of degree of Bachelor of Business Administration during the academic year 2022-23, School of Management Studies, REVA University, Bengaluru.

I have undergone Dissertation project for a period of twelve weeks. Further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University/institution.

Signature of the Candidate: 

Signed by Me on: 29/11/22

Certified that this project work submitted by Rajrathan has been carried out under our/my guidance and the declaration made by the candidate is true to the best of my knowledge.

  
Signature Of Guide:

Date: 29/11/2022

Official Seal of The School:



## Internship Certificate



No. 146, Anna Nagar, Periyaverikkam Village,  
Thuthupet Post, Ambur – 635811, Vellore Dist, Tamilnadu,  
E-mail - [mail@cdairy.in](mailto:mail@cdairy.in), Phone - +91 8072139904.  
[www.cdairy.in](http://www.cdairy.in)

**RAJRATHAN A**

Sales and HR Management

Internship Completion Certificate  
November 22<sup>nd</sup>, 2022

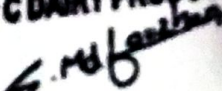
Period of Internship: 30/09/2022 to 23/11/2022

To Whom It May Concern

Period of Internship: 30/09/2022 to 23/11/2022

It is to certify Mr. Rajrathan A (R20BM824), Bachelor of Business Administration Entrepreneurship (BBA-E), a student of Business and Management, Reva University, Bangalore, has completed his project work "Internship Training" at C Dairy Pvt. Ltd. as Production and HR Management. We found the candidate sincere, hardworking, technically sound and goal oriented. We take this opportunity to thank and wishing the candidate all the best for his future endeavours.

Yours Faithfully  
For C DAIRY PRODUCTS PVT. LTD.

  
Authorized Signatory, Director

(Mohammed Fouzhan)  
Director





**School of Management Studies  
BBA (ENTREPRENEURSHIP)**

**Minor Project Report on  
BUSINESS ANALYTICS OF SHRIN'S RESTROPUB**

**Submitted to:**

**DR. Madhavi**

School of management

Studies

REVA University

**Submitted by:**

**Candidate Name: Ganavi.S**

**SRN: R20BM825**

**Date of Submission: 27 OCTOBER, 2022**

## LETTER OF AUTHORIZATION

This is to certify that the minor project report titled "Business Analytics of Shrin's Restropub." has been submitted for the award of Bachelor of Business Administration (BBA) with major in Entrepreneurship from REVA University carried out by S. Ganavi Student ID - R20BM825 under my supervision.

This report is free from plagiarism.

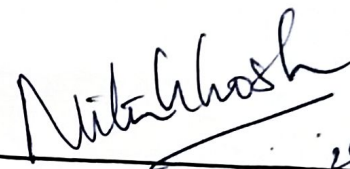
she is permitted to submit the minor project report.



**DR. Madhavi**  
**School of Management**  
**Studies**  
**REVA University**

---

Signature of the Guide  
School of Management Studies

---

Director 29/11/22  
School of Management studies.





**SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

**REPORT ON SUBTRASH SERVICES LLP, BENGALURU**

**Submitted in fulfilment of the requirements for the award of the Degree of**

**BACHELOR OF BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENEURSHIP**

**Submitted to:**

**Dr.Madhavi**

**School of Management Studies**

**REVA University**

**Submitted by:**

**Sanjeev Kumar V S**

**R20BM827**



## DECLARATION

I, Mr. sanjeev Kumar vs student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "**Report on subtrash services LLP**" is the result the of project / dissertation work done by me under the supervision of DR. Madhavi at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23

I declare that this project report has been tested for plagiarism, and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.



(Signature of the candidate)

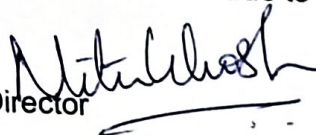
Signed by me on:

Certified that this project work submitted by sanjeev Kumar vs has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide



Signature of Director



Date:

28/11/2022

Date:

29/11/22

Official Seal of the School





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**Minor project Report on**  
**Research and Analytical Management of**  
**Lazuline Biotech Private Limited**  
**Submitted to fulfill the requirements for the award of the Degree of**  
**BACHELOR IN BUSINESS ADMINISTRATION**  
**IN**  
**ENTREPRENEURSHIP**

**Submitted by**  
**Seshank Ayush Arumalla**  
**R20BM828**

**Under the guidance of:**  
**Dr. Madhavi Kappagantula**

**Nov 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka,**  
**Bengaluru-560064**



## DECLARATION

I, Mr. Seshank Ayush Arumalla student of BBA Entrepreneurship, belonging to the School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "**Minor project report on Research and Analytical Management of Lazuline Biotech Private Limited**" is the result of the minor project done by me under the supervision of Dr. Madhavi Kappagantula at REVA University.

I am submitting this minor project in partial fulfillment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with a similarity score of less than 25% and it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

I further declare that this project/dissertation report or any part of it has not been submitted for the award of any other Degree / Diploma of this University or any other University/ Institution.



(Signature of the candidate)

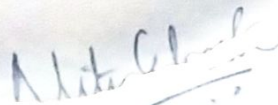
Signed by me on:

28.11.2022

Certified that this project work submitted by Seshank Ayush Arumalla has been carried out under my / our guidance and that the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide



Signature of Director of School

Date: 28/11/2022

Official Seal of the School

Date: 29/11/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

Minor Project Report

On

**Bliss Aerospace Components Pvt Ltd**

Submitted in fulfilment of the requirements for the award of the Degree of  
**BACHELOR'S IN BUSINESS ADMINISTRATION**

IN

**ENTREPRENEURSHIP**

Submitted by

Sharon Dsilva

R20BM829

Under the guidance of:

Dr. P.K.Venkataswamy

**Nov 2022**

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-

560064



## DECLARATION

ss Sharon Dsilva, student of BBA (Bachelor of Business Administration) reneurship, belong into School of Management Studies, REVA University, affirm that object work titled MARKETING INTERN AT BLISS AEROSPACE COMPONENTS .TD being submitted in partial fulfilment for the award of the degree of BBA is the al work carried out by me. It has not formed the part of any other project work submitted ard of any degree or diploma, either in this or any other University. I am submitting this t Report / Dissertation in partial fulfilment of the requirements for the award of the of Bachelor of Business Administration in Entrepreneurship by the REVA University, lore during the academic year 2021-22.

r declare that this project / dissertation report or any part of it has not been submitted for award of any degree / Diploma of this University or any other University/ Institution.

  
(Signature of the candidate)

Signed by me on:

ied that this project work submitted by Sharon Dsilva has been carried out my /our guidance and the declaration made by the candidate is true to the best of my ledge.

Signature of Guide 

Date: 29/11/22

  
Signature of Director of School

Date: 29/11/22

Official Seal of the School





## BLISS AEROSPACE COMPONENTS PVT. LTD.

Regd. Off. : 66/1-2, Lakshmi Complex, Industrial Suburb, Yeshwanthpur,  
Bangalore - 560 022.

Factory : F-58, Industrial Estate, Rajajinagar, Bangalore - 560 010.  
KARNATAKA, INDIA

Tel : +91 80 23145685, +91 80 42491016, Tele Fax : +91 80 23371124

E-mail : bliss.aerospace@yahoo.in

70X06789  
S02N0213  
S07S0273



AS 9100:2016

DCA Inc.

Bliss Aerospace Components Pvt. Ltd.



Date: 26/11/2022

### To whomsoever it may concern,

This is to certify that, Ms. Sharon D Silva, (Reg.No: R20BM829) Bachelor of Business Administration Entrepreneurship (BBA-E) student of School of Business and Management, Reva University, Bengaluru, has completed her project work "Internship Training" at Bliss Aerospace Components Pvt Ltd, Bangalore, during the period from 26.10.2022 to 26.11.2022, as a part of her BBA Course. During the above period her conduct and performance are found good. We wish her all the best for her future endeavors.

For

BLISS AEROSPACE COMPONENTS PVT LTD

Authorised signature







**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

Minor Project Report

On

**Bliss Aerospace Components Pvt Ltd**

Submitted in fulfilment of the requirements for the award of the Degree of  
**BACHELOR'S IN BUSINESS ADMINISTRATION**

IN

**ENTREPRENEURSHIP**

Submitted by

Sharon Dsilva

R20BM829

Under the guidance of:

Dr. S. Venkataswamy

May 2022

Rukmini Knowledge Park, Kumbhagenahalli, Yelahanka, Bengaluru


560064



## DECLARATION

Miss Sharon Dsilva, student of BBA (Bachelor of Business Administration) Entrepreneurship, belong into School of Management Studies, REVA University, affirm that project work titled MARKETING INTERN AT BLISS AEROSPACE COMPONENTS LTD being submitted in partial fulfilment for the award of the degree of BBA is the final work carried out by me. It has not formed the part of any other project work submitted for award of any degree or diploma, either in this or any other University. I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2021-22.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any Degree / Diploma of this University or any other University/ Institution.

  
(Signature of the candidate)

Signed by me on:

I certify that this project work submitted by Sharon Dsilva has been carried out under my /our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide

Date: 29/11/2022

Signature of Director of School

Date: 29/11/22

Official Seal of the School

24.08.2022

To,

Bliss Aerospace Components Pvt Ltd  
F-82, Industrial Estate,  
Rajajinagar, Bangalore - 560010  
Karnataka, India

Respected Sir/Madam,  
Greetings from REVA UNIVERSITY

**Sub:** School of Management Studies – Permission for Minor Project in your Esteemed Organization.

I am glad to introduce Mr. / Ms. SHARON D SILVA a bonafide student pursuing BBA-Entrepreneurship in School of Management Studies, REVA UNIVERSITY. As a part of a Curriculum students have to undergo a project for a period of **Four Weeks** in your esteemed organization.

I therefore request you to kindly accord permission to him/her and extend your professional guidance for successful completion of the Project.

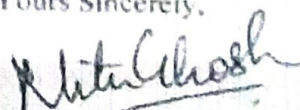
We assure you that the data collected from your organization shall be kept confidential and strictly used for bonafide academic purpose.

Project undertaken will enable students to get a blend of practical knowledge with Industry experience beyond theoretical classroom lectures.

We look forward for your kind approval.

Warm Regards

Yours Sincerely,

  
(Dr. NITU GHOSH)  
Director

School of Management Studies  
F-82, Industrial Estate,  
Rajajinagar, Bangalore - 560010  
Karnataka, India





**REVA**  
**UNIVERSITY**  
Bengaluru, India

## **SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

### **ORGANIZATIONAL STUDY ON AASHMAN FOUNDATION IN HUMAN RESOURCE EXECUTIVE**

**Submitted in fulfillment of the requirements for the award of the Degree of**

**BACHELOR IN BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENEURSHIP**

**Submitted by**

**Shreshitha Anand**

**R20BM830**

**Under the guidance of:**

**Dr. K.P. VENKATASWAMY**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

A Minor Project Report

On

**ORGANIZATIONAL STUDY ON AASHMAN FOUNDATION IN  
HUMAN RESOURCE EXECUTIVE**

Submitted in fulfilment of the requirements for the award of the Degree of

**BACHELOR IN BUSINESS ADMINISTRATION**

IN

**ENTREPRENEURSHIP**

Submitted by

Shreshtha Anand

R20BM830

Under the guidance of:

Dr. K.P. VENKATASWAMY

**NOVEMBER 2022**

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064



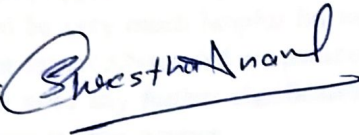
## DECLARATION

I, Mr. Shreshtha Anand, hereby declare that Dissertation entitled "Organizational Study" with reference to Human Resource Executive, Aashman Foundation prepared by me under the supervision of Prof. K.P. Venkataswamy, School of Management Studies, REVA University and external assistance by VJ Aman, Voice Brand Ambassador of the foundation.

I am submitting this Dissertation project in partial fulfilment of the university regulations, for the award of degree of Bachelor of Business Administration during the Academic Year 2022-2023, School of Management Studies, REVA University, Bengaluru.

I have undergone Dissertation project for a period of 45 days. I further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University/ Institution.

Signature of the Candidate:



Signed

Me on:

28/11/2022.

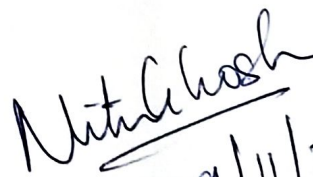
Certified that this project work submitted by Shreshtha Anand has been carried out under our/my guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature Of Guide:



Date:

28/11/2022

  
29/11/22.

Official Seal of The School:

PARTICIPATION

# Certificate

OF INTERNSHIP

THIS IS TO CERTIFY THAT

**Shreshtha Anand**

FROM BANGLURU WAS ASSOCIATED  
WITH AASHMAN FOUNDATION IN THE CAPACITY OF AN INTERN  
FROM JUNE 2022 TO JULY 2022 WITH OUR  
HUMAN RESOURCES EXECUTIVE GROUP

HE/SHE HAS COMPLETED HIS/HER INTERNSHIP  
WITH TWO STAR PERFORMANCE

JULY 22



*Munishpundir*  
FOUNDER / DIRECTOR





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**Minor Project Report On**

**Operational Study at  
Cambridge School Yadgir**

**Submitted in fulfilment of the requirements  
for the award of the Degree of  
BACHELOR IN BUSINESS ADMINISTRATION  
IN**

**ENTREPRENEURSHIP**

**Submitted by  
Syed Sohaib Adnan  
R20BM831**

**Under the guidance of:  
Dr. K.P. Venkatswamy**

**Nov 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka,  
Bengaluru-560064**



## DECLARATION

I, Syed Sohaib Adnan student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Internship Report / Dissertation entitled "Operational Study on Cambridge School Yadgir" is the result the of project / dissertation work done by me under the supervision of **DR. K.P. VENKATASWAMY** at REVA University.

I am submitting this Minor Project Report for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-2023.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

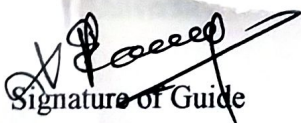
I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.



(Signature of the candidate)

Signed by me on: 28/11/22

Certified that this project work submitted by Syed Sohaib Adnan has been carried out in guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide



Signature of Director of School

Date: 28/11/2022

Official Seal of the School

Date: 29/11/22






## **CERTIFICATE OF COMPLETION**

This certificate is presented to

Syed Sohaib Adnan

To commemorate his successful completion of the  
internship program at Cambridge School Yadgir from  
15<sup>th</sup> July 2022 to 16<sup>th</sup> August 2022

as Intern, Operations

  
**Head Mistress**  
**CAMBRIDGE HIGHER PRIMARY**  
**ENGLISH MEDIUM SCHOOL**  
**YADGIR-585202, Dist. YADGIR**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **School of Management Studies**

## **BBA(Entrepreneurship)**

**Internship Report on Collaborative Management of  
Siva Sakthi Handcrafts**

**Submitted to:**

**Prof: Venkat Swami**

**School of Management Studies**

**REVA University**

**Submitted by:**

**T. VIKRANTH REDDY**

**R20BM832**

**Date of Submission: 23<sup>rd</sup> November, 2022**



## Letter of Transmittal

Date: 23 November 2022

**Prof: Venkat swami**  
**Assistant professor**  
**School of management studies**  
**REVA University**

**Subject: Submission of Internship Report**

Sir/Madam,

It is my great pleasure to submit the internship report titled “**Collaborative Management Styles of siva Sakthi hand crafts**” which has been prepared as an integrated part of the course requirement of my BBA program. My internship was held at **siva Sakthi handcrafts**, A subsidiary of **siva sakthi Handcrafts**, 21-5-45/E, Tirupati, Andhra Pradesh, India.

It will be highly appreciated if you kindly accept the report. Your positive action regarding this matter would be very much helpful for my academic career. It has also to be mentioned that without your expert advice and cooperation it would not have been possible to complete this report. If you need any further clarification or information in interpreting this analysis, I will be glad to answer your queries.

Sincerely yours

T vikranth reddy  
SRN: R20BM832  
BBA(Entrepreneurship)  
5<sup>th</sup> semester  
REVA university

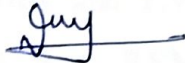
## DECLARATION

I, Mr. T Vikranth Reddy student of BBA Entrepreneurship belonging to School of Management Studies, REVA University, declare that this Project Report/Dissertation entitled "Organizational study with reference to Siva sakthi handcrafts" prepared by me under the supervision of Prof. Venkat swami at REVA University.

I am submitting this Project Report/Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project/ dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/Institution.

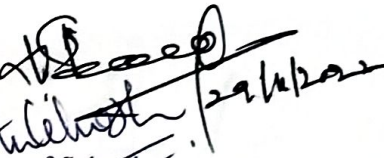


(Signature of the candidate)

Signed by me on:

Certified that this project work submitted by T Vikranth Reddy has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide



Signature of Director of School

Date:



Date:

Official Seal of the School





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**Minor Project Report**  
**on**

**SUVIDHA FOUNDATION**

**Submitted in fulfillment of the requirements for the award of the Degree of**  
**BACHELORS OF BUSINESS ADMINISTRATION**

**Submitted to**

**Dr. P. K. Venkataswamy**  
**Assistant Professor**  
**School of Management Studies**  
**REVA University**

**Submitted By :**

**Varsha Jain**  
**R20BM833**



## DECLARATION

Miss Varsha Jain student of BBA(Bachelor of Business Administration) Entrepreneurship, long into School of Management Studies, REVA University, affirm that the project work titled HUMAN RESOURCE MANAGEMENT IN SUVIDHA FOUNDATION being submitted in partial fulfilment for the award of the degree of BBA is the original work carried out by me. It has not formed the part of any other project work submitted for award of any degree or diploma, either in this or any other University. I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelor of Business Administration in Entrepreneurship by the REVA University, Bangalore during academic year 2021-22.

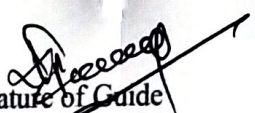
I further declare that this project / dissertation report or any part of it has not been submitted for award of any Degree / Diploma of this University or any other University/ Institution.



(Signature of the candidate)

Signed by me on: 28/11/2022

I certify that this project work submitted by Varsha Jain has been carried out under my /our guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide

Date: 28/11/22



Signature of Director of School

Date:

29/11/22

Official Seal of the School





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

**ORGANIZATIONAL STUDY OF SRI BALAJI GRANITES**

**Submitted in fulfilment of the requirements for the award of the Degree of  
BACHELOR OF BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENURSHIP**

**Submitted to:**

**Dr.KP Venkataswamy**

**Assistant Professor**

**School of Management Studies**

**REVA University**

**Submitted by:**

**Varun H U**

**R20BM834**



GSTIN : 29BTYPS1797Q1ZY

Mob No. 9845259638

# **Sri Sai Balaji Granite Industries**

**Dealers in : Granite Slabs**

**Plot No 299-P, Industiral Growth Centre, KIADB Industiral Area, Hassan - 573201**

## **To Whomsoever it may concern**

This is to certify Mr. Varun H U (R20BM834), 5<sup>th</sup> Semester of Bachelor in Business Administration in Entrepreneurship, REVA University, Bengaluru has successfully completed her research project titled "Marketing Management of Sri Sai Balaji Granite Industries – A Case Study in Hassan" from 11/09/22 to 10/10/22 as a part of her curriculum during the period.

We are extremely pleased to state that we found Mr. Varun H U to be an extremely intelligent and focused student during her entire duration and asked many intelligent and relevant questions that were a clear reflection of her focused approach and interest in her study...

We wish him all the very best for him future endeavors in this regard.

Thanks, and Best Regards

*Mukthesh S*

Authorised Signatory

**Mukthesh S S**  
Proprietor  
Sri Sai Balaji Granite Industries  
KIADB Industrial Area  
Hassan -573201, Karnataka  
Ph: 9845259638

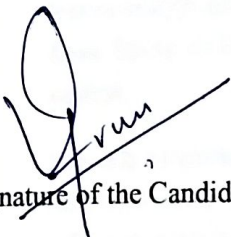


## DECLARATION

I, Mr. Varun HU, hereby declare that Dissertation entitled "Organizational Study" with reference to Marketing Management, Sai Balaji Granite prepared by me under the supervision of Dr. Venkataswamy, School of Management Studies, REVA University and external assistance by Mr. Nalin Kumar, General Manager, Sai Balaji Granite.


I am submitting this Dissertation project in partial fulfillment of the university regulations, for the award of degree of Bachelor of Business Administration during the Academic Year 2022-2023, School of Management Studies, REVA University, Bengaluru.

I have undergone Dissertation project for a period of Four weeks. I further declare that this project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University/ Institution.

  
Signature of the Candidate:

Signed by me on: 28/11/2022.

