

# **SARANATHAN COLLEGE OF ENGINEERING**

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

## **CRITERIAN – 1.2.3**

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**ANNA UNIVERSITY, CHENNAI- 