I hereby certify that this project work submitted by Varun HU has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide 

Date: 28/11/2022

  
Signature of Director of School

Date: 29/11/22

Official Seal of the School





**REVA**  
**UNIVERSITY**

Bengaluru, India

**School of Management Studies**

**BBA (ENTREPRENEURSHIP)**

**Final project report on**  
**Digital Marketing of Sales Desk**  
Submitted in fulfillment of requirements for the award of degree of  
**BACHELOR IN BUSINESS ADMINISTRATION**

**Submitted to:**

**Dr. Nitu Ghosh**  
Director  
School of  
Management Studies  
REVA University

**Submitted by:**

**Candidate Name: SHREYAS V PATIL**  
**SRN: R20BM839**  
**5<sup>th</sup> SEM**





**School of Management Studies**

**BBA (ENTREPRENEURSHIP)**

**Minor project report on  
Digital Marketing of Sales Desk**

Submitted in fulfillment of requirements for the award of degree of  
**BACHELOR IN BUSINESS ADMINISTRATION**

**Submitted to:**

**Dr. Nitu Ghosh  
Director  
School of  
Management Studies  
REVA University**

**Submitted by:**

**Candidate Name: SHREYAS V PATIL  
SRN: R20BM839  
5<sup>th</sup> SEM**

**Nov 2022**

**Rukmini knowledge Park, Kattigenhalli, Yelahanka, Bengaluru-560043**

## Declaration

I, Mr. Shreyas, hereby declare that dissertation entitled "Digital Marketing " with reference to Salesdesk, Kalsoft Pvt Ltd, Bengaluru " prepared by me under the supervision of Dr. NITU GHOSH, School of Management Studies, REVA University, and external assistance by Mr. PRAMOD , Founder of Salesdesk, Kalsoft Pvt Ltd, Kothanur, Bangalore , Karnataka -560077.

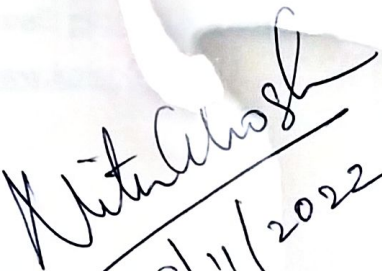
I am submitting this dissertation project in partial fulfilment of the university regulations for the award of degree of Bachelor of Business Administration during the academic year 2022-2023, School of Management Studies, REVA University, Bangalore.

I have undergone Dissertation project for a period of 4- 6 weeks. I further declare that this project is based on the original study undertaken by the me and has not been submitted for the award of any degree/diploma from any other University/Institution.

I, Mr. Shreyas, hereby declare that dissertation entitled "Human Resource Policies & Practices" with reference to "Salesdesk, Kalsoft Pvt Ltd, Bengaluru " prepared by me under the supervision of Dr. NITU GHOSH, School of Management Studies, REVA University, and external assistance by Mr. PRAMOD , Founder of Salesdesk, Kalsoft Pvt Ltd, Kothanur, Bangalore , Karnataka -560077.

I am submitting this dissertation project in partial fulfilment of the university regulations for the award of degree of Bachelor of Business Administration during the academic year 2022-2023, School of Management Studies, REVA University, Bangalore.

I have undergone Dissertation project for a period of 4- 6 weeks. I further declare that this project is based on the original study undertaken by the me and has not been submitted for the award of any degree/diploma from any other University/Institution.

  
28/11/2022



Signature of the Student  
Student Name: SHREYAS V PATIL



Date: 01<sup>st</sup> SEP 2022

## To Whom It May Concern

This is to inform that **Mr Shreyas Patil** pursuing degree in BBA at Reva University Banagaluru- has completed internship for **1 months** in Kalsoft Solutions Pvt, Ltd, RevaNest, Bangaluru branch from **1<sup>st</sup> AUG 2022** till **31<sup>th</sup> AUG 2022** for Stipend of **15,000/- INR**.

He has worked for Digital Marketing Project of SalesDesk.

SalesDesk Digital Marketing

1. SalesDesk Website
2. LinkedIn Marketing

If you have any question, please feel free to reach out to me.

Sincerely,



Pramod Kalyani

Managing Director

Kalsoft Solutions Private Limited

HO.#116, Vinayak Arcade, Akurdi, Pune-411035

mob: +91 (0)9922346669

email: [promod.kalyani@kalsoftco.com](mailto:promod.kalyani@kalsoftco.com)

[www.kalsoft.in](http://www.kalsoft.in)





**REVA**  
**UNIVERSITY**

Bengaluru, India

***School of Management Studies***

***BBA (ENTREPRENEURSHIP)***

***Internship Report on Organisational study of  
Air Flow Engineers***

***Submitted to:***

***Dr Nitu Ghosh  
Director  
School of Management Studies  
REVA University***

***Submitted by:***

***V H Rishabh  
R20BM1722***

***Date of Submission: 27 OCTOBER, 2022***



# Letter of Transmittal

Dr Nitu Ghosh  
Director  
School of Management Studies  
JEEVA University

**Subject: Submission of Internship Report**

Respected Ma'am,

It is my great pleasure to submit the internship report titled "**Lean operation of Air Flow Engineers**" which has been prepared as an integrated part of the course requirement of my BBA (3rd) program. My internship was held at Air Flow Engineers , Rajajinagar (560010), Bangalore-India.

It will be highly appreciated if you kindly accept the report. Your positive action regarding this matter would be very much helpful for my academic career. It has also to be mentioned that without your expert advice and cooperation it would not have been possible to complete this report. If you need any further clarification or information in interpreting this analysis, I will be glad to answer your queries.

Sincerely yours

**H Rishitha**  
20BM842  
BBA Entrepreneurship,  
School Of Management Studies,  
JEEVA University.



# AIR FLOW ENGINEERS



No. F- 64, KSSIDC BUILDING Rajajinagar Industrial Estate, Opp: IT Park, Bengaluru-560010. Telephone : 080-23304175  
E-mail : [info@airflowengineers.com](mailto:info@airflowengineers.com) / [sales@airflowengineers.com](mailto:sales@airflowengineers.com) / [enquiry@airflowengineers.com](mailto:enquiry@airflowengineers.com)  
Website : [www.suprahoods.com](http://www.suprahoods.com) / [www.airflowengineers.com](http://www.airflowengineers.com)

## CERTIFICATE

This is to certify that, Ms.RISHITHA V H , (Reg.No:R20BM842) Bachelor of Business Administration Entrepreneurship (BBA-E) student of School of Business and Management, Reva University, Bengaluru, has completed her project work "Internship Training" at Air Flow Engineers , Bangalore, during the period from 24.07.2022 to 24.08.2022, as a part of her BBA Course. During the above period her conduct and performance are found good. We wish her all the best for her future endeavors.

Yours faithfully

For **AIR FLOW ENGINEERS,**

**Pooja N**







**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **School of Management Studies**

## **BBA(Entrepreneurship)**

**Internship Report on Supply chain management of  
SIVA SAKTHI HANDCRAFTS**

**Submitted to:**

**Prof: Nagaraju L G**

**School of management studies REVA  
University**

**Submitted by:**

**GM. JABIRUDDIN**

**R20BM843**

**Date of Submission: 27<sup>th</sup> NOVEMBER 2022**



## DECLARATION

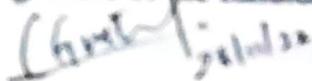
I, Mr. G.M. Jabiruddin student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report/Dissertation entitled "Supply chain management" prepared by me under the supervision of Prof. Nagaraju at REVA University.

I am submitting this Project Report/Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23.

I declare that this project report has been tested for plagiarism and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project/ dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/Institution.

(Signature of the candidate)

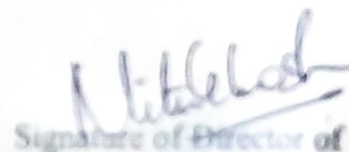


Signed by me on:

Certified that this project work submitted by G.M. Jabiruddin has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.



Signature of Guide  
School

  
Signature of Director of School

Date:

Official Seal of the School

Date: 22/11/22





## **SIVA SAKTHI HANDCRAFTS**

**Office:** 21-5-45/E, Madhava Nagar, Tirupati, Andhra Pradesh, India.

### **INTERNSHIP CERTIFICATE**

This is to certify that **G.M. Jabiruddin**, a student of Bachelor of business administration from **REVA UNIVERSITY, Bangalore** did internship on Collaborative Management in **Siva Sakthi Handcrafts** from 20/08/2022 to 25/09/2022. His performance during the course was outstanding. He contributed with his teammates well and came up with genuine ideas. We appreciate his involvement and enthusiasm to learn new technologies.

we wish him the best for his bright future.

  
**SIVASAKTHI HANDCRAFTS**  
D.No. 21-5-45/E, Madhava Nagar  
**TIRUPATI - 517 501**  
**MR. HARI BABU**

**EXECUTIVE MANAGER**  
**SIVA SAKTHI HANDCRAFTS**





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**Minor Project Report**

**On**

**ACQUIS COMPLIANCE ENGINEERING PRIVATELY HELD**

**Submitted in fulfilment of the requirements for the award of the Degree of**

**BACHELOR IN BUSINESS ADMINISTRATION**

**IN**

**ENTREPRENURSHIP**

**Submitted by**

**MENAL.N**

**R20BM844**

**Under the guidance of:**

**Prof. Nagaraju L.G.**

**Nov 2022 Rukmini Knowledge Park, Kattigenahalli, Yelahanka,  
Bengaluru-560064**



## DECLARATION

I, Miss Menal.n student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "As Minor project "is the result the of project / dissertation work done by me under the supervision of Prof. Nagaraju L.G at REVA University.

I am submitting this Project Report / Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2021-2023

I declare that this project report has been tested for plagiarism, and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.

Menal.n

(Signature of the candidate)

Signed by me on: 23-11-2022

Certified that this project work submitted by Karen Lynn Kalal has been carried out under my / our guidance and the declaration made by the candidate is true to the best of my knowledge.

Signature of Guide

Signature of Director of School

Date:

Date:

29/11/22

Official Seal of the School



## Acquis Engineering

#9/2, Hennur Bagalur Main road, Bengaluru - 560077, India

E-Mail: [info@acquiscompliance.com](mailto:info@acquiscompliance.com)

Website: [www.acquiscompliance.com](http://www.acquiscompliance.com)

### Ongoing Internship Certificate

**Date:** 08 November 2022

**Intern Name:** Menal Manzoor

**Position:** Digital Marketing Intern

#### To Whomsoever It May Concern:

This is to certify that Menal Manzoor is doing her internship in Digital Marketing at Acquis Engineering from 17<sup>th</sup> October and will complete her internship in the month of Jan 2023.

She is supporting our **Digital Marketing** group in **Market Research** activities. She is demonstrating her skills with self-motivation and learning by completing the assigned tasks and her performance is satisfactory.

Yours Sincerely,

Hitesh Ram

Manager - Finance & Operations

**Acquis Engineering LLP.**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF MANAGEMENT STUDIES**

**A Minor Project Report**

**On**

**LaRa Consulting & Agri Business Pvt Ltd..**

**Submitted in fulfillment of the requirements for the award of the Degree of**

**BACHELOR IN BUSINESS ADMINISTRATION IN  
ENTREPRENEURSHIP**

**Submitted by  
Krishna Rao KGS  
R20BM845**

**Under the guidance of: Prof. Nagaraju L.G.**



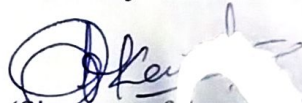
## **DECLARATION**

I, Mr. Krishna Rao KGS student of BBA Entrepreneurship, belong in to School of Management Studies, REVA University, declare that this Project Report / Dissertation entitled "**Report on LaRa Consulting & Agri. Business Pvt. Ltd**" is the result the of project / dissertation work done by me under the supervision of Prof. Nagaraju L.G at REVA University.

I am submitting this Project Report/Dissertation in partial fulfilment of the requirements for the award of the degree of Bachelors of Business Administration in Entrepreneurship by the REVA University, Bangalore during the academic year 2022-23

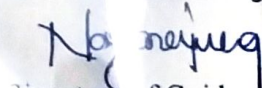
I declare that this project report has been tested for plagiarism, and has passed the plagiarism test with the similarity score less than 25% and it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

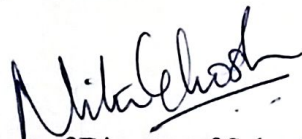
I further declare that this project / dissertation report or any part of it has not been submitted for award of any other Degree / Diploma of this University or any other University/ Institution.

  
(Signature of the candidate)

Signed by me on:

Certified that this project work submitted by Krishna Rao KGS has been carried out under our guidance and the declaration made by the candidate is true to the best of my knowledge.

  
Signature of Guide

  
Signature of Director of School

Date: 28/11/22

Date: 29/11/22

Official Seal of the School





## LaRa Consulting & Agri Business

Shop No. 5, Hanuma Complex, Vaddinakoppa, Vidyanagar Post, N.R. Pura Road,  
Shivamogga- 577203; Ph:9481487797; Email:[nagaraj.lara@outlook.com](mailto:nagaraj.lara@outlook.com)

GSTIN:29AAGPN1800K1ZP

Date:26.11.2022

### **To whomsoever it may concern**

This is to certify that Mr. Krishna Rao K.G.S (R20BM845) ,5<sup>th</sup> Semester of Bachelor in Business Administration in Entrepreneurship, REVA University, Bengaluru has successfully completed his internship in "LaRa Consulting & Agri Business", Shivamogga from 14.09.22 to 22.10.22.

During his stint in our organization, he was involved in data collection (primary & secondary data), data compilation and financial analysis during the preparation of detailed project reports (DPR). These DPRs are required by the clients/ farmers for acquiring loans from financial institutions and also for getting subsidy under various Central/State Govt., schemes.

We are pleased to state that we found Mr. Krishna Rao to be a very keen learner, proactive and focused his assignment during his internship. He is an intelligent, sincere and hardworking person, who can go a long way in his future career.

We wish him all the best in his future endeavours.

Best Regards

**For LaRa Consulting & Agri Business**

Dr. C. R. NAGARAJ





**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **School of Management Studies**

## **BBA(Entrepreneurship)**

Internship Report on  
Project Management System of  
Godavari plasto Containers pvt ltd

Submitted to:

**Prof: Nagaraju L G**

**School of management studies REVA  
University**

Submitted by:

**MORUSUPALLI VAISHNAVI  
R20BM846**

Date of Submission: 27<sup>th</sup> NOVEMBER 2022



## Letter of Authorisation

is to certify that the internship report titled "Godavari plasto Containers pvt ltd" has been  
itted for the award of bachelor of Business Administration (BBA) with major in Entrepreneurship  
REVA University carried out by **MORUSUPALLI VAISHNAVI** ,Student ID **R20BM846** under  
pervision.

permitted to submit the internship report.

*Nagaraju LG*

Nagaraju LG  
nt Professor  
of Management Studies,  
University.

*Nithulash*  
29/11/22.

# Acknowledgment



**TO WHOMSOEVER IT MAY CONCERN**

## **CERTIFICATE**

This is to certify that Ms. Morusupalli Vaishnavi, Bachelor of Business Administration Entrepreneurship (BBA-E) student of School of Business and Management, Reva University, Bengaluru, has completed her project work Internship Training at M/s. Godavari Plasto Containers Pvt Ltd, Hyderabad, Telangana, during the period from 01.08.2022 to 01.09.2022, as a part of Assistant Accessories management. During the above period her conduct and performance are found good. We wish her all the best for her future endeavors.

For Godavari Plasto Containers Pvt Ltd



Authorized Signatory

**Godavari Plasto Containers Pvt. Ltd.**

Plot No.: 99/1/B, Phase II, IDA,  
Cherlapally, Hyderabad - 500 051.

Tel : 040 - 69999528

Email: sales@godavariplasto.com

CIN No : 01-27255/1997-98



**DNV**

ISO 9001 : 2000





**REVA**  
UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

on

**“Genetic algorithm based Timetable Generation system”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Abhilash S (R19CA001)**

**Deepak Hazarika (R19CA017)**

**Anurag Varshney (R19CA007)**

Under the Guidance of

**Dr. Rajeev Ranjan**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

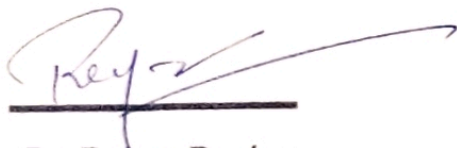
[www.reva.edu.in](http://www.reva.edu.in)



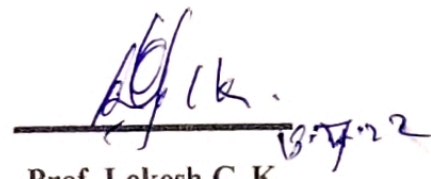
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **Genetic algorithm based Timetable Generation system**, is being carried out under our guidance by **Mr. Abhilash S (R19CA001)**, **Mr. Deepak Hazarika (R19CA017)**, **Mr. Anurag Varshney (R19CA007)** a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



**Dr. Rajeev Ranjan**  
Internal Guide



**Prof. Lokesh C. K**  
Academic Vertical Head-BCA



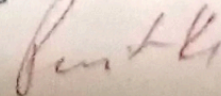
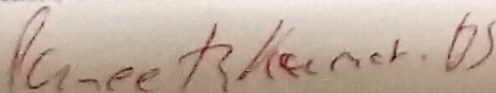
**Dr. S. Senthil**  
Professor and

**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Name of the Examiner with Affiliation**

**Signature with Date**

1.



2.





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A PROJECT REPORT**

**on**

**“HOME AUTOMATION SYSTEM”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

Mr Manoj G B(R19CA228)

Mr Lokesh Gowda(R19CA223)

Mr Kolli Rohit(R19CA221)

Under the Guidance of

Prof. P Sree Lakshmi

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **HOME AUTOMATION SYSTEM**, is being carried out under our guidance by Manoj G B, Lokesh Gowda, Kolli Rohit, R19CA228, R19CA223, R19CA221, bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

*P. Sree Lakshmi*  
19/7/22

P Sree Lakshmi  
Professor

School of CSA, REVA University

Signature with Date

*Lokesh C. K*

Lokesh C. K  
Assistant Professor  
School Of CSA, REVA University

Signature with Date

*S. Senthil*

Dr. S. Senthil  
Professor and Director

**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1.

*P. Sree Lakshmi*

2.

*A*

Signature with Date

*P. Sree Lakshmi*  
19/7/22

2

19/7/22



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS  
A PROJECT REPORT

on

**“Farming Assistance for Soil”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

Ms. Akshata (R19CA005)

Ms. Beer Bahadur GariPooja (R19CA012)

Ms. Ramya (R19CA048)

Under the Guidance of

**Prof. Lokesh C. K**

**Assistant Director**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - **Farming Assistance For Soil**, is being carried out under our guidance by

**Ms. AKSHATA (R19CA005), Ms. BEER BAHADUR POOJA (R19CA012), Ms. RAMYA (R19CA048)**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

**Prof. Lokesh C. K**  
**Assistant Director**  
**Internal Guide**

Signature with Date

**Prof. Lokesh C. K**  
**Assitant Director**  
**Academic Vertical HeadBCA**

Signature with Date

**Dr. S. Senthil**  
**Professor and Director**  
**DIRECTOR**

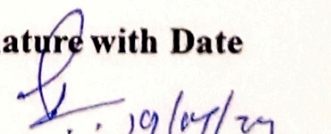
**School of Computer Science & Applications**  
**REVA University, Kattigenanalli,**  
**Bangalore - 560 064.**

Name of the Examiner with Affiliation

Signature with Date

1. 

2. 

  
19/07/22



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

**on**

**“Insurance Fraud Detection ”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Member 1-: Govardhan KG (R19CA023)**

**Member 2-: Sarikonda Pavankumar (R19CA051)**

**Member 3-: Hajnale Anmol(R19CA025)**

Under the Guidance of

**Prof. Krishnamurthy R**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064




**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

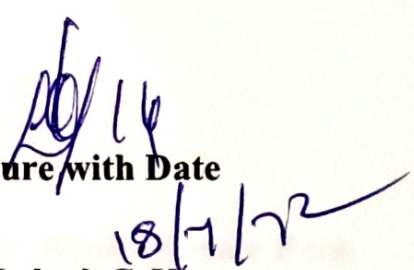
**CERTIFICATE**

The project work titled – “Insurance Fraud Detection”, is being carried out under our guidance by Govardhan KG (R19CA023) , Sarikonda Pavankumar (R19CA051) , Hajnale Anmol (R19CA025) a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Computer Applications during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

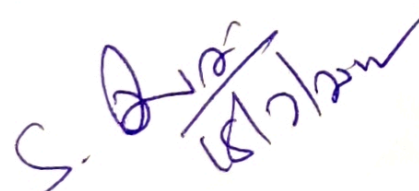
**Signature with Date**

  
Prof. Krishnamurthy R  
Internal Guide  
18/7/22

**Signature with Date**

  
Prof. Lokesh C. K  
Academic Vertical Head-BCA  
18/7/22

**Signature with Date**

  
Dr. S. Senthil  
Professor and Director  
18/7/22

**Name of the Examiner with Affiliation**

**Signature with Date**

1.

2.



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A PROJECT REPORT

on

**“Facial Emotion Recognition System Using Deep Learning”**

Submitted in partial fulfilment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**Ms. K Sujitha (R19CA029)**

**Ms. Pooja G (R19CA044)**

**Mr. K S Phanindra Kumar (R17CA087)**

Under the Guidance of

**Prof. Krishna Murthy R**

July 2022


Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064




## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled - Facial Emotion Recognition System Using Deep Learning, is being carried out under our guidance by K Sujitha - R19CA029, Pooja G - R19CA044, KS Phanindra Kumar - R17CA087, bonafide students of REVA University, and are submitting the project report in partial fulfilment, for the award of Bachelor of Computer Applications during the academic year 2021-22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date 19/7/22

Prof. Krishna Murthy  
Internal Guide

  
Signature with Date

Prof. Lokesh CK  
Academic Vertical Head-BCA

Signature with Date

Dr. S Senthil  
Professor and Director

**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the examiner with affiliation

Signature with date

- 1.
- 2.



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS  
A PROJECT REPORT ON

**Reading Zone Application Using Microservice  
Architecture**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by:

**Mr. RAHUL M (R19CA046)**

**Mr. SRI RAM G A (R19CA055)**

**Mr. TANUSH KUMAR A (R19CA057)**

Under the Guidance of  
**Prof. Vijayalaxmi P Chiniwar**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)



## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

Certified that the project work entitled **Reading Zone Application using Micro Service Architecture** carried out under my guidance by **Rahul M (R19CA046)**, **Sri Ram G A (R19CA055)**, and **Tanush Kumar A (R19CA057)**, a bonafide student of REVA University during the academic year 2020-2021, is submitting the project report in partial fulfillment for the award of **Bachelor of Computer Applications** during the academic year **2021-2022**. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Dr. A.p. Bhuvaneshwari  
Signature with date

Guide name  
Prof. Vijayalaxmi P  
Chiniwar

18/7/22  
Signature with date

Prof. Lokesh C  
Program Coordinator

S. Senthil  
Signature with date

Dr. S. Senthil  
Director

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with affiliation

18/7/22  
Signature with Date

1. S. Senthil

2.





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

**on**

**“Handwritten character Recognition using Deep learning models”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Mr. Ajit B R (R19CA066)**

**Mr. Deepu R Nandihalli (R19CA080)**

**Mr. Harshavardhan S N (R19CA085)**

Under the Guidance of

**Prof. P Sree Lakshmi**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **Handwritten character Recognition using Deep learning models**, is being carried out under our guidance by **Ajit B R (R19CA066)**, **Deepu R Nandihalli (R19CA080)**, **Harshavardhan S N (R19CA085)** a Bonafede student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*P. Sree Lakshmi*  
19/7/22

**P Sree Lakshmi**  
Internal Guide

*Prof. Lokesh C. K*  
19/7/22

**Prof. Lokesh C. K**  
Academic Vertical Head-BCA

*S. Senthil*

**Dr. S. Senthil**  
Professor and Director

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

**External Examiner**

**Name of the Examiner with Affiliation**

**Signature with Date**

1.

2.



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A PROJECT REPORT

on

Android News Application

Submitted in partial fulfilment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**Ms. Bindushree N (R19CA076)**

**Ms. N R Bhindu (R19CA097)**

Under the Guidance of

**Dr. Ambili P S**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)

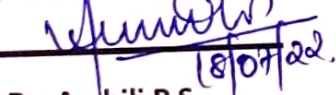


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **Android News Application** is being carried out under our guidance by, **Ms. Bindushree N (R19CA076)** and **Ms. N R Bhindu (R19CA097)** a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

  
18/07/22

Dr. Ambili P S

Internal Guide

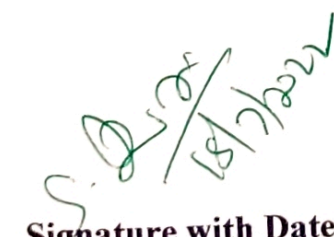
Signature with Date

  
18.7.22

Prof. Lokesh C. K

Academic Vertical Head-BCA

Signature with Date

  
18/7/22

Dr. S. Senthil

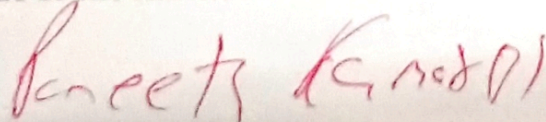
Professor and Director

**DIRECTOR**

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

Name of the Examiner with Affiliation

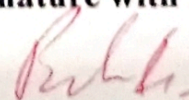
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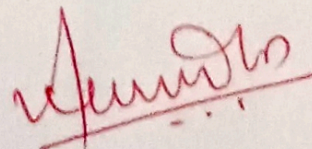


2.

Dr. Ambili P.S.

Signature with Date









**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

on

**“DETECTION OF LIVER CANCER USING IMAGE PROCESSING TECHNIQUES”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Mr. CHARAN.DR (R19CA078)**

**Mr. E. AKHIL(R19CA081)**

**Mr. SAI VIKAS.T(R19CA106)**

Under the Guidance of

**Prof. KRISHNA MURTHY.R**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

<sup>1</sup>  
[www.reva.edu.in](http://www.reva.edu.in)



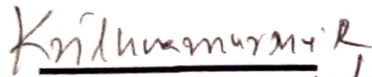


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **DETECTION OF LIVER CANCER USING IMAGE PROCESSING TECHNIQUE'S**, is being carried out under our guidance by **Charan.DR, E. Akhil, Sai Vikas. T, R19CA078, R19CA081, R19CA106**, a student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Computer Applications during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

  
12/7/22

Prof. KRISHNA

MURTHY.R

Signature with Date



18.7.22

Prof. Lokesh C. K  
Academic Vertical Head-BCA

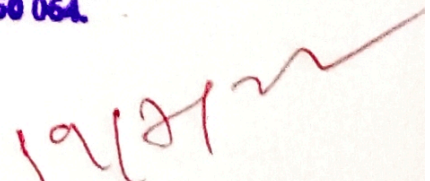
Signature with Date



**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**  
Dr. S. Senthil  
Professor and Director

Name of the Examiner with Affiliation

Signature with Date



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SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A PROJECT REPORT

on

**“Online Dj Booking System”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**Ms. Chaitra.B (R19CA077)**

**Ms. Sangeetha.G (R19CA107)**

Under the Guidance of

**Prof. Krishna Murthy.R**

July 2022  
1

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

CERTIFICATE

The project work titled – “Online Dj Booking System”, is being carried out under our guidance by, Chaitra.B, (R19CA077),Sangeetha.G,(R19CA107) a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

KrishnaMurthy R  
19/7/22

Prof.KrishnaMurthy. R

Internal Guide

Signature with Date

19/7/22

Prof. Lokesh C. K

Academic Vertical Head-BCA

S. Senthil  
Signature with Date

**DIRECTOR**  
Dr. S. Senthil  
Professor and Director  
School of Computer Science & Applications  
REVA University, Kattimenanalli,  
Bengaluru - 560 064.

Name of the Examiner with Affiliation

Signature with Date

1.

2.



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

on

**“EMOTION BASED MUSIC PLAYER”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Ms. Srishti Dasgupta(R19CA115)**

**Ms. Preeti(R19CA099)**

Under the Guidance of

**Dr. Vijayalakshmi A Lepakshi**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **Emotion Based Music Player**, is being carried out under our guidance by **Srishti Dasgupta, R19CA115, Preeti, R19CA099**, a Bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

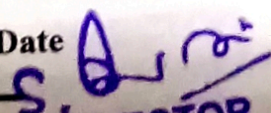
  
Signature with Date  
19/7/22

**Dr. Vijayalakshmi A Lepakshi**  
Internal Guide

  
Signature with Date

**Prof. Lokesh C. K**  
Academic Vertical Head-BCA  
19/7/22

Signature with Date

  
**Dr. S. Senthil**  
Professor

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1) Dr. Vijayalakshmi A. L.

2) Preeti R.

Signature with Date





**REVA**  
UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

**on**

**“Application Streaming using Docker Containers”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Tushar Vaswani (R19CA119)**

**Shefali Singh (R19CA110)**

**Aniket Aich (R19CA069)**

Under the Guidance of

**Dr. G. KADIRAVAN**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

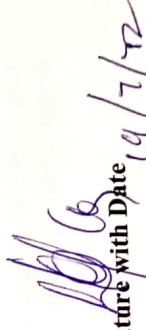
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled “**Application Streaming using Docker Containers**”, is being carried out under our guidance by **Tushar Vaswani (R19CA119)**, **Shafali Singh (R19CA110)** and **Aniket Aich (R19CA069)** bonafide students of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for a forementioned Degree.

  
Signature with Date 19/7/22

**Dr. G. KADIRAVAN**  
Internal Guide

  
Signature with Date 19/7/22

**Prof. Lokesh C. K**  
Academic Vertical Head-BCA

Signature with Date 19/7/22

**Dr. S. Senthil**  
Professor and Director  
**SCHOOL OF COMPUTER SCIENCE & APPLICATIONS**  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

Signature with Date

1.   
Name of the Examiner with Affiliation
2.   
Name of the Examiner with Affiliation





**REVA**  
UNIVERSITY  
Bengaluru, India

SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS  
A PROJECT REPORT  
ON  
SMART HEALTH MONITORING SYSTEM

Submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**Mr. Vignesh Y (R19CA122)**

**Mr. Sanjeevkumar S U (R19CA108)**

**Mr. K Ganesh Reddy (R19CA089)**

Under the Guidance of

**Dr. Thontadari C.**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)



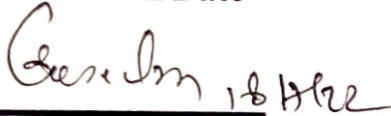


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **Smart Health Monitoring System** is being carried out under our guidance by **Vignesh Y, Ganesh Reddy K, SanjeevKumar S U. R19CA122, R19CA089, R19CA108**. a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the said Degree.

Signature with Date

  
18/7/22

Internal Guide  
Dr. Thontadari C

Signature with Date

  
18/7/22

Prof. Lokesh C. K  
Academic Vertical Head-BCA

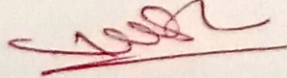


Signature with Date

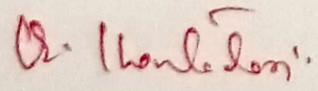
**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Dr. Sanjeev Kumar S U 560 064.**  
**Professor and Director**

Name of the Examiner with Affiliation

Signature with Date

1.  **HARISH H**  
19/7/22

19

2.  **Dr. Thontadari C**  
19/7/22



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A PROJECT REPORT

on

“INDIAN FOOTBALL HUB”

Submitted in partial fulfillment of the requirements for the award of Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

VIKAS KUMAR M(R19CA123)

M DHRUVA BELLIPPA(R19CA092)

Under the Guidance of

Prof. JESLA JOSEPH

July 2022

Rukmini Knowledge Park, Kattigenahalli , Yelahanka, Bengaluru-560064

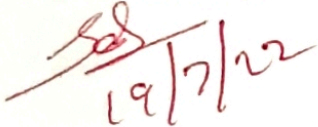
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled INDIAN FOOTBALL HUB, is being carried out under our guidance by **Mr. VIKAS KUMAR M(R19CA123)**, **Mr. M DHRUVA BELLIAPPA(R19CA092)**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

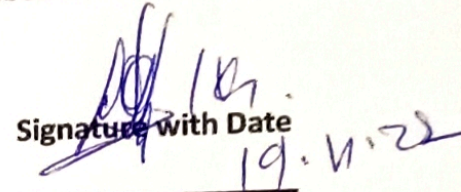
Signature with Date

Prof. Jesla Joseph



19/7/22

Signature with Date



19.11.22

Prof. Lokesh C. K

Academic Vertical Head-BCA



Signature with Date

Dr. S. Senthil

Professor and Director

**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

Name of the Examiner with Affiliation

Signature with Date

1



19/7/22

2





**REVA**  
UNIVERSITY  
Bengaluru, India

SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A PROJECT REPORT

on

“Recognition of Handwritten Digit Using CNN”

Submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**Mr. Dolphy D Souza (R19CA143)**

**Mr. Harish Kumar H (R19CA145)**

**Mr. Siddesh T S (R19CA182)**

Under the Guidance of

Prof. Kusha K R

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **RECOGNITION OF HANDWRITTEN DIGIT USING CNN** is being carried out under our guidance by **Dolphy D Souza (R19CA143)**, **Harish Kumar H (R19CA145)**, **Siddesh T S (R19CA182)**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

Prof. Kusha K R  
Internal Guide

Signature with Date

Prof. Lokesh C. K  
Academic Vertical Head-BCA

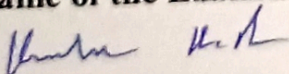
Signature with Date

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

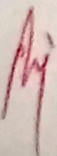
Dr. S. Senthil  
Professor and Director

Name of the Examiner with Affiliation

1

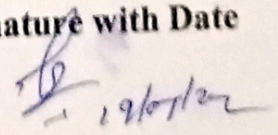


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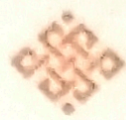


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Signature with Date







**REVA**  
UNIVERSITY  
Bengaluru, India

SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A PROJECT REPORT

on

Drowsiness Detector

and

Wake-Up Alerter

Submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**S Sandeep (R19CA178)**

**Vimarshan K.M (R19CA190)**

**Dhanush. M (R19CA142)**

Under the Guidance of

**Prof. Krishnamurthy. R**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

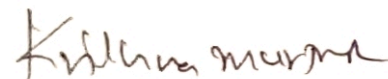
[www<sup>1</sup>.reva.edu.in](http://www<sup>1</sup>.reva.edu.in)




**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**


**CERTIFICATE**

Certified that the project work entitled **Drowsiness Detector and Wake-Up Alerter** carried out under my guidance by **Vimarshan K.M.** (R19CA190), **Dhanush .M** (R19CA142), **S.Sandeep** (R19CA178) a bonafide student of REVA University during the academic year 2021-2022, is submitting the project report in partial fulfillment for the award of **Bachelor of Computer Applications** during the academic year **2021-2022**. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
Signature with date

Guide name 19/7/22  
Prof.  
Krishnamurthy. R

  
Signature with date 19/7/22  
Prof. Lokesh C.K  
Academic Vertical  
Head-BCA

  
Signature with date

**DIRECTOR**  
Dr. S. Senthil  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with affiliation

  
Signature with Date

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**REVA**  
UNIVERSITY  
Bengaluru, India

# **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

## **A PROJECT REPORT On**

### **“Paraphrasing using Transformers in python”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

## **BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

<b>Name</b>	<b>SRN</b>
Mr. Aditya R R	R19CA196
Ms. Akshita G Maylin	R19CA208
Mr. Aaron Aleric D'souza	R19CA195

Under the Guidance of  
Prof. Krishnamurthy R  
Assistant Professor, School of CSA  
Reva University

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka,  
Bengaluru -560064

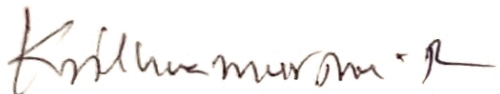
[www.reva.edu.in](http://www.reva.edu.in)



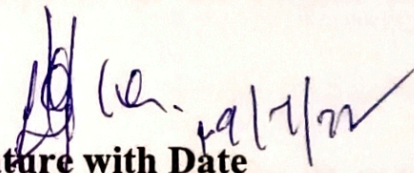
## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled – “Paraphrasing using Transformers in python”, is being carried out under my guidance by Mr. Aditya R R with SRN R19CA196, Ms. Akshita G Maylin and Mr. Aaron Alaric D’Souza SRN R19CA195 bonafide student of REVA University, are submitting the project report in partial fulfillment for the award of **Bachelor of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date 19/7/22

**Prof. Krishnamurthy R**

  
Signature with Date 19/7/22

**Prof. Lokesh C. K**  
**Academic Vertical Head-BCA**

Signature with Date  
Dr. S. Senthil  
Professor and Director  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
External Examiner

Name of the Examiner with Affiliation

Signature with Date

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**REVA**  
UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND**  
**APPLICATIONS**

A PROJECT REPORT on  
"REVA KNOWLEDGE"

Submitted in partial fulfillment of the requirements for the award of the  
Degree of

BACHELOR OF COMPUTER APPLICATIONS

Submitted by

**Ms. Alisha Gupta (R19CA198)**  
**Ms. Hemashree M (R19CA213)**  
**Ms. Epsita Urmi (R19CA207)**

Under the Guidance of  
**Prof. KUSHA K R**

July 2022  
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064  
[www.reva.edu.in](http://www.reva.edu.in)

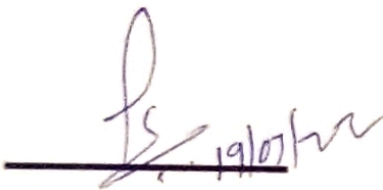


**SCHOOL OF COMPUTER SCIENCE**

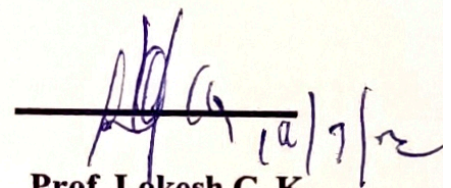
**AND APPLICATIONS**

**CERTIFICATE**

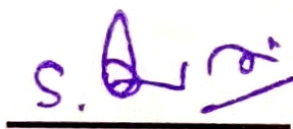
The project work titled - REVA Online Library, is being carried out under our guidance by Ms. Alisha Gupta (R19CA198), Ms. Hemashree M (R19CA213), Ms. Epsita Urmi (R19CA207) Bonafide students of REVA University, and are submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



**Prof. Kusha K R**  
**Internal Guide**



**Prof. Lokesh C. K**  
**Academic Vertical Head-  
BCA**

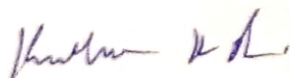



**Dr. S Senthil**  
**Professor and Director**  
**DIRECTOR**

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

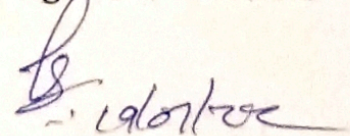
**Name of the Examiner with Affiliation**

**Signature with Date**

1. 

2. 

**Signature with Date**







**REVA**  
UNIVERSITY  
Bengaluru, India

# **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Attinder: Attendance Management Web App**

Submitted in partial fulfilment of the requirements for the award of the Degree of

**Bachelor Of Computer Applications**

**Submitted by**

**M. Darshan (R19CA205)**

**LS.Harish(R19CA211)**

**R. Goutham(R19CA210)**

**Under the Guidance of**

**Prof. Krishnamurthy sir**

**July 2022**

**Rukmini Knowledge Park, Ka7genahalli, Yelahanka, Bengaluru -560064**

[www.reva.edu.in](http://www.reva.edu.in)



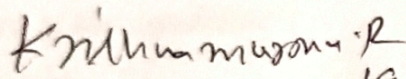


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

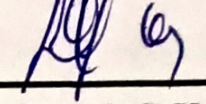
The project work titled "Attinder: Attendance Management Web App" is being carried out under our guidance by a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year 2021-22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

**Signature with Date**

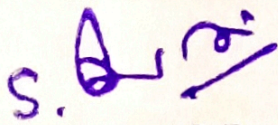
  
**Prof. Krishnamurthy sir** 19/7/22

**Internal Guide**

**Signature with Date**

  
**Prof. Lokesh C. K sir** 19/7/22

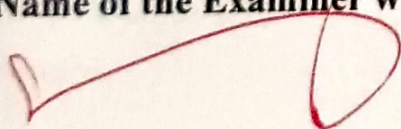
**Academic Vertical Head-BCA**

  
**Signature with Date**


**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**  
**Director of the department**

**Name of the Examiner with Affiliation**

1.



2.

  
**Signature with Date**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A PROJECT REPORT**

**on**

**“SMART PARKING SYSTEM”**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**BACHELOR OF COMPUTER APPLICATIONS**

Submitted by

**Ms. ANVITA (R19CA259)**

**Ms. B. LIKHITH(R19CA140)**

**Mr. ROHIT. S (R19CA168)**

Under the Guidance of

**Prof. KRISHNA MURTHY R**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru -560064

[www.reva.edu.in](http://www.reva.edu.in)

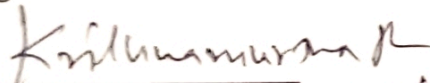


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**


**CERTIFICATE**

The project work titled – **Smart parking System** , is being carried out under our guidance by **Anvita (R19CA259)** , **B.Likhitha (R19CA140)** , **Rohit.S(R19CA168)** a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.


Signature with Date

  
\_\_\_\_\_  
Prof. Krishna Murthy R 19/7/22

Signature with Date

  
\_\_\_\_\_  
Prof. Lokesh C. K  
Academic Vertical Head-BCA 19/7/22

Signature with Date

  
\_\_\_\_\_  
Dr. S. Senthil  
Professor and Director

**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

Signature with Date





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Customer Churn Analysis Using Telecom Data**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -**

**Cloud Computing and Big Data**

Submitted by

**Bharadwaj B**

**R19BS005**

Under the guidance of

**Prof Vidya S**  
**Internal Guide**

**Prof Pradeep**  
**External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**

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**REVA**  
UNIVERSITY  
Bengaluru, India

## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled – **Customer Churn Analysis Using Telecom Data**, is being carried out under our guidance by **Bharadwaj B, R19BS005**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honours) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*Vidya S*  
23/7/22  
Signature with date

Prof Vidya S  
Internal Guide

*Pradeep*  
Signature with date

Prof Pradeep  
External Guide

*Sasikala*  
25/7/22  
Signature with date

Dr.G.Sasikala  
Academic Vertical Head-BSc (R)

*S. Senthil*  
Signature with Date  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
Dr. S. Senthil

Professor and Director

Name of the Examiner with Affiliation

Signature with Date

1. VIDYA S
2. SHRIKRISHNA TAMBE

*Vidya S*  
25/7/22

*Tambe*  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

**BUILDING A PRIVATE CLOUD USING OPENSTACK**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data

Submitted by

DEEPTHI T  
R19BS009

Under the guidance of

Prof. Vinay G  
Internal Guide

Mr. Priyadarshi Sahoo  
External Guide

25<sup>th</sup> July 2022

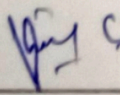
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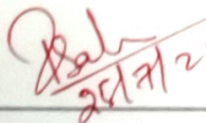
**CERTIFICATE**

The project work titled **-BUILDING A PRIVATE CLOUD USING OPENSTACK**, is being carried out under our guidance by **Deepthi T. R19BS009**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Cloud Computing and Big Data** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



25/7/22

**Prof. Vinay G**  
**Internal Guide**



25/7/22

**Mr. Priyadarshi Sahoo**  
**External Guide**



25/7/22

**Dr.G. Sasikala**  
**Academic Vertical Head-BSc(H)**



S. S. DIRECTOR

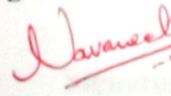
**School of Computer Science & Applications**  
**REVA University, Kothavalalli,**  
**Bangalore - 560 064.**

**Professor and Director**

**Name of the Examiner with Affiliation**

1. **Navaneet Deshpande**
- 2.

**Signature with Date**



25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

### **Fake News Detection using Machine Learning**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Sasi Kiran**

R19BS011

Under the guidance of

Prof. Vidya S  
Internal Guide

Prof. Pradeep  
External Guide

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
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**CERTIFICATE**

The project work titled - **Fake News Detection using Machine learning** , is being carried out under our guidance by **Sasi Kiran, R19BS011**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

*Vidya S*  
23/7/22

Prof. Vidya S  
Internal Guide

Signature with date

*Pradeep*

Prof. Pradeep  
External Guide

Signature with date

*Sasikala*  
23/7/22

Dr. G. Sasikala  
Academic Vertical Head-BSc (R)

Signature with Date

\_\_\_\_\_

Dr. S. Senthil  
Professor and Director

*S. Senthil*  
**DIRECTOR**

School of Computer Science & Applications  
REVA University  
Bangalore - 560 084.

Name of the Examiner with Affiliation

1. VIDYA S
2. SHRIKRISHNA TAMBE

Signature with Date

*Vidya S*  
25/7/22

*Shrikrishna Tambe*  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**A Compare Study of Distributed Message Broker Queues**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Mr. George Jolly Abraham**

**R19BS013**

Under the guidance of

**Prof. Krishna Murthy R**  
Internal Guide

**Dr. Rashmi Agarwal**  
External Guide

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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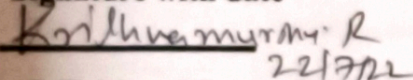


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

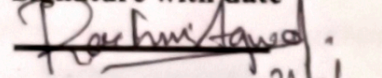
**CERTIFICATE**

The project work titled - A compare study of Distributed Message Broker Queues, is being carried out under our guidance by **George Jolly Abraham, R19BS013**, a Bonafede student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

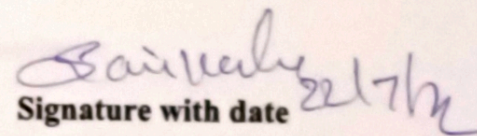
Signature with date

  
22/7/22  
**Prof. Krishna Murthy R**  
Internal Guide

Signature with date

  
22/7/22  
**Dr. Rashmi Agarwal**  
External Guide

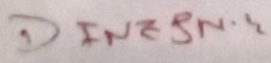
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22/7/22  
**Dr. G. Sasikala**  
Academic Vertical Head-BSc (R)

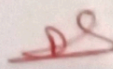
Signature with Date

  
**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**  
**Dr. S. Senthil**  
Professor and Director

**Name of the Examiner with Affiliation**

1.   
**DINESH**
2. **Krishna murthy. R**

**Signature with Date**

  
25/07/22  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

### **A Project Report on Plant Species Identification based on Plant Leaf Using Computer Vision and Machine Learning Techniques**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

### **Bachelor of Science (Honours) in Computer Science - Cloud Computing and Big Data**

Submitted by

**Hemanth SR**  
**R19BS016**

Under the guidance of

**Prof. Ravi. D**  
**Internal Guide**

**Mr Pradeep**  
**External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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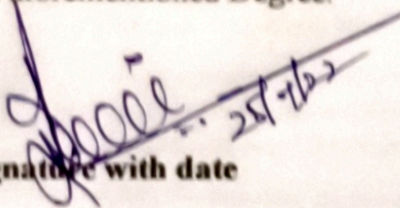


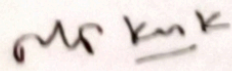


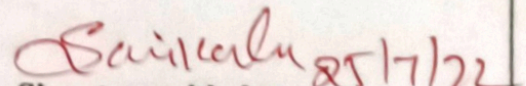
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**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - Plant Species Identification based on Plant Leaf Using Computer Vision and Machine Learning Techniques is being carried out under our guidance by **Hemanth SR, R19BS016** a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honours) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with date

  
Signature with date 22.07.2022

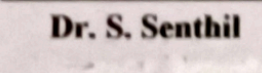
  
Signature with date 25/7/22

**Prof. Ravi. D**  
**Internal Guide**

**Mr Pradeep**  
**External Guide**

**Dr.G.Sasikala**  
**Academic Vertical Head-BSc (R)**

**Signature with Date**


  
**Dr. S. Senthil**  
**Professor and Director**

  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattige  
Bangalore - 560 066.

**Name of the Examiner with Affiliation**

1. Dinesh S
- 2.

**Signature with Date**

 25/07/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Wildfire forecast within the districts of Kerala using Fuzzy and Random  
Forest**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Mr. Jefin George**  
**R19BS017**

Under the guidance of

**Prof. Krishna Murthy R**  
**Internal Guide**

**Anil Bidari**  
**External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - Wildfire forecast within the districts of Kerala using Fuzzy and Random Forest, is being carried out under our guidance by **JEFIN GEORGE, R19BS017**, a Bonafede student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

*Krishna murthy*  
23/7/22

Prof. Krishna Murthy R  
Internal Guide

Signature with date

*Anil Bidari*  
21-07-2022

Anil Bidari  
External Guide

Signature with date

*Sasikala*  
25/7/22

Dr.G.Sasikala  
Academic Vertical  
Head-BSc (R)

Signature with Date

*S. Senthil*  
DIRECTOR

School of Computer Science & Applications

REVA University, Kattigenahalli,

Bangalore - 560 064.

Dr. S. Senthil

Professor and Director

Name of the Examiner with Affiliation

Signature with Date

1. DINESH

*Dinesh*  
25/07/22

2. Krishna murthy  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**No-SQL High Availability**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**P N Manas**

**R19BS023**

Under the guidance of

**Prof. Shreetha Bhat**  
Internal Guide

**Mr. Anil Bidari**  
External Guide

**July 2022**

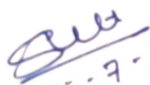
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**[www.reva.edu.in](http://www.reva.edu.in)**



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **No-SQL High Availability** is being carried out under our guidance by **P N Manas, R19BS023**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
25-7-2022

Signature with date

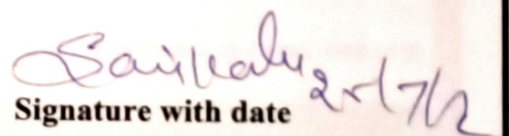
Prof. Shreetha Bhat  
Internal Guide



21-07-2022


Signature with date

Mr. Anil Bidari  
External Guide

  
25/7/22

Signature with date

Dr. G. Sasikala  
Academic Vertical Head-BSc (H)

  
Signature with Date

Dr. S. Senthil

Professor and Director

**DIRECTOR**

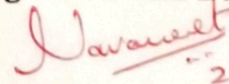
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1. Navaneeth Deshpande

2.

Signature with Date

  
25/7/22





**REVA**  
UNIVERSITY

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Political Tendency Identification using Machine Learning**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Monisha.R**

**(R19BS026)**

Under the guidance of

**Dr.Rajeev Ranjan  
(Internal Guide)**

**Mr. Rajashekara  
External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**

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## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled - **Political Tendency Identification using Machine Learning**, is being carried out under our guidance by **Monisha.R, R19BS026**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

**Dr.Rajeev Ranjan**  
Internal Guide

Signature with date

**Mr. Rajashekhara**  
External Guide

Signature with date

**Dr.G.Sasikala**  
Academic Vertical Head-BSc (R)

Signature with Date

**Dr. S. Senthil**  
Professor and Director

**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

Signature with Date

**Dr. R. Raju**   
25/7/22

**Prayadashi Sahu**   
25/7/22





**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**HOSTING WEBSITE USING AZURE APP SERVICE**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**RITU C YADAV**

**R19BS034**

Under the guidance of

**Dr. G. SASIKALA**

Internal Guide

**Mr. DEEPAK KUMAR TYAGI**

External Guide

July 2022

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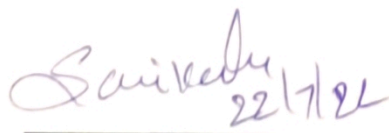


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - HOSTING WEBSITE USING AZURE APP SERVICE, is being carried out under our guidance by **Ritu C Yadav, R19BS034**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

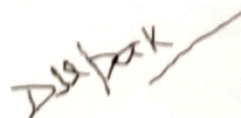
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22/7/22

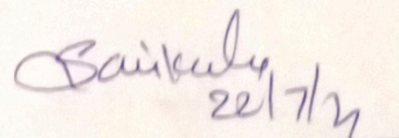
**Dr. G. SASIKALA**  
Internal Guide

Signature with date



**Mr. DEEPAK KUMAR  
TYAGI**  
External Guide

Signature with date



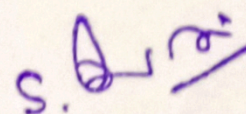
22/7/22

**DR. G. SASIKALA**  
Academic Vertical Head-BSc (H)

Signature with Date



**Dr. S. Senthil**  
Professor and Director

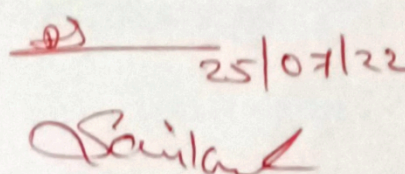


**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1. DINESH.2
2. Dr. G. SASIKALA

Signature with Date



25/07/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
On

**HEART DISEASE PREDICTION USING MACHINE LEARNING**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data

Submitted by

S Manoj Gowda

R19BS037

Under the guidance of

**Prof. Vijay Kumar H**  
Internal Guide

**Prof. Pradeep Kumar**  
External Guide

July 2022  
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
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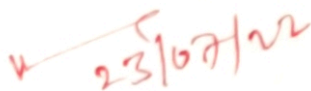


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**


The project work titled - **HEART DISEASE PREDICTION USING MACHINE LEARNING**, is being carried out under our guidance by **S Manoj Gowda, R19BS037**, a Bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

  
23/07/22

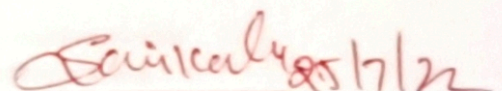
**Prof. Vijay Kumar**  
Internal Guide

Signature with date



**Prof. Pradeep Kumar**  
External Guide

Signature with date

  
25/7/22

**Dr.G. Sasikala**  
Academic Vertical Head-BSc (R)

Signature with Date


  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.


**Professor and Director**

Name of the Examiner with Affiliation

Signature with Date

1. **Shrikrishna Tambe**
2. **Vijayabharathi**

  
25/7/22

  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**INTEGRATING AWS AND SALESFORCE USING AMAZON APP FLOW**

**Submitted in Partial fulfillment of the requirements for the award of the Degree of**

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

**Submitted by**

**S SINDHU**

**R19BS038**

**Under the guidance of**

**Dr. RAJEEV RANJAN**  
**Internal Guide**

**Mr. JYOTHI RANJAN PANDA**  
**External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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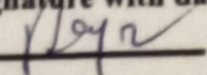
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**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

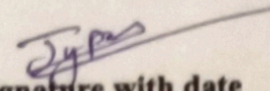
**CERTIFICATE**

The project work titled INTEGRATING AWS AND SALESFORCE USING AMAZON APP FLOW, is being carried out under our guidance by S SINDHU , R19BS038, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

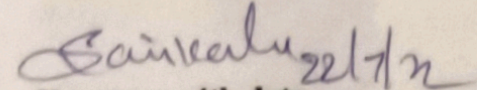
Signature with date

  
Dr. Rajeev Ranjan  
Internal Guide

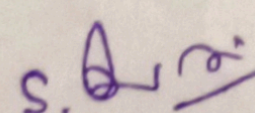
Signature with date

  
22/07/2022  
Jyothi Ranjan Panda  
External Guide

Signature with date

  
22/7/22  
Dr. G. Sasikala  
Academic Vertical Head-BSc (H)

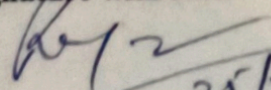
Signature with Date

  
Dr. S. Senthil

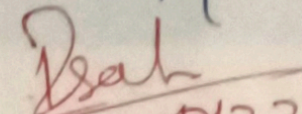
**DIRECTOR**  
Professor and Director  
School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 064

Name of the Examiner with Affiliation Signature with Date

1. Dr. A. K. Kulkarni

  
25/7/22

2. Priyadarshini Sahu

  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

Managing AWS infrastructure as a code using Ansible  
Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data

Submitted by

Sandhyavathi G

R19BS044

Under the guidance of

Vijayalaxmi P Chiniwar  
Internal Guide

Anil Bidari  
External Guide

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
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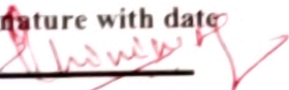
**REVA**  
UNIVERSITY  
Bengaluru, India

## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled – **Managing AWS infrastructure as a code using Ansible**, is being carried out under our guidance by **Sandhyavathi G, R19BS044**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.


Signature with date

  
Vijayalaxmi P  
chiniwar  
Internal Guide

Signature with date

  
Anil Bidari  
External Guide

Signature with date

  
Dr. G. Sasikala  
Academic Vertical Head-BSc (H)



Signature with Date

  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

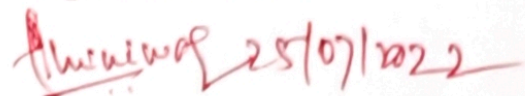
Dr. S. Senthil


Professor and Director

Name of the Examiner with Affiliation

1.   
V. P. Chiniwar
2.   
SHRIKRISHNA THAMBÉ

Signature with Date

  
25/07/2022

  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**DRIVER DROWSINESS DETECTION**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Hons.) with specialization in  
Cloud Computing and Big Data

Submitted by

**SATYAM JHAWAR**

**R19BS046**

Under the guidance of

Prof. Vinay G  
Internal Guide

Urvesh Wagh  
External Guide

25<sup>th</sup> July 2022

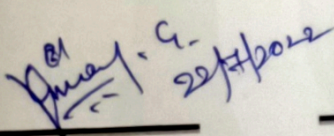
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru - 560064  
[www.reva.edu.in](http://www.reva.edu.in)

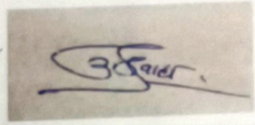


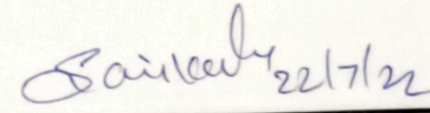
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **DRIVER DROWSINESS DETECTION** is being carried out under our guidance by **Satyam Jhavar, R19BS046**, a bonafide student at REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Hons.) with specialization in Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
\_\_\_\_\_  
**Prof. Vinay G**  
**Internal Guide**

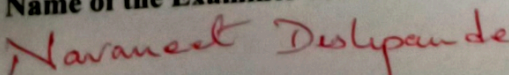
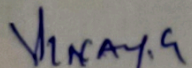
  
\_\_\_\_\_  
**Urvesh Wagh**  
**External Guide**

  
\_\_\_\_\_  
**Dr. G. Sasikala**  
**Academic Vertical Head-BSc (H)**

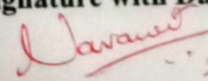
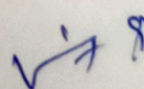
\_\_\_\_\_  
**Dr. S. Senthil**  
**Professor and Director**

  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

**Name of the Examiner with Affiliation**

1. 
2. 

**Signature with Date**

 25/7/22  






## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Classification of Iris flower**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**SHREYA SAVANUR**

**R19BS048**

Under the guidance of

Prof. Abhay Kumar Srivastava  
Internal Guide

Mr. Pradeep  
External Guide

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**REVA**  
UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled -Classification of Iris flower, is being carried out under our guidance by **Shreya Savanur, R19BS048**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honors) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

*Prof. Abhay Kumar Srivastav*  
25/7/22  
**Prof. Abhay  
Kumar  
Srivastav  
Internal Guide**

Signature with date

*Mr. Pradeep*  
22/07/22

**Mr. Pradeep  
External Guide**

*Sainath*  
25/7/22  
Signature with date

**Dr. G. Sasikala  
Academic Vertical Head-BSc (R)**

Signature with Date

*Dr. S. Senthil*  
**Dr. S. Senthil  
Professor and Director**

*S. Senthil*  
**DIRECTOR**

**School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 064.**

Name of the Examiner with Affiliation

Signature with Date

1. *Abhay Srivastav*
2. *Shrikishna Tambe*

*Dr. S. Senthil*

*Dr. S. Senthil*  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**PARABLU BACKUP**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Hons) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**TAARUN JP**

**R19BS051**

Under the guidance of

**Prof. ARYAMOL VK**  
Internal Guide

**Mr. VIJAY KUMAR M**  
External Guide

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **Parablu Backup**, is being carried out under our guidance by **Taarun JP, R19BS051**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Hons) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

Prof. Aryamol Vk  
Internal Guide

Signature with date

Mr. Vijay Kumar M  
External Guide

Signature with date

Dr.G.Sasikala  
Academic Vertical Head-BSc (R)

Signature with Date

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 064.  
Professor and Director

Name of the Examiner with Affiliation

1. Navaneet Deshpande
- 2.

Signature with Date

Navaneet  
25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Real-Time Lane Detection for Autonomous Driving**

**Submitted in Partial fulfillment of the requirements for the award of the Degree of**

**Bachelor of Science (Hons) in Computer Science -**

**Cloud Computing and Big Data**

**Submitted by**

**U HEMANTH KUMAR**

**R19BS052**

**Under the guidance of**

**Internal Guide**  
**Prof. ARYAMOL VK**

**External Guide**  
**Mr. OMKAR**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**REVA**  
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Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

Certified that the project work entitled **Real-Time Lane Detection for Autonomous Driving** carried out under our guidance by **U HEMANTH KUMAR, R19BS052**, a bonafide student of REVA University during the academic year 2020-21, is submitting the project report in partial fulfillment for the award of **Bachelor of Science (Hons) in Computer Science –Cloud Computing and Big Data Applications** during the academic year **2021–22**. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature with date

**Prof. ARYAMOL VK**  
Internal Guide

Signature with date

**Mr. OMKAR**  
External Guide

Signature with date

**Dr.G.Sasikala**  
Academic Vertical Head-BSc (R)

Signature with date

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

**Dr. S. Senthil**  
Director

**Name of the Examiner with affiliation**

*Navaneet Deshpande*

**Signature with Date**

*Navaneet*  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Movie recommendation using machine learning**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Vadde Akhila**

**R19BS053**

Under the guidance of

**PROF.P. SREE LAKSHMI**  
Internal Guide

**MR. PRADEEP**  
External Guide

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - **MOVIE RECOMMENDATION USING MACHINE LEARNING**, is being carried out under our guidance by **VADDE AKHILA, R19BS053**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (HONORS) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*P. Sreelakshmi*  
Signature with date 22/7/22

**Prof .P. Sree Lakshmi**  
**Internal Guide**

*Mr Pradeep*  
Signature with date  
21/07/2022

**Mr.Pradeep**  
**External Guide**

*Sasikala*  
Signature with date  
22/7/22

**Dr.G.Sasikala**  
**Academic Vertical Head-BSc (R)**

Signature with Date

*S. Srinivas*

**DIRECTOR**

**Dr. S. Srinivas**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bengaluru - 560 064.**

**Name of the Examiner with Affiliation**

**Signature with Date**

1. **SHRIKRISHNA TAMBE**

*Shrikrishna Tambe*  
25/7/22

2. **P SREE LAKSHMI (ASST PROF)**  
**REVA** 2

*P Sreelakshmi*  
25/7/22





**REVA**  
UNIVERSITY

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

### **Deploying a secure web application on AWS**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Honors) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**NAMRATHA J**

R19BS057

Under the able guidance of

**Dr. S Senthil**

*Professor & Director*

*School of CSA*

*REVA University*

*(Internal Guide)*

**Mr. Anil Bidari**

*CEO*

*Cloud Enabled*

*(External Guide)*

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064

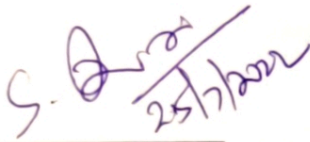
[www.reva.edu.in](http://www.reva.edu.in)



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled “**Deploying a secure web application on AWS**”, is being carried out under our guidance by **Namratha J, R19BS057**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Honours) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

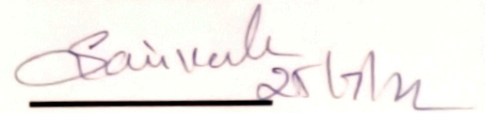


**Dr S Senthil**  
**Internal Guide**

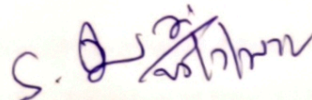


**21-07-2022**

**Mr. Anil Bidari**  
**External Guide**



**Dr.G.Sasikala**  
**Academic Vertical Head-BSc (H)**

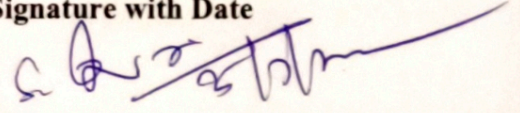


**DIRECTOR**  
**Dr. S. Senthil**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Professor and Director**  
**Bangalore - 560 064.**

**Name of the Examiner with Affiliation**

1. **Dr S-SENTHIL**
2. **Prayadarshi Sahu**

**Signature with Date**



**Dr. S. Senthil**  
**25/7/22**



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**USING AWS LAMBDA FUNCTION FOR S3-BUCKET OBJECTS  
CROSS REGION REPLICATION AND SEGREGATION**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**JaneethReddy Alle**

**R18BS003**

Under the guidance of

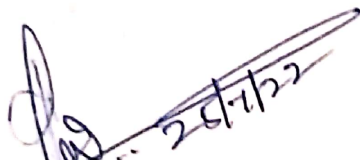
**Prof. Ravi Dandu  
Internal Guide**

**July 2022**

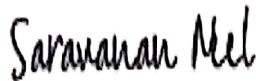
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
[www.reva.edu.in](http://www.reva.edu.in)

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - **Using AWS Lambda function for S3-Bucket Objects Cross Region Replication and Segregation**, is being carried out under our guidance by **JaneethReddy Alle, R18BS003**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the afore mentioned Degree.

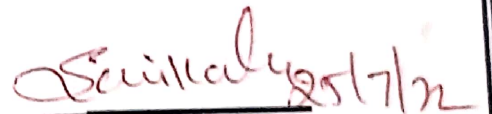


**Prof. Ravi Dandu**  
**Internal Guide**



23-07-2022

**Mr. Saravanan Neel**  
**External Guide**



**Dr. G. Sasikala**  
**Academic Vertical Head-BSc**



**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Dr. S. Senthil**

**Professor and Director**

**Name of the Examiner with Affiliation**

**Signature with Date**

1.

2.





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

**“THREE-TIER ARCHITECTURE USING ARM TEMPLATE  
IN AZURE”**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data

Submitted by

**A. Pavan Kumar Reddy**

**(R18BS007)**

Under the guidance of

**Prof. RAVI DANDU**

**Internal Guide**

**Sudheendra Rao K**

**External Guide**

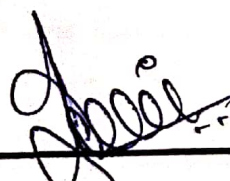
**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

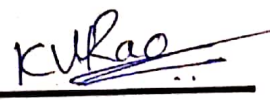


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

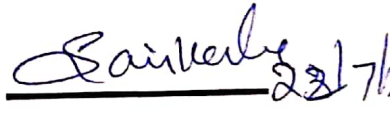
The project work titled - **THREE-TIER ARCHITECTURE USING ARM TEMPLATE IN AZURE**, is being carried out under our guidance by **A.Pavan KumarReddy, R18BS007**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science – Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



**Prof. Ravi Dandu**  
Internal Guide



**Sudheendra Rao K**  
External Guide



**Dr. G. Sasikala**  
Academic Vertical Head-BSc



**Dr. S. Senthil**  
Professor and Director

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli  
Bangalore - 560 034

**Name of the Examiner with Affiliation**

**Signature with Date**

- 1.
- 2.





**REVA**  
UNIVERSITY

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**PHISING DETECTION USING MACHINE LEARNING**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

D. Sathwikaa  
R18BS014

Under the guidance of

Prof. Vinay G  
Internal Guide

Mr. Nithin  
External Guide

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)



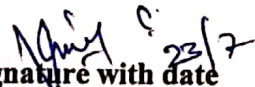


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Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

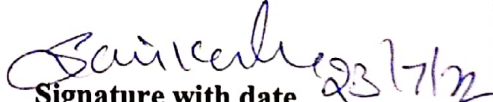
The project work titled – **PHISING DTECTION USING MACHINE LEARNING** , is being carried out under our guidance by **D.Sathwikaa, R18BS014**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the project work prescribed for the aforementioned Degree.

  
Signature with date 23/7

**Prof. Vinay G**  
Internal Guide

  
23-07-2022  
Signature with date

**Mr. Nithin**  
External Guide

  
Signature with date 23/7/22

**Dr.G.Sasikala**  
Academic Vertical Head-BSc

Signature with Date

**Dr. S. Senthil**  
Professor and Director


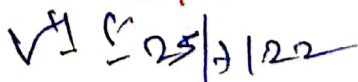
  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1. **Navaneet Deshpande**

2. **VINAY G**

Signature with Date

  
25/7/22  
  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Host a web application using Cloud Formation**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**HEMANTH YADAV G**

**R18BS019**

Under the guidance of

**Prof. Ravi Dandu**  
**Internal Guide**

**Ms. Bhavya Shivagangayya**  
**External Guide**

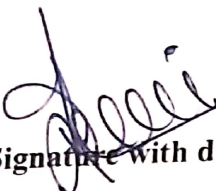
**July 2022**

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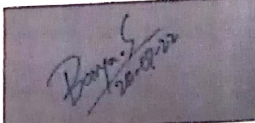


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - **Host a web application using Cloud Formation** is being carried out under our guidance by **Mr. Hemanth Yadav G (R18BS019)**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

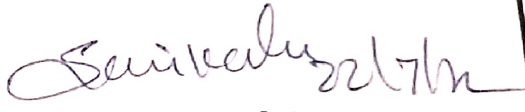
  
Signature with date

**Prof. Ravi Dandu**  
Internal Guide



Signature with date

**Ms. Bhavya Shivagangayya**  
External Guide

  
Signature with date

**Dr. G. Sasikala**  
Academic Vertical Head-BSc

Signature with Date

  
**DIRECTOR**

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**  
**Dr. S. Senthil**  
Professor and Director

Name of the Examiner with Affiliation

Signature with Date

1.

2.





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**“TESLA PRICE PREDICTION”**

**Submitted in Partial fulfillment of the requirements for the award of the Degree of**

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

**Submitted by**

**MARRIPUDI DASTAGIRI**

**R18BS032**

**Under the guidance of**

**Prof . Sree Lakshmi**

**Mr. Mohammad Yasin**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

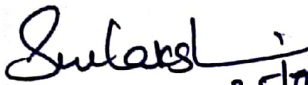


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Bengaluru, India

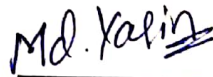
## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

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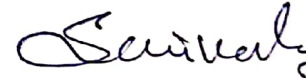
The project work titled – “TESLA PRICE PREDICTION”, is being carried out under our guidance by **MARRIPUDI DASTAGIRI, R18BS032**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
25/7/22

**Prof Sree Lakshmi**  
Assistant Professor



**Mohammad. Yasin**

  
25/7/22

**Dr.G.Sasikala**  
Academic Vertical Head-BSc


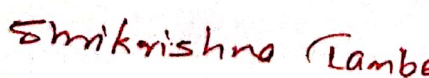
  
S DIRECTOR

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.


**Dr. S. Senthil**


**Professor and Director**

**Name of the Examiner with Affiliation**

1. 
2. 

**Signature with Date**

  
25/7/22

  
25/7/22





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**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**IOT Park**

**Submitted in Partial fulfillment of the requirements for the award of the Degree of**

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

**Submitted by**

**N.V. Pranav Naidu**

**R18BS033**

**Under the guidance of**

**Prof. Vinay G  
Internal Guide**

**Mr. Nithin  
External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
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Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – IOT Park, is being carried out under our guidance by N.V. Pranav Naidu, R18BS033, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Science (Research) in Computer Science – Cloud Computing and Big Data during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date

**Prof. Vinay G**  
**Internal Guide**

23-07-2022  
Signature with date

**Mr. Nithin**  
**External Guide**

Signature with date

**Dr. G. Sasikala**  
**Academic Vertical Head-BSc**

Signature with Date

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
**Professor and Director**

**Name of the Examiner with Affiliation**

1. **Naraneet Deshpande**
2. **VINAY G**

**Signature with Date**

**Naraneet**  
25/7/22  
N V G







**REVA**  
UNIVERSITY

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on  
**IMPLEMENTATION OF THREE TIER ARCHITECTURE  
USING AZURE**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**NAGALAPATI DISHIKA**  
**R18BS034**

Under the guidance of  
**P. SREE LAKSHMI**  
ASSISTANT PROFESSOR

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
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Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **IMPLEMENTATION OF THREE TIER ARCHITECTURE USING AZURE**, is being carried out under our guidance by **NAGALAPATI DISHIKA, R18BS034**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*P. Sree Lakshmi*  
Signature with date 20/7/22

**P. SREE LAKSHMI**  
ASSISTANT PROFESSOR  
Internal Guide

*Sasikala* 20/7/22  
Signature with date

**Dr. G. Sasikala**  
Academic Vertical Head-BSc

*S. Senthil*  
Signature with Date

**Dr. S. Senthil**  
**DIRECTOR**  
Professor and Director  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

Signature with Date

1. **SHRIKRISHNA TAMBE**
2. **P. SREE LAKSHMI (ASST PROF)**  
**REVA**

*S. Senthil* 25/7/22

*P. Sree Lakshmi*  
25/7/22





## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### A Project Report on Dockerizing Nodejs Application with MongoDB database and Server Duplicity

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data

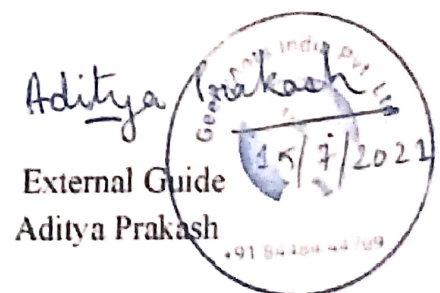
Submitted by

Nandani Sah

(R18BS035)

Under the guidance of

Internal Guide  
Prof. K Vijayalakshmi



External Guide  
Aditya Prakash

July 2022

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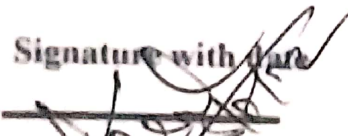


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled “**Dockerizing Nodejs Application with MongoDB Database and Server Duplicity**” is being carried out under our guidance by **Nandani Sah, R18BS035**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

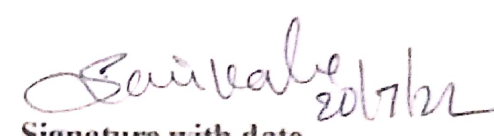
Signature with Date

  
Prof. A. Vijayalakshmi  
Internal Guide

Signature with date

  
Aditya Prakash  
External Guide

Signature with date

  
Dr. G. Sasikala  
Academic Vertical Head-BSc

Signature with Date

  
Dr. S. Senthil

Professor and Director

**DIRECTOR**

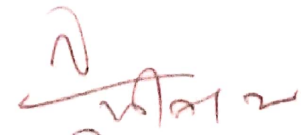
School of Computer Science & Applications

REVA University, Kattigenanalli,

Name of the Examiner with Affiliation Bangalore - 560 064.

Signature with Date

1. Kuyayalash
2. Prayadash Sah

  
Kuyayalash  
25/7/22





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UNIVERSITY

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**“ IMAGE RECOGNITION USING AWS”**

Submitted in Partial fulfillment of the requirements for the award of the Degree  
of

Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data

Submitted by

**Nishchitha K**

**R18BS037**

Under the guidance of

**Dr. Vijaylakshmi A Lepakshi**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064

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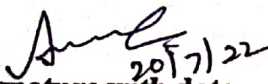


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Bengaluru, India

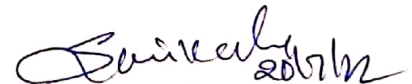
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – “Image recognition using AWS” , is being carried out under our guidance by Nishchitha.K, R18BS037, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with date

**Dr. Vijaylakshmi A Lepakshi**  
Internal Guide

  
Signature with date

**Dr. G. Sasikala**  
Academic Vertical Head-BSc

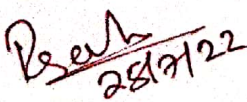
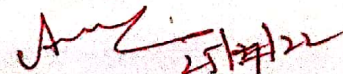
  
Signature with Date

**Dr. S. Senthil**

**Professor & Director**  
School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 064.

**Name of the Examiner with Affiliation**

**Signature with Date**

1.   
25/7/22
2.   
25/7/22



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**“ BUILDING AN AWS SERVERLESS WEBSITE WITH API  
GATEWAY, LAMBDA, AND S3 ”**

Submitted in Partial fulfillment of the requirements for the award of the Degree  
of

Bachelor of Science (Research) in Computer Science –  
Cloud Computing and Big Data

Submitted by

**PK HARI JASWANTH KRISHNA**

**R18BS038**

Under the guidance of  
Prof . Vidya.S

July 2022

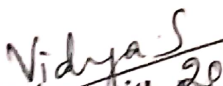
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064

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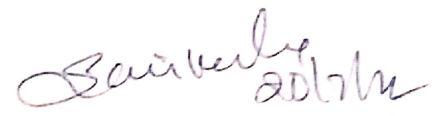
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – “BUILDING AN AWS SERVERLESS WEBSITE WITH API GATEWAY, LAMBDA, and S3” , is being carried out under our guidance by HARI JASWANTH KRISHNA PK, R18BS038, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with date 20/7/22

**PROF. VIDYA S**  
Internal Guide

  
Signature with date 20/7/22

**Dr. G. Sasikala**  
Academic Vertical Head-BSc

  
Signature with Date


**Dr. S. Senthil**


**Professor and Director**  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kathagenanali,  
Bangalore - 560 064.

**Name of the Examiner with Affiliation**

1. VIDYA S
2. SHRIKRISHNA TAMBE

**Signature with Date**

  
25/7/22

  
25/7/22





# SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

A Project Report  
On

## CRYPTOCURRENCY INVESTMENT USING FLUTTER APPLICATION

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data

Submitted by

Rehaan R

R18BS043

Under the guidance of

Prof.. Shreetha Bhat  
Internal Guide

Mr. Ramu Pal  
External Guide

July 2022

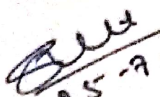
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**CERTIFICATE**

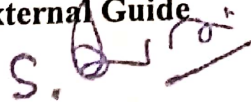
The project work titled **CRYPTOCURRENCY INVESTMENT USING FLUTTER APPLICATION**, is being carried out under our guidance by **Rehaan R, R18BS043**, a bonafide student at REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the Degree.

  
25-7-2022  
**Signature with date**

**Prof.. Shreetha Bhat**  
**Internal Guide**


  
24/07/22  
**Signature with date**

**Mr. Ramu Pal**  
**External Guide**



**DIRECTOR**  
**School of Computer Science & Applications**  
**Signature with Date**  
**Bangalore - 560 064.**

**Dr. S. Senthil**  
**Professor and Director**

  
25/7/22  
**Signature with date**

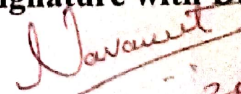
**Dr. G. Sasikala**  
**Academic Vertical Head-BSc**

**Name of the Examiner with Affiliation**

1. **Navaneet Deshpande**

2.

**Signature with Date**

  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on  
Deployment of High Availability Applications on Amazon Web  
Services**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Saakshi Suresh**

**R18BS045**

Under the guidance of

**Prof. Vidya.S**  
**Internal Guide**

**Pranav Manamohan**  
**External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**UNIVERSITY**  
Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

### **CERTIFICATE**

The project work titled - **Deployment of High Availability Applications on Amazon Web Services**, is being carried out under our guidance by **Saakshi Suresh, R18BS045**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*Vidya S*  
18/7/22

Signature with date

**Prof. Vidya. S**  
**Internal Guide**

*Pranav M*

Signature with date

**Pranav Manamohan**  
**External Guide**

*G. D. Senthil*  
18/7/22

Signature with Date

*Sasikala*  
18/7/22

Signature with date

**Dr.G. Sasikala**  
**Academic Vertical Head-BSc**

**Dr. S. Senthil**

**DIRECTOR**

**School of Computer Science & Applications**  
**Professor and Head of School, Kattigenahalli,**  
**Bangalore - 560 064.**

**Name of the Examiner with Affiliation**

**Signature with Date**

1. **VIDYA S**

*Vidya S*  
25/7/22

2. **SHRIKRISHNA TAMBE**

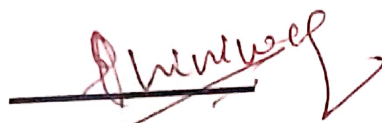
*Shrikrishna*  
25/7/22

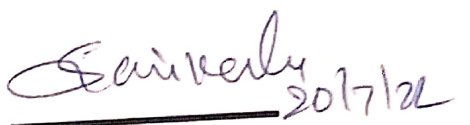





**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - **Integrating Web Application on AWS using EC2, Route 53, and RDS**, is being carried out under our guidance by **SAI KALYANI Y, R18BS046**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

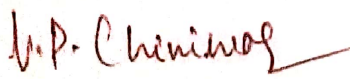
  
**Prof. Vijaya Laxmi.P. Chiniwar**  
Internal Guide

  
**Dr. G. Sasikala**  
Academic Vertical Head-BSc

  
**Dr. S. Senthil**

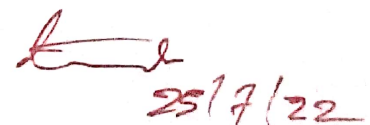
**Professor and Director**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Name of the Examiner with Affiliation**

1. 
2. **SHRIKRISHNA TAMBE**

**Signature with Date**

 25/07/2022

 25/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**"Integrating Web Application on AWS using EC2, Route 53, and  
RDS"**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science  
Cloud Computing and Big Data**

Submitted by

**SAI KALYANI Y**  
**(R18BS046)**

Under the guidance of

**PROF. VIJAYA LAXMI.P. CHINIWAR**

July, 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064

[www.reva.edu.in](http://www.reva.edu.in)



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on  
**“MIGRATION OF ERP SYSTEM TO ORACLE CLOUD  
INFRASTRUCTURE”**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data

Submitted by

**SANTHOSH KUMAR YADAV**  
**(R18BS048)**

Under the guidance of

**Prof. VIJAYALAXMI.P.CHINIWAR**  
Internal Guide

**Mr. DINESH**  
External Guide

July 2022

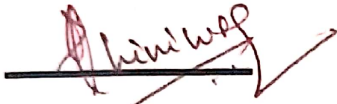
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - **Migration of ERP System to Oracle Cloud Infrastructure**, is being carried out under our guidance by **SANTHOSH KUMAR YADAV, R18BS048**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with date



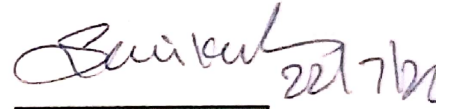
**Prof. Vijaya laxmi.P. Chiniwar**  
Internal Guide

Signature with date



**Mr. Dinesh**  
External Guide

Signature with date



**Dr. G. Sasikala**  
Academic Vertical Head-BSc




Signature with Date **DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

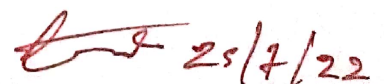
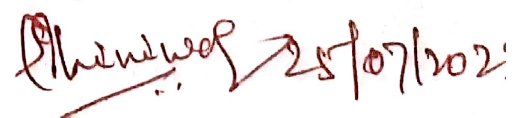
**Dr. S. Senthil**

**Professor and Director**

**Name of the Examiner with Affiliation**

1. 
2. **SHRIKESHNA TAMBE**

**Signature with Date**







## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Using Helm Charts to launch Web App in Kubernetes**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**T. Abdul Kareem  
R18BS056**

Under the guidance of

**Prof Vidya S  
Internal Guide**

**Mr. Nithin  
External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**





## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS CERTIFICATE

The project work titled **Using Helm Charts to launch Web App in Kubernetes**, is being carried out under our guidance by **T. Abdul Kareem, R18BS056**, a bonafide student at REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*Vidya S*  
Signature with date  
25/7/22

**Prof .Vidya S**  
**Internal Guide**

*[Signature]*  
23-07-2022  
Signature with date

**MR.Nithin**  
**External Guide**

*[Signature]* 25/7/22  
Signature with date

**Dr.G.Sasikala**  
**Academic Vertical Head-BSc**

Signature with Date

**Dr. S. Senthil**  
**Professor and Director**

*[Signature]*

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Bengaluru, India  
Bengaluru - 560 084.

**Name of the Examiner with Affiliation**

**Signature with Date**

1. VIDYA - S
2. SHRIKRISHNA TAMBE

*Vidya S*  
25/7/22

*[Signature]*  
25/7/22





# **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Eyeglass Detection using Convolutional Neural Network**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Udhaya R  
(R18BS057)**

Under the guidance of

**PROF. VIJAYA LAXMI P. CHINIWAR**  
Internal Guide

**MR. SUDHEENDRA ROA**  
External Guide

**July 2022**

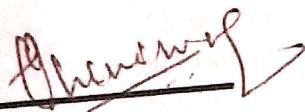
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**


**[www.reva.edu.in](http://www.reva.edu.in)**

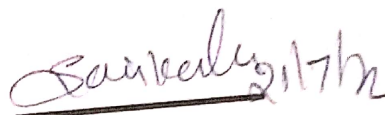


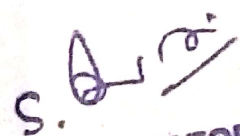
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled – EYEGLOSS DETECTION USING CONVOLUTIONAL NEURAL NETWORKS, is being carried out under our guidance by Udhaya R, R18BS057, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
**Prof. Vijayalaxmi P. Chiniwar**  
Internal Guide

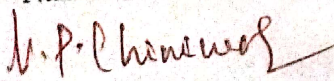
  
20th July 2022  
**Mr. Sudheendra Rao**  
External Guide

  
**Dr. G. Sasikala**  
Academic Vertical Head-BSc

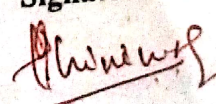
  
**Dr. S. Senthil**  
Professor and Director


**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1.  V.P. Chiniwar
2. SHRIKRISHNA TAMBE

Signature with Date

 25/07/2022

  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on  
Crop Suggestion Application using Machine Learning [CROP-IT]**

Submitted in Partial fulfillment of the requirements for the award of the Degree of

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

Submitted by

**Vignesh Tallam**

**R18BS060**

Under the guidance of

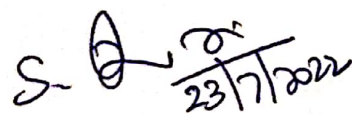
**Dr. S. SENTHIL**  
Professor and Director  
School of CSA  
REVA University  
(Internal Guide)

**Mr. NITHIN. N. SRIVATSAV**  
Senior Data Scientist  
Technical Department  
Datair 'Ambee' Company  
(External Guide)

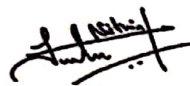
**July 2022**  
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled "Crop Suggestion Application using Machine Learning [CROP-IT]" is being carried out under our guidance by Vignesh Tallam (R18BS060), a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Science (Research) in Computer Science – Cloud Computing and Big Data during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

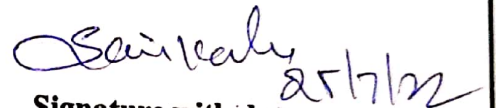
  
Signature with date

**Dr. S Senthil**  
**Internal Guide**



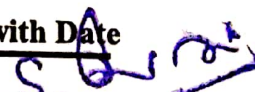
Signature with date

**Mr. Nithin. N. Srivatsav**  
**External Guide**

  
Signature with date

**Dr. G Sasikala**  
**Academic Vertical Head-BSc**

Signature with Date

  
Dr. S Senthil


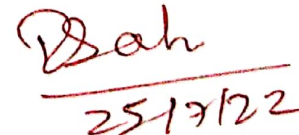
**DIRECTOR**

**School of Computer Science & Applications**  
**Professor and Director**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Name of the Examiner with Affiliation**

1. Dr. S. Senthil
2. Puyalakshmi Salu

Signature with Date

  
  
25/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**“Online Event Attendance System”**

**Submitted in Partial fulfillment of the requirements for the award of the Degree of**

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

**Submitted by**

**MUPPALA VINEESHAVARMA**

**R18BS061**

**Under the guidance of**

**Dr. Ambili P S  
Internal Guide**

**Mr. Sudheendra Rao  
External Guide**

**July 2022**

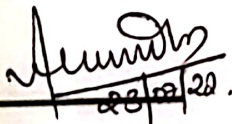
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**



**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - "Online Event Attendance System", is being carried out under our guidance by Muppala Vineesha Varma, R18BS061, a bonafide student of REVA University, and submitting the project report in partial fulfillment, for the award of Bachelor of Science (Research) in Computer Science –Cloud Computing and Big Data during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

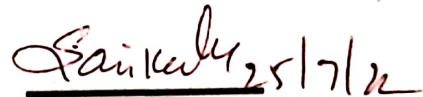


**Dr. Ambili P S**  
**Internal Guide**



20th July 2022

**Mr. Sudheendra Rao**  
**External Guide**



**Dr. G. Sasikala**  
**Academic Vertical Head-BSc**

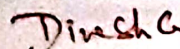
Signature with Date

  
**DIRECTOR**


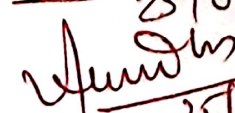
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Professor and Director**

**Name of the Examiner with Affiliation**

  
**Dr. Ambili P. S.**

**Signature with Date**

 25/07/22  
 25/07/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Flutter Ecommerce App**

**Submitted in Partial fulfillment of the requirements for the award of the Degree of**

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

**Submitted by**

**Roger Zoremthanga**

**R18BS062**

**Under the guidance of**

**Dr. G.Kadiravan**

**Assistant Professor**

**School of Computer Science and Applications**

**Internal Guide**

**Farheen Farhath**

**Co-Founder (Human Resources)**

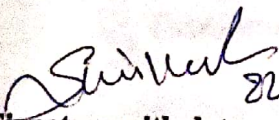
**External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

The project work titled - Flutter Ecommerce App, is being carried out under our guidance by Roger Zoremthanga, R18BS062, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Bachelor of Science (Research) in Computer Science – Cloud Computing and Big Data during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with date 22/7/22

**Dr. G. Kadiravan**  
Internal Guide


  
Signature with date 21/07/2022

**Farheen Farhath**  
External Guide

  
Signature with date 22/7/22

**Dr. G. Sasikala**  
Academic Vertical Head-BSc

Signature with Date


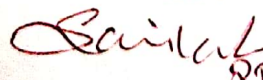
  
**Dr. S. Senthil**  
Professor and Director

  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1. DINESH. G
2. DR. G. SASIKALA

Signature with Date

  
25/07/22  
  
25/7/22





**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Automatic License Number Plate Detection**

*Submitted in Partial fulfillment of the requirements for the award of the Degree of*

**Bachelor of Science (Research) in Computer Science -  
Cloud Computing and Big Data**

**Submitted by**

**Rohan v**

**R19BS036**

**Under the guidance of**

**Dr Hemanth. K.S  
Internal Guide**

**Prof. Pradeep Kumar  
External Guide**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**CERTIFICATE**

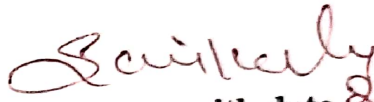
The project work titled – Automatic License Number Plate Detection , is being carried out under our guidance by Rohan V, R19BS036, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Bachelor of Science (Hons) in Computer Science –Cloud Computing and Big Data** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with date 25/01/22

**Dr. Hemanth K.S**  
Internal Guide

Signature with date

**Prof. Pradeep Kumar**  
External Guide

  
Signature with date 25/7/22

**Dr. G. Sasikala**  
Academic Vertical Head-BSc (R)

  
Signature with Date

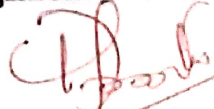
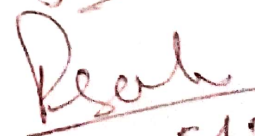
**DIRECTOR**  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Dr. S. Senthil Bangalore - 560 064.**

**Professor and Director**

**Name of the Examiner with Affiliation**

1. **Dr. Hemanth K.S**
2. **Prayadaashi Sahu**

**Signature with Date**

  
25/09/22  
  
25/9/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**Handwritten Text Recognition**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**Akshay Singh Jaswal**

**(R19CA603)**

under the guidance of

Internal Guide

**Prof. Deepa B G**

External Guide

**Ms. Susmita Adhyapak**

July 2022

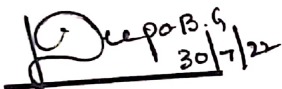
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

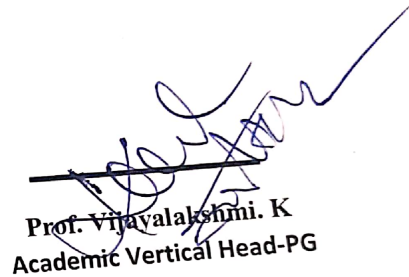
The project work titled -**Handwritten Text Recognition**, is being carried out under our guidance by **Akshay Singh Jaswal, R19CA603**, a bonafede student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the mentioned Degree.

  
30/7/22

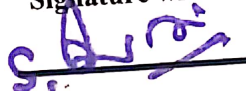
Prof. Deepa B G  
Internal Guide

  
29/07/22

Ms. Susmita Adhyapak  
External Guide

  
Prof. Vijayalakshmi. K  
Academic Vertical Head-PG

Signature with Date



Dr. S. Senthil

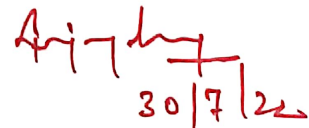
Professor and Director

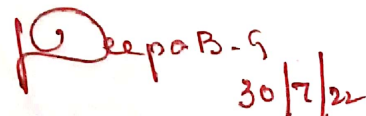
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

Name of the Examiner with Affiliation

1. Dr. N. Vijaya Lathi, MCA Dept,  
Mount Carmel
2. DEEPA B. G, REVA University

Signature with Date

  
30/7/22

  
30/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Big Marts Sales Prediction using Machine Learning**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Computer Applications**

**Submitted by**

**ANJALI KUMARI**

**R19CA606**

**under the guidance of**

**Internal Guide  
Dr. SASIKALA G**

**External Guide  
Mr. MOHAMMED ILYAS**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

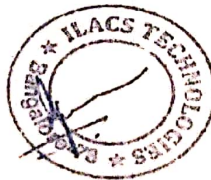


**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **BIG MARTS SALES PREDICTION USING MACHINE LEARNING**, is being carried out under our guidance by **ANJALI KUMARI, R19CA606**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



*Sasikala G*  
29/7/22

Dr. Sasikala G  
Internal Guide

Mr. Mohammed Ilyas  
External Guide

*Vijayalakshmi .K*  
Prof. Vijayalakshmi .K  
Academic Vertical Head-PG

*S. Senthil*  
**S. DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bengaluru - 560 064.

Signature with Date

Dr. S. Senthil  
Professor and Director

Name of the Examiner with Affiliation

1 *Dr. N. Vijaya Lakshmi, MCA Dept,*  
*Mouni Canal*

2.

*SHREETHA BHAT*  
*SCHOOL OF CSA, RU.*

Signature with Date

*Vijayalakshmi .K*  
30/7/22

*Su*  
30-7-2022.





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
On  
Detecting Fake Accounts on Social Media**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**ARPITHA B NADIGER**

R19CA609

under the guidance of

Internal Guide

**Dr. Vijayalakshmi A Lepakshi**

External Guide

**Mr. Sunil Kumar N**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064

[www.reva.edu.in](http://www.reva.edu.in)

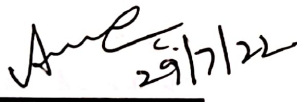


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **Detecting Fake Account on Social Media** is being carried out under our guidance by **Ms. ARPITHA B NADIGER, R19CA609**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year 2021–22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

**Signature with Date**

  
29/7/22

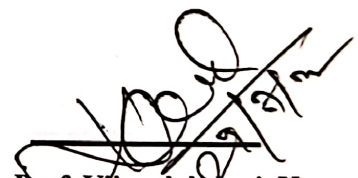
**Dr. Vijayalakshmi  
A Lepakshi  
Internal Guide**

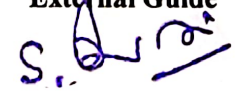
**Signature with Date**

  
28-07-2022

**Sunil Kumar N  
External Guide**

**Signature with Date**

  
29/7/22  
**Prof. Vijayalakshmi. K  
Academic Vertical Head-PG**

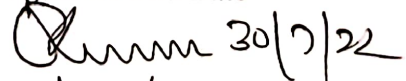
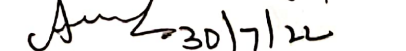
  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

**Dr. S. Senthil  
Professor and Director**

**Name of the Examiner with Affiliation**

1. **Dr. Kumar R**
2. **Dr. Vijayalakshmi A-Lepakshi**

**Signature with Date**

  
30/7/22  
  
30/7/22





## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
On**

### **Plant Seedlings Classification Using Ensemble Learning Techniques**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by  
**Bhagyashree S Patil**  
R19CA614

under the guidance of

**Dr Ambili P S**

  
**Venkatesh S**

**July 2022**

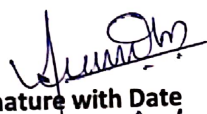
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**www.reva.edu.in**



SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

**CERTIFICATE**

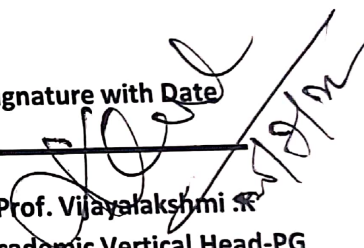
The project work titled **Plant Seedlings Classification Using Ensemble Learning Techniques**, is being carried out under our guidance by **Bhagyashree Patil , R19CA614**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date  
30/7/2022

Dr Ambili P S  
Internal Guide

  
Signature with Date

Venkatesh S  
External Guide

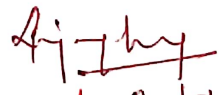
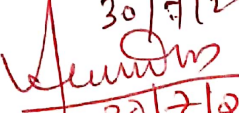
  
Signature with Date  
Prof. Vijayalakshmi R  
Academic Vertical Head-PG

  
Signature with Date  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
Dr. S. Senthil  
Professor and Director

**Name of the Examiner with Affiliation**

1. Dr. N. Vijaya Lakshmi, MCA Dept  
Moult Cannel
2. Dr. Ambili P.S.

**Signature with Date**

  
30/7/22  
  
30/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**ENGINE COOLING IN AUTOMOBILES**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Computer Applications**

**Submitted by**

**DURGA SWETHA BHAVANASI**

**R19CA617**

**under the guidance of**

**Internal Guide**

**DEEPA B.G**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS****CERTIFICATE**

The project work titled Engine cooling in Automobiles, is being carried out under our guidance by **B. Durga Swetha, R19CA617**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Prof. Deepa B.G  
Internal Guide

K.P. LIGIN  
External Guide

Prof. Vijayalakshmi R.  
Academic Vertical Head-PG

Signature with Date  
**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bengaluru 560 064.  
Professor and Director

**Name of the Examiner with Affiliation**

1. Dr. N. Vijayalakshmi, MCA Dept.  
Moult Channel
2. DEEPA. B.G , REVA University  
School of CSA, REVA University, Bengaluru

**Signature with Date**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND  
APPLICATIONS**

A Project Report  
on

**LOAN ELIGIBILITY PREDICTION USING ENSEMBLE  
TECHNIQUES**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**Brunda T P**

**R19CA619**

under the guidance of

**Dr. Ambili P S**

**Venkatesh S**

**July 2022**

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)



**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **-Loan Eligibility Prediction Using Ensemble Techniques**, is being carried out under our guidance by **Brunda T P, R19CA619** a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

**Dr. Ambili P S**  
Internal Guide

**Venkatesh S**  
External Guide

**Prof. Vijayalakshmi .K**  
Academic Vertical  
Head-PG

  
**DIRECTOR**

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Dr. S. Senthil**  
Professor and Director

**Name of the Examiner with Affiliation**

1. **Dr. N. Vijayalakshmi**, MCA Dept.,  
Mount Carmel
2. **Dr. Ambili P.S.**

**Signature with Date**

  
30/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

**Calorie Burn Prediction Analysis using Machine Learning Techniques**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**CHINNAMMA K K**

**R19CA620**

under the guidance of

Internal Guide  
**Dr. Ambili P S**

External Guide  
**Mr. Venkatesh**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**




**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

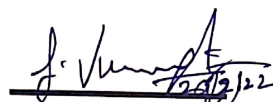
**CERTIFICATE**

The project work titled - **Calorie Burn Prediction Analysis using Machine Learning Techniques**, is being carried out under our guidance by **CHINNAMMA K K , R19CA620**, a bona fide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the afore mentioned Degree.


**Signature with Date**

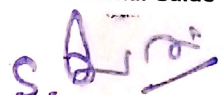
  
Dr. Ambili P S  
Internal Guide

**Signature with Date**

  
Mr. Venkatesh  
External Guide

**Signature with Date**

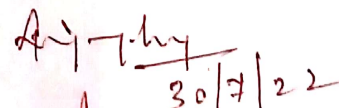
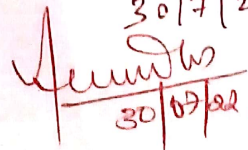
  
Prof. Vijayalakshmi .K  
Academic Vertical Head-PG

  
**DIRECTOR**  
Signature with Date  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
Dr. S. Senthil  
Professor and Director

**Name of the Examiner with Affiliation**

1. Dr. N. Vijayalakshmi, MCA Dept  
Mount Carmel
2. Dr. Ambili P.S, School of CSA

**Signature with Date**

  
30/7/22  
  
30/07/22.





**REVA**  
UNIVERSITY

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

On

**Fingerprint Spoofing Detection Using Machine Learning**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**HARSHITHA K**

(R19CA626)

under the guidance of

Internal Guide  
Prof. Shreetha bhat

External Guide  
Sunil Kumar N

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)

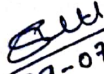


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **Fingerprint Spoofing Detection Using Machine Learning** is being carried out under our guidance by **Ms. Harshitha K, R19CA626**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

  
29-07-2022

**Prof. Shreetha Bhat**  
Internal Guide

Signature with Date

  
  
28-07-2022

**Sunil Kumar N**  
External Guide

Signature with Date

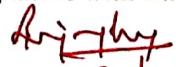
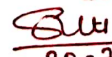
  
**Prof. Vijayalakshmi. K**  
Academic Vertical Head-PG

  
**DIRECTOR**  
Signature with Date  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
**Dr. S. Senthil**  
Professor and Director

Name of the Examiner with Affiliation

1. **Dr. N. Vijayalakshmi, MCA Dept,**  
**Mount Carmel**
2. **SHREETHA BHAT**

Signature with Date

  
30/7/22  
  
30-7-2022.



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**Social media sentiment analysis using twitter data set**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**HEMALATHA HS**

**R19CA627**

under the guidance of

Internal Guide

**Dr. VIJAYALAKSHMI A LEPAKSHI**

External Guide

**Prof. PRADEEP KUMAR K**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**

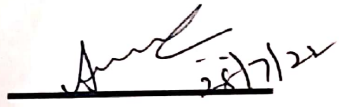
[www.reva.edu.in](http://www.reva.edu.in)

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

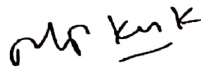
The project work titled - Social media sentiment analysis using twitter dataset, is being carried out under our guidance by **HEMALATHA HS, R19CA627**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

**Signature with Date**

  
28/7/22

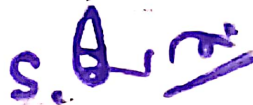
**Vijayalakshmi A Lepakshi**  
Internal Guide

**Signature with Date**



28-07-2022

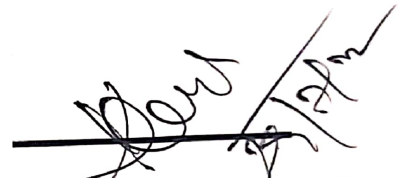
**Prof. Pradeep Kumar K**  
External Guide



**DIRECTOR**  
Signature with Date  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bengaluru - 560 064.

**Dr. S. Senthil**  
Professor and Director

**Signature with Date**

  
28/7/22

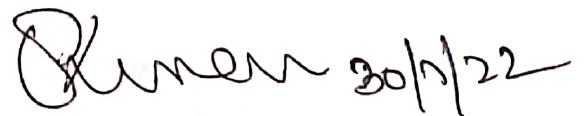
**Prof. Vijayalakshmi. K**  
Academic Vertical Head-PG

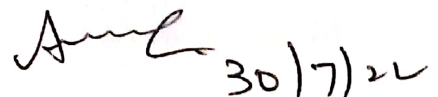
**Name of the Examiner with Affiliation**

Dr. Vikram R. KSC

Dr. Vijayalakshmi A. Lepakshi

**Signature with Date**

  
30/7/22

  
30/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

# **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

## **A Project Report on Ware House Management Application in Salesforce**

Submitted in partial fulfillment of the requirements for the award of the Degree of

### **Master of Computer Applications**

Submitted by

Kosuri Anusha

R19CA634

under the guidance of

Internal Guide  
Dr. Vijayalakshmi A Lepakshi

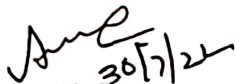
July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

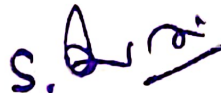
**CERTIFICATE**

The project work titled - **Ware House Management Application**, is being carried out under our guidance of **Kosuri Anusha, R19CA634**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the project Work prescribed for the aforementioned Degree.

  
Signature with Date

**Vijayalakshmi Lepakshi**  
Associate Professor  
Internal Guide

  
Signature with Date  
**Prof. Vijayalakshmi .K**  
Academic Vertical Head-PG



**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore-560064

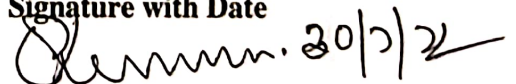
**Dr. S. Senthil**  
External Examiner  
Professor and Director

**Name of the Examiner with Affiliation**

**Dr. Kemer R. KSC**

**Dr. Vijayalakshmi A-Lepakshi**

**Signature with Date**

 30/7/22

 30/7/22





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Network Intrusion Detection and Countermeasures Election in Virtual  
Network Systems**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Computer Applications**

**Submitted by**

**Ravi Kumar Singh**

**R19CA655**

**under the guidance of**

**Internal Guide**

**Dr.G. Sasikala**

**External Guide**

**Mr. Harish S**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**

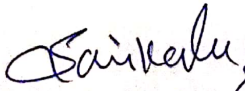
**[www.reva.edu.in](http://www.reva.edu.in)**



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

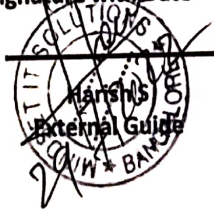
**CERTIFICATE**

The project work titled **Network Intrusion Detection and Countermeasure Election in Virtual Network Systems** is being carried out under our guidance by **Ravi Kumar Singh, R19CA655**, a bonafide student at REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date 29/7/22

Dr. G. Sasikala  
Internal Guide

Signature with Date

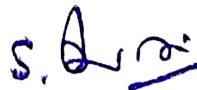


Signature with Date

Prof. Vijayalakshmi. K  
Academic Vertical Head-PG

Signature with Date

Dr. S. Senthil  
Professor and Director



**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

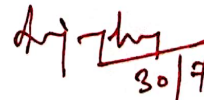
**Name of the Examiner with Affiliation**


1. Dr. N. Vijayalakshmi, MCA Dept.  
Mouni Cannel

2.

SHREETHA BHAT,  
SCHOOL OF CPA, RV

**Signature with Date**

  
30/7/22

  
30-7-2022





**REVA**  
**UNIVERSITY**

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Website Design for Medical Patient Appointment Management System**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Computer Applications**

**Submitted by**

**SALEM SALEH SALEM BA HASHWAN**

**R19CA658**

**under the guidance of**

**Internal Guide: Dr. Anand R**

**External Guide: Ms. Kasthuri K**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**





**REVA**  
UNIVERSITY  
Bengaluru, India


**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

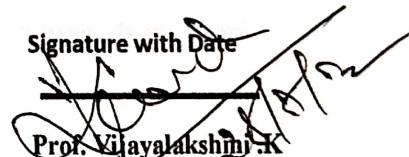
**CERTIFICATE**

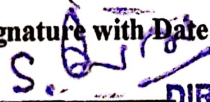
The project work titled - **Website Design for Medical Patient Appointment Management System**, is being carried out under our guidance by **SALEM SALEH SALEM BA HASHWAN, R19CA658**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date  28/7/22

**Dr. Anand R**  
Internal Guide

Signature with Date  28/7/22  
Ms. Kasthuri  
External Guide

Signature with Date  28/7/22  
Prof. Vijayalakshmi K  
Academic Vertical Head-PG

Signature with Date  28/7/22

**DIRECTOR**  
School of Computer Science & Applications  
Dr. S. Senthil  
REVA University, Kattigenahalli,  
Professor and Director Bangalore - 560 064.

**Name of the Examiner with Affiliation**

1. **ANAND R**
2. **DR ASHOKA S.B.**

**Signature with Date**

 28/7/22

 28/7/22





**REVA**  
UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Movie Recommendation System**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**SALMAN SHARIFF**

**R19CA659**

under the guidance of

Internal Guide  
Dr.N.Thrimoorthy  
Assistant Professor  
School of CSA  
REVA University

External Guide  
Pradeep Kumar K  
Team Lead

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)



## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled – **Movie recommendation system**, is being carried out under our guidance by **Salman Shariff, R19CA659**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

**Dr.N.Thrimoorthy**  
Internal Guide

Signature with Date

**Pradeep Kumar N**  
External Guide

Signature with Date

**Prof. Vijayalakshmi J.K**  
Academic Vertical Head-PG

Signature with Date

**Dr. S. Senthil**  
Professor and Director

### **DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigolhalli,  
Bengaluru 560 064.

Name of the Examiner with

Signature with Date

1. DR. CHITRA RAO, REVA
2. Dr. N. Thrimoorthy, R.U. CSA





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**Face Recognition System**

Submitted in partial fulfillment of the requirements for the award of the *Degree of*

**Master of Computer Applications**

Submitted by

**Shubham kumar**

**R19CA666**

Under the guidance of

**Internal Guide  
Dr. N Thrimoorthy**

**External Guide  
Dr. Puneet**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

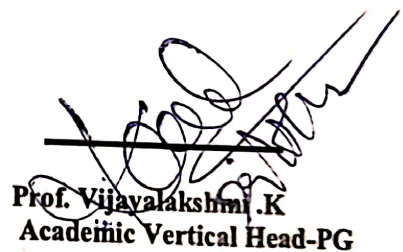
The project work titled - Face Recognition System, is being carried out under our guidance by Shubham Kumar, R19CA666, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Master of Computer Applications during the academic year 2021-22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



**Dr. N Thrimoorthy**  
Internal Guide



**Dr. Puneet**  
External Guide



**Prof. Vijayalakshmi K**  
Academic Vertical Head-PG


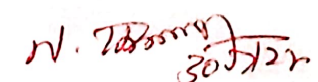


**DIRECTOR**

**School of Computer Science & Applications**  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

**Dr. S. Senthil**  
Professor and Director

**Name of the Examiner with Affiliation Signature with Date**

1. DR CHITRA RAN COMPU, 
2. DR N. Thrimoorthy, RV, CSA 





## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**House Sales Price Prediction**

*Submitted in partial fulfillment of the requirements for the award of the Degree of*

**Master of Computer Applications**

*Submitted by*

**Shubham Kumar**

**R19CA667**

*under the guidance of*

**Internal Guide**

**Dr. Devi A**

**External Guide**

**Chandrakala V**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **House Sales Price Predictions project**, is being carried out under our guidance by **Shubham Kumar, R19CA667**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.



Signature with Date

**Chandrakala V**  
External Guide

  
**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

**Dr. S. Senthil**  
Professor and Director

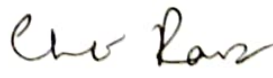

Signature with Date

**Prof. Vijayalakshmi .K**  
Academic Vertical Head-PG

**Name of the Examiner with Affiliation**

**Signature with Date**

1. **DR CHITRA RAY, cmr**  
2. **Dr. Devi. A, RU**

 30/8/22  
 30/7/22





## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

### **A Project Report on Vehicle Information Fetcher Using OpenCV and HaarCascade**

*Submitted in partial fulfillment of the requirements for the award of the Degree of*

### **Master of Computer Applications**

**Submitted by**

**Swaroop Kappatteshwar Geddannavar**

**R19CA673**

**under the guidance of**

**Internal Guide  
Dr. Devi. A**

**External Guide  
Pradeep Kumar K**

**July 2022**


**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

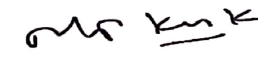



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

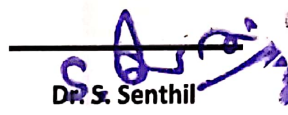
**CERTIFICATE**

The project work titled – **Vehicle Information Fecher Using OpenCV and HaarCascade**, is being carried out under our guidance by **Swaroop Kappatteshwar Geddannavar, R19CA673**, a Bonafede student of **REVA University**, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
**Dr. Devi. A**  
Internal Guide

  
**Pradeep Kumar K**  
External Guide

  
**Prof. Vijayalakshmi .K**  
Academic Vertical Head-PG

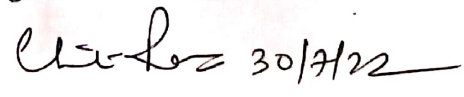
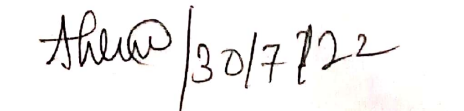
  
**Dr. S. Senthil**  
Professor and Director

**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenanalli,  
Bangalore - 560 034.

**Name of the Examiner with Affiliation**

1. DR CHITRA RAN, SOES, CMKV
2. Dr. Devi. A

**Signature with Date**

 30/7/22  
 30/7/22





## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**On**

**DETECTION OF SKIN CANCER**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**SYED KHAMRUDDIN.S**

**R19CA674**

Under the guidance of

**Internal Guide**  
**Dr. Thontadari.C**  
**Assistant Professor**  
**CSA**  
**REVA University**

**External Guide**  
**Mr. Pradeep Kumar**  
**Team lead**  
**Ethical byte**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**



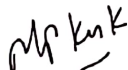
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled **-DETECTION OF SKIN CANCER**, is being carried out under our guidance by **Syed Khamruddin. S, R19CA674**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

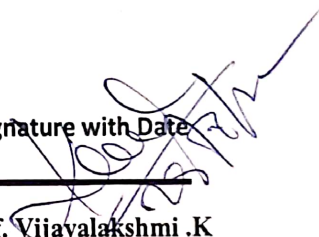
  
Signature with Date

Dr. Thontadari. C  
Internal Guide

  
Signature with Date

28-07-22

Mr. Pradeep Kumar  
External Guide

  
Signature with Date


Prof. Vijayalakshmi .K  
Academic Vertical Head-PG


  
**DIRECTOR**  
Signature with Date  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
Dr. S. Senthil  
Professor and Director

**Name of the Examiner with Affiliation**

**Signature with Date**

1. DR CHITRA RAM, CMKV

 30/8/22

2. Dr. Thontadari. C  30/7/22





**SCHOOL OF COMPUTER SCIENCE AND  
APPLICATIONS**

**A Project Report on  
Order Management System**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

Vikrant Kumar

R19CA680

under the guidance of

Internal Guide  
Dr. Thontadari C

External Guide  
Monish K N

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)





## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled Order Management System, is being carried out under our guidance by Vikrant Kumar, R19CA680, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of Master of Computer Applications during the academic year 2021-22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

*Enlon*  
29/12/22

Dr. Thontadari C  
Internal Guide

*Monish*

Monish K N  
External Guide

*[Signature]*  
Prof. Vijayalakshmi .K  
Academic Vertical  
Head-PG

*[Signature]*  
Dr. S. Senthil  
Professor and  
Director

**DIRECTOR**

School of Computer Science & Applications  
REVA University, Kattige Road,  
Bangalore - 560 064.

Name of the Examiner with Affiliation Signature with Date

1. DR CHITRA RAO, emrv

*[Signature]* 30/12/22

2. Dr. Thontadari C : Enlon 30/12/22





**REVA**  
UNIVERSITY

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**On**

**LAUNDRY MANAGEMENT SYSTEM**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Computer Applications**

**Submitted by**

**Vishal Kalal**

**R19CA683**

**Under the guidance of**

**Internal Guide**

**Dr. Devi A**

**External Guide**

**Dalpat Singh**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**

**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled – **Laundry Management System**, is being carried out under our guidance by **Vishal Kalal, R19CA683**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date



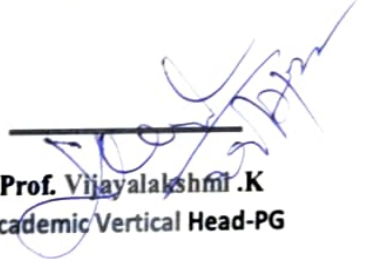
**Dr. DEVI A**  
Internal Guide

Signature with Date



**Dalpat Singh**  
External Guide

Signature with Date



**Prof. Vijayalakshmi .K**  
Academic Vertical Head-PG



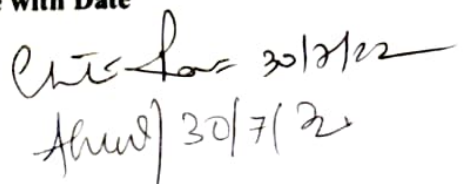
**DIRECTOR**  
Signature with Date  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
**Dr. S. Senthil**  
Professor and Director

**External Examiner**

**Name of the Examiner with Affiliation**

1. Dr. VITRA RAN, CMRU
2. Dr. Devi. A RO.

**Signature with Date**



30/7/22



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**  
**A Project Report**

on

**Visualization and Analysis of SO<sub>2</sub>, NO<sub>2</sub> and other particles  
after receiving from IoT by using AQI**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Computer Applications**

Submitted by

**Swaroop Chowdary**

**R20CA733**

under the guidance of

**Internal Guide**

**Ravi.D**

**Assistant Professor**

**External Guide**

**Rashmi Singh**

**Project Manager**

**September 2022**

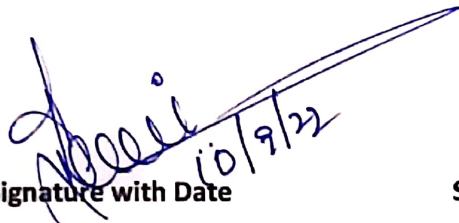
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
[www.reva.edu.in](http://www.reva.edu.in)



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

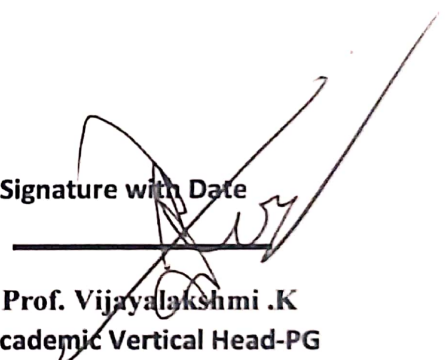
The project work titled – **Visualization and Analysis of SO<sub>2</sub>, NO<sub>2</sub> and other particles using AQI**, is being carried out under our guidance by **Swaroop chowdary, R20CA733**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date

**Prof. Ravi.D**  
**Internal Guide**

  
Signature with Date

**Rashmi Singh**  
**External Guide**

  
Signature with Date

**Prof. Vijayalakshmi .K**  
**Academic Vertical Head-PG**

  
**DIRECTOR**  
Signature with Date  
**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**  
**Dr. S. Senthil**  
**Professor and Director**

**Name of the Examiner with Affiliation**

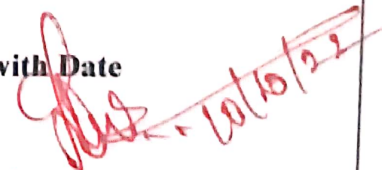

1.



2.



**Signature with Date**





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

**Virtual Sketching Board for Teaching Aids**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Science in Computer Science**

Submitted by

**Chokey Dorji**  
**(SRN: R20SCS05)**

under the guidance of

**Dr. S. Senthil**  
**Professor and Director**

July 2022

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064

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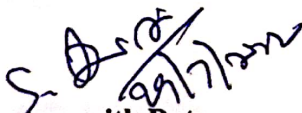


**REVA**  
UNIVERSITY  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

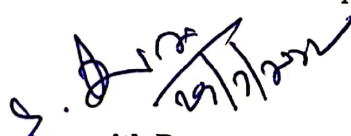
The project work titled **VIRTUAL SKETCHING BOARD FOR TEACHING AIDS**, is being carried out under my guidance by **Chokey Dorji**, SRN: R20SCS05, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Science in Computer Science** during the academic year 2021-22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date

**Dr. S. Senthil**  
Project Guide

  
Signature with Date

**Prof. Vijayalakshmi .K**  
Academic Vertical Head-PG

  
Signature with Date

**DIRECTOR**

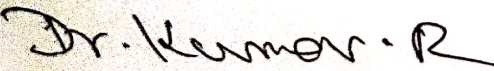
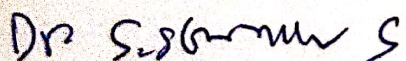
**School of Computer Science & Applications**

**REVA University, Kattigenahalli,**

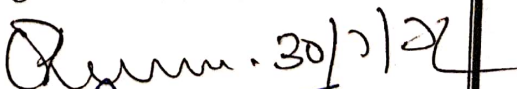
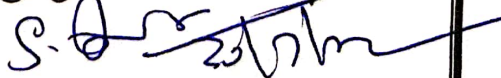
**Dr. S. Senthil Bangalore - 560 064.**

**Professor and Director**

**Name of the Examiner with Affiliation**

1.  **Dr. Kemer .R**
2.  **Dr. S. Senthil**

**Signature with Date**

 **Dr. Kemer .R**  
 **Dr. S. Senthil**





**REVA**  
UNIVERSITY

Bengaluru, India

## **SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Smart Question Paper Generation System**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Science in Computer Science**

Submitted by

**Mohammed Ashfaq K**

**R20SCS08**

under the guidance of

**Internal Guide**

**Prof Vinay G**

**External Guide**

**Dinesh M**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - **Smart Question Paper Generation System**, is being carried out under our guidance by **Mohammed Ashfaq, R20SCS08**, a bonafide student of REVA University and is submitting the project report in partial fulfillment, for the award of **Master of Science Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature with Date

Prof. Vinay G  
Internal Guide

Signature with Date

Dinesh M  
External Guide

Signature with Date

Prof. Vijayalakshmi .K  
Academic Vertical Head-PG

Signature with Date

Dr. S. Senthil

Professor and Director

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Name of the Examiner with Affiliation**

1. Dr. N. Vijayalakshmi, MCA Dept.
2. Prof. Vinay G, MCA Dept.

**Signature with Date**

Signature with Date  
30/7/22  
30/7





**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

**Counterfeit Currency Detection App**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Masters of Science in Computer Science**

Submitted by

**Murali Krishna M**

**R20SCS10**

under the guidance of

Internal Guide  
**Dr. M Vinayaka Murthy**

External Guide  
**Mohammed Zeeshan A**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
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**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - **Counterfeit Currency Detection App**, is being carried out under our guidance by **Murali Krishna M, R20SCS10**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Masters of Science in Computer Science** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Signature

**Dr. M Vinayaka Murthy**  
Internal Guide

Signature

**Mohammed Zeeshan A**  
External Guide

Signature

**Pfof. Vijayalakshmi .K**  
Academic Vertical Head-PG

Signature  
**DIRECTOR**

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Dr. S. Senthil**  
Professor and Director

**Name of the Examiner with Affiliation**

1. DR. CHITRA RAVE, CMRU
2. DR M Vinayaka Murthy RU

**Signature with Date**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
On  
PLANT SPECIES CLASSIFICATION BASED ON CONTINUOUS  
DATA USING DECISION TREE**

**Submitted in partial fulfillment of the requirements for the award of the Degree of  
Master of Science in Computer Science**

**Submitted by**

**POORNIMA J  
R20SCS12**

**under the guidance of**

**Internal Guide**

**Dr. Devi .A**

**School of Computer Science and Applications  
REVA University  
Bengaluru**

**External Guide**

**Syed Assad**

**Chief Ai Engineer  
Inventeron Technologies  
and Business Solutions**


**July 2022**

**Rukmini Knowledge Park, Kattiganahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

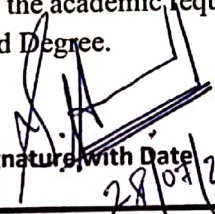
**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - **Plant species classification based on continuous data using decision tree** is being carried out under our guidance by **POORNIMA J, R20SCS12**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Science in Computer Science** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date  
29/7/22

**Dr. Devi.A**  
Internal Guide

  
Signature with Date  
28/07/2022

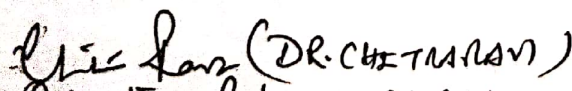
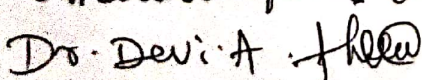
**Syed Assad**  
External Guide

Signature with Date

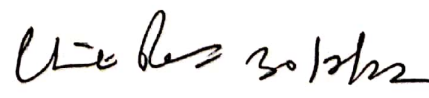
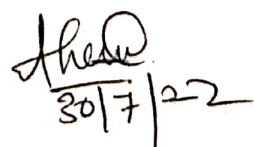
  
**Prof. Vijayalakshmi. K**  
Academic Vertical Head-PG

  
**DIRECTOR**  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bengaluru - 560 064.  
Dr. S. Senthil  
Professor and Director

**Name of the Examiner with Affiliation**

1.   
Dr. Chittaran (DR. CHITTARAN)  
Director of Research, CMRU
2.   
Dr. Devi.A

**Signature with Date**

  
30/7/22  
  
30/7/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Industrial IoT Gateway-Real Time Monitoring Tool**

**Submitted in Partial fulfilment of the requirements for the award of the Degree of**

**Master of Science in Computer Science**

**Submitted by**

**PRIYANKA REDDY DS**

**SRN: R20SCS13**

**Under the guidance of**

**Internal Guide**

**Dr.SASIKALA G**

**Associate Professor  
School of Computer Science and Applications  
REVA University  
Bengaluru, India**

**External Guide**

**ULLAS**

**Manager  
Elisrun Technologies  
Bengaluru, India**

**July 2021**

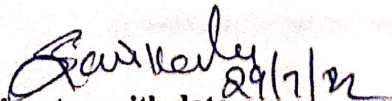
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064 [www.reva.edu.in](http://www.reva.edu.in)**



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

Certified that the project work entitled **Industrial IoT Gateway-Real Time Monitoring Tool** carried out under our guidance by **PRIYANKA REDDY DS, R20SCS13**, a bonafide student of REVA University during the academic year 2021-22, is submitting the project report in partial fulfillment for the award of **Master of Science In Computer Science** during the academic year **2021-22**. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

  
Signature with date 29/7/22

**Dr. Sasikala G**

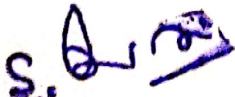
**Internal Guide**

 **ELISKUN TECHNOLOGIES**  
3rd Layout, Maradu, BSK 3rd  
Stage, Bangalore, KA - 560085  
8762535027/9032761718

Signature with date

**Ullas**

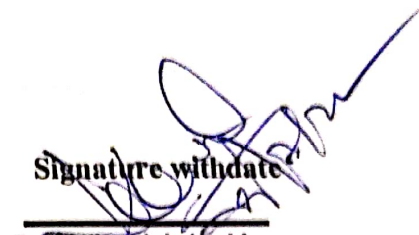
**External Guide**



**DIRECTOR**

**School of Computer Science and Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**

**Dr. S. Senthil**  
**Professor and Director**

  
Signature with date  
**Prof. Vijayalakshmi.k**

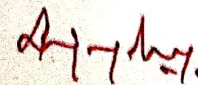
**Academic vertical**

**Head-PG**

**Name of the Examiner with affiliation**

1. **Dr. N. Vijayalakshmi, MCA Dept.**  
**Mount Carmel**

**Signature with Date**







**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**on**

**Hack the Bsides London VM 2017(Boot2Root)**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Science in Computer Science**

**Submitted by**

**Punith J**

**R20SCS14**

**under the guidance of**

**Internal Guide**

**Prof.Sneha N**

**Assistant Professor**

**Department of CSA**

**REVA University**

**External Guide**

**Mr. Manoj Kashyap**

**Bug Analyst**

**EthicalByte**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**

**[www.reva.edu.in](http://www.reva.edu.in)**





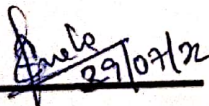
**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

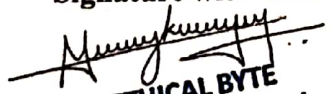
The project work titled - **Hack the Bsides London VM 2017(Boot2Root)** , is being carried out under our guidance by **Punith J, R20SCS14**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Science** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

**Signature with Date**

  
29/07/22

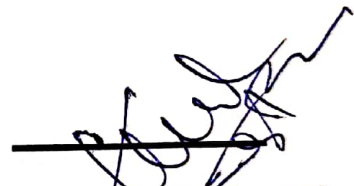
**Prof. Sneha N**  
**Internal Guide**

**Signature with Date**

  
**ETHICAL BYTE**  
No 12, 3rd Main Road,  
Shambhavinagar, Laggere,  
Bengaluru-560091

**Mr. Manoj Kashyap**  
**External Guide**

**Signature with Date**



**Prof. Vijayalakshmi .K**  
**Academic Vertical Head-PG**

**Signature with Date**

  
**DIRECTOR**

**School of Computer Science & Applications**  
**REVA University, Kattigenahalli,**  
**Bangalore - 560 064.**  
**Professor and Director**

**Name of the Examiner with Affiliation**

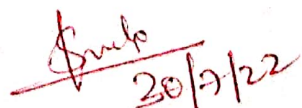
1.

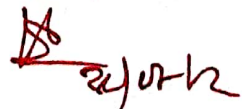
**Sneha. N R20-CSA**

2.

**DR. ASHOKA SV MEV**

**Signature with Date**

  
20/7/22

  
21/07/22







**REVA**  
**UNIVERSITY**

Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report

on

**Speech Recognition Module of Robotic Language  
Automation**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Science in Computer Science**

Submitted by

**S. RAGHAVAN**

**R20SCS15**

under the guidance of

**Prof. Nagaraju. S**  
**(Assistant Professor)**

**Mr. Syed Asad**  
**(Chief AI Engineer)**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

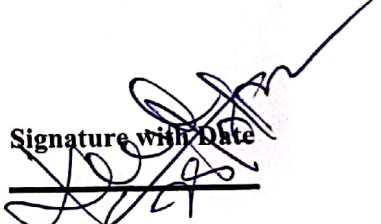
The project work titled - Speech Recognition Module of Robotic Language Automation, is being carried out under our guidance by S. Raghavan, R20SCS15, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Computer Applications** during the academic year 2021-22. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date

**Prof. Nagaraju. S**  
Internal Guide

  
Signature with Date 28-07-2022

**Mr. Syad Asad**  
External Guide

  
Signature with Date

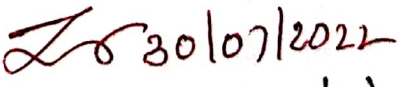
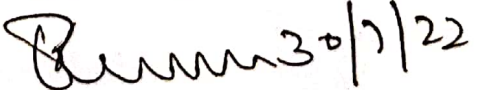
**Prof. Vijayalakshmi. K**  
Academic Vertical Head-PG

  
Signature with Date  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.  
Dr. S. Senthil  
Professor and Director

**Name of the Examiner with Affiliation**

1. Nagaraj U. S., RU,
2. Dr. Kumar. R

**Signature with Date**





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report**

**On**

**Query Tool Automation**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Science in Computer Science**

**Submitted by**

**Sparsha S Jain**

**R20SCS22**

**under the guidance of**

**Internal Guide**

**Dr. Anand R**

**Associate Professor**

**External Guide**

**Swathi Pandiyan**

**Senior Test Automation**

**Engineer**

**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**




## SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

### CERTIFICATE

The project work titled – **Query Tool Automation**, is being carried out under our guidance by **Sparsa S Jain, R20SCS22**, a Bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Science in Computer Science** during the academic year **2021–22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

Beltri . P

  
30/7

Dr. Anand R  
Internal Guide

ORACLE Cerner

Swathi Pandyan  
External Guide

**DIRECTOR**

**School of Computer Science & Applications**

**REVA University, Kattigenahalli,**

**Bangalore - 560 064.**

Dr. S. Senthil

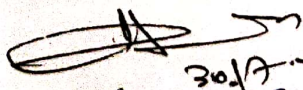
Professor and Director

  
Prof. Vijayalakshmi .K  
Academic Vertical Head-PG

Name of the Examiner with Affiliation

1. **Dr - Anand R**
2. **Dr - Ashoka SB, MCV**

Signature with Date

  
30/7  
**Ashoka SB**  
30/07/22





**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**A Project Report  
on**

**An application for collecting smartwatch data**

**Submitted in partial fulfillment of the requirements for the award of the Degree of**

**Master of Science in Computer Science**

**Submitted by**

**Zeshan Haris MP**

**R20SCS24**

**under the guidance of**

**Internal Guide  
Prof. Vinay G**

**External Guide  
Dinesh M**

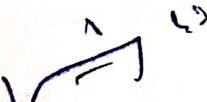
**July 2022**

**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064  
[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

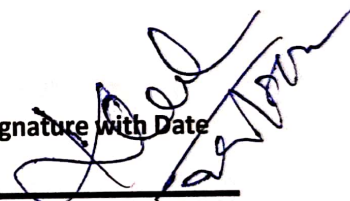
The project work titled - **An Application for collecting smartwatch data**, is being carried out under our guidance by **Zeshan Haris, R20SCS24**, a bonafide student of REVA University, and is submitting the project report in partial fulfillment, for the award of **Master of Science ter Applications** during the academic year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect to the Project Work prescribed for the aforementioned Degree.

  
Signature with Date

**Prof. Vinay G**  
Internal Guide

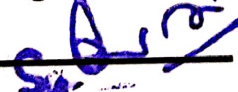
  
Signature with Date

**Dinesh M**  
External Guide

  
Signature with Date

**Prof. Vijayalakshmi .K**  
Academic Vertical Head-PG

Signature with Date

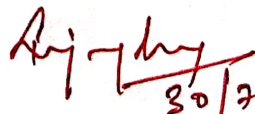



**Dr. S. Senthil**  
**DIRECTOR**  
Professor and Director  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bengaluru - 560 064.

Name of the Examiner with Affiliation

1. Dr. N. Vijayalakshmi, MCA Dept  
Mount Carmel
2. Prof. Vinay. G

Signature with Date

  
30/7/22  






**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

A Project Report  
on

**Smart Accident Detection System using IOT**

Submitted in partial fulfillment of the requirements for the award of the Degree of

**Master of Science in Computer Science**

Submitted by

**T R SREERAM**

**R20SCS27**

under the guidance of

Internal Guide  
**Dr. Rajeev Ranjan**

**July 2022**

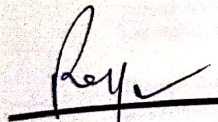
**Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru-560064**  
**[www.reva.edu.in](http://www.reva.edu.in)**

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**CERTIFICATE**

The project work titled - Smart Accident Detection System, is being carried out under our guidance by  
**T R SREERAM, R20SCS27**, a bonafide student of REVA University, and is submitting the project report  
in partial fulfillment, for the award of Master of Science in Computer Science during the academic  
year **2021-22**. The project report has been approved, as it satisfies the academic requirements with respect  
to the Project Work prescribed for the aforementioned Degree.

Signature with Date

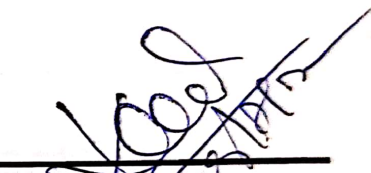
  
Dr. Rajeev Ranjan  
Internal Guide

Signature with Date

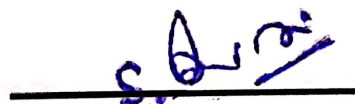


Sushmita Konin  
External Guide

Signature with Date

  
Prof. Vijayalakshmi .K  
Academic Vertical Head-PG

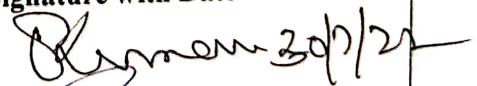
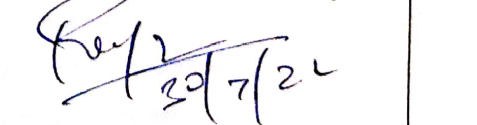
Signature with Date

  
Dr. S. Senthil  
Professor and Director  
School of Computer Science & Applications  
REVA University, Kattigenahalli,  
Bangalore - 560 064.

Name of the Examiner with Affiliation

1. Dr. Kumar R - RJC
2. Dr. R. Ranjan R U

Signature with Date

 30/7/22  
 30/7/22



**Age and gender detection**

A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Computer Science and Applications

Submitted by

**Ms.Pavithra M**

**(R20CA672)**

**Ms.Sonali S**

**(R20CA702)**

Under the Guidance of

**Prof.Dr Vijayalakshmi A Lepakshi**

**School of Computer Science and Applications**

**REVA University, Bangalore**



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

**Kattigenahalli, Yelahanka, Bangalore – 560 064**

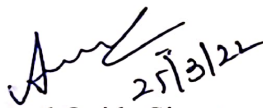
**March 2022**

## CERTIFICATE


This is to certify that the Minor project work entitled "Age And Gender Detection" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications in the academic year 2021-2022 is a record of the original work done by (Pavithra M ,R20CA672) & ( Sonali S ,R20CA702) under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date : 26/03/2022

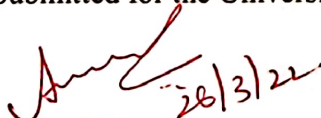
  
Internal Guide Signature:

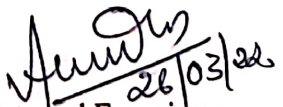
  
Signature of the Program Co-Ordinator

  
Signature of the Director

School of Computer  
Science & Applications  
REVA University, Rukmini Knowledge Park  
Kattnahalli, Yelahanka, Bengaluru - 560 084

Submitted for the University Examination held on: 26/03/2022

  
Internal Examiner

  
External Examiner



# **Hand Gesture Control of Computer Using Python**

A Project Report Submitted in Partial Fulfillment of the Requirements for  
the Award of the Degree of Master of Computer Science and Applications

Submitted by:

**Mr. SANKET DIVATAR (SRN : R20CA693)**

**Mr. SOURABH AJIT RASHIVADE (SRN : R20CA703)**

Under the Guidance of

**Dr. Vijayalakshmi A Lepakshi**

School of Computer Science and Applications

REVA University, Bangalore



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

Kattigenahalli, Yelahanka, Bangalore – 560 064


**March 2022**

## CERTIFICATE

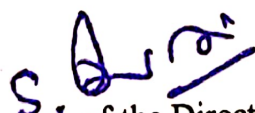
This is to certify that the Minor project work entitled "HAND GESTURE CONTROL OF COMPUTER USING PYTHON" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications in the academic year 2021-2022 is a record of the original work done by **Sanket Divatar (R20CA693)** and **Sourabh A Rashivade (R20CA703)** under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date : 26/03/2022

  
Internal Guide Signature:

  
Signature of Program Co-Ordinator:

  
Signature of the Director  
School of Computer  
Science & Applications  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Submitted for the University Examination held on 26/3/22

  
Internal Examiner

  
External Examiner



**Abnormal Event Detection Using Feature Engineering in Video  
Surveillance**

A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Computer Science and Applications

Submitted by

**Ms. Pragathi B R**

**(R20CA675)**

**Ms. Spoorthi S**

**(R20CA704)**

Under the Guidance of  
Prof. K Vijayalakshmi

School of Computer Science and Applications  
REVA University, Bangalore



**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

Kattigenahalli, Yelahanka, Bangalore – 560 064

**March 2022**

## CERTIFICATE

This is to certify that the Minor project work entitled "Abnormal Event Detection Using Feature Engineering in Video Surveillance" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Science and Applications in the academic year 2021-2022 is a record of the original work done by (Pragathi B R, R20CA675 and Spoorthi S, R20CA704) under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore  
Date: 25-03-2022

Internal Guide Signature:

Signature of the Program Co-Ordinator

Signature of the Director  
School of Computer  
Science & Applications  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Submitted for the University Examination held on 26-03-2022

Internal Examiner

External Examiner



**Integrated Real Time Monitoring & Control System for Traffic**  
A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Computer Science and Applications

Submitted by

**Mr. Tejas A**

**(R20CA717)**

**Mr. Vidyasagar K S**

**(R20CA724)**

Under the Guidance of  
Prof. K Vijayalakshmi

School of Computer Science and Applications  
REVA University, Bangalore



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

Kattigenahalli, Yelahanka, Bangalore – 560 064

**March 2022**

## CERTIFICATE

This is to certify that the Minor project work entitled "Integrated Real Time Monitoring & Control System For Traffic" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Science and Applications in the academic year 2021-2022 is a record of the original work done by (Tejas A, R20CA717 and Vidyasagar K S, R20CA724) under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date: 25/03/2022

Internal Guide Signature:

Signature of the Program Coordinator

Signature of the Director

School of Computer  
Science & Applications

Submitted for the University Examination on 25/03/2022  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Internal Examiner

External Examiner



**Pull Up – “Let Parking Lots Be Modest Paradise”**  
A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Computer Science and Applications

Submitted by

**Ms. Rajeshwari Anjeneyulu (R20CA682)**  
**Ms. Poornima R (R20CA674)**

Under the Guidance of  
Prof. K Vijayalakshmi

School of Computer Science and Applications  
REVA University, Bangalore



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

Kattigenahalli, Yelahanka, Bangalore – 560 064

**March 2022**

## CERTIFICATE

This is to certify that the Minor project work entitled "Pull Up - Let parking lots be modest paradise" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of Master of Computer Science and Applications in the academic year 2021-2022 is a record of the original work done by **(Rajeshwari A : R20CA682, Poornima R : R20CA674)** under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date : 24/03/2022

Internal Guide Signature:  
Ordinator

Signature of the Program Co-

Signature of the Director

Submitted for the University Examination held on 26/03/2022

Internal Examiner

External Examiner



**Recommender Classifier Model To Predict The Efficiency Of Online  
Education**

A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Computer Science and Applications

Submitted by

**Mr. Pawar Rahul Laxman**

**(R20CA673)**

**Mr. Sherman Baptist Rodrigues**

**(R20CA696)**

Under the Guidance of

**Prof. K Vijayalakshmi**

School of Computer Science and Applications

REVA University, Bangalore



**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

Kattigenahalli, Yelahanka, Bangalore – 560 064

**March 2022**

## DECLARATION

We hereby declare that this Minor project work entitled "Recommender Classifier Model To Predict The Efficiency Of Online Education" under the guidance of Prof. K Vijayalakshmi and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

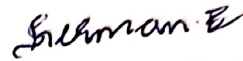
Signature of the Candidate



Name: Pawar Rahul Laxman

SRN No: R20CA673

Signature of the Candidate



Name: Sherman Baptist Rodrigues

SRN No: R20CA696

Date : 26/03/2022

Countersigned by

Signature of the guide



**Smart Check-point Management System**

**A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Science in Computer Science**

**Submitted by**

**Chokey Dorji**

**(SRN: R20SCS05)**

**Sonam Jamtsho**

**(SRN: R20SCS21)**

**Under the Guidance of**

**Prof. K. Vijayalakshmi**

**School of Computer Science and Applications**

**REVA University, Bangalore**



**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

**Kattigenahalli, Yelahanka, Bangalore – 560 064**

**January 2022**

### CERTIFICATE

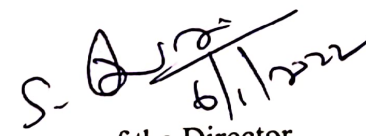
This is to certify that the Minor project work entitled "SMART CHECK-POINT MANAGEMENT SYSTEM" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of MSc in Computer Science in the academic year 2021-2022 is a record of the original work done by CHOKEY DORJI (SRN: R20SCS05), SONAM JAMTSO (SRN: R20SCS21) under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date : 6/1/2022

  
Internal Guide Signature:

  
Signature of the Program Co-Ordinator

  
Signature of the Director  
School of Computer  
Science & Applications  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Submitted for the University Examination held on \_\_\_\_\_

Internal Examiner

External Examiner



# **Detection of Drowsiness of Driver**

A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Science in Computer Science

Submitted by  
**Mr. Kishan Parekh**  
**(R20SCS11)**

**Ms. Sakshija K J**  
**(R20SCS17)**

Under the Guidance of  
Prof. Dr. Vijayalakshmi Lepakshi

School of Computer Science and Applications  
REVA University, Bangalore



**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**REVA University**

Kattigenahalli, Yelahanka, Bangalore – 560 064

**January 2022**

## CERTIFICATE


This is to certify that the Minor project work entitled "Detection of Drowsiness of Driver" submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of MSc in Computer Science in the academic year 2021-2022 is a record of the original work done by Kishan Parekh (R20SCS11) and Sakshi K J (R20SCS17) under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date : 07/01/2022



Internal Guide Signature:

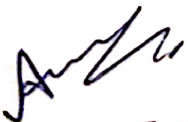


Signature of the Program Co-Ordinator



Signature of the Director  
School of Computer  
Science & Applications  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

Submitted for the University Examination held on \_\_\_\_\_



Internal Examiner

External Examiner



**A Project Report Submitted in Partial Fulfillment of the Requirements for the  
Award of the Degree of Master of Science in Computer Science**

**Submitted by**

**Mr. T.R. SREERAM  
(R20SCS27)**

**Under the Guidance of**

**Dr. Vijayalakshmi A Lepakshi  
School of Computer Science and Applications  
REVA University, Bangalore**



**REVA**  
**UNIVERSITY**  
Bengaluru, India

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

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**Kattigenahalli, Yelahanka, Bangalore – 560 064**

**January 2022**

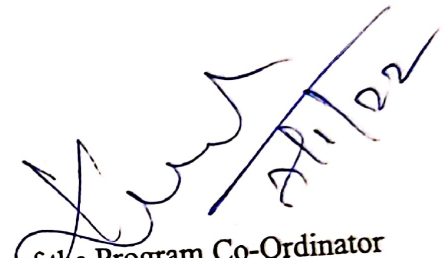
## CERTIFICATE


This is to certify that the Minor project work entitled " Smart Plugs " submitted to the School of Computer Science and Applications, REVA University in partial fulfillment of the requirements for the award of the Degree of MSc in Computer Science in the academic year 2021-2022 is a record of the original work done by ( T.R.SREERAM , R20SCS27 ) under my supervision and guidance and that this Minor project work has not formed the basis for the award of any Degree / Diploma / Associate ship / Fellowship or similar title to any candidate of any University.

Place: Bangalore

Date: 7-1-2022

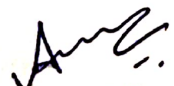
  
Internal Guide Signature:

  
Signature of the Program Co-Ordinator

  
Signature of the Director

School of Computer  
Science & Applications  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru - 560 084

Submitted for the University Examination held on \_\_\_\_\_

  
Internal Examiner

External Examiner





**REVA**  
UNIVERSITY

Bengaluru, India

Rukmini Knowledge Park, Kattigenahalli  
Yelahanka, Bengaluru - 560 064  
Karnataka, India.

Ph: +91- 90211 90211, +91 80 4696 6966

E-mail: [admissions@reva.edu.in](mailto:admissions@reva.edu.in)

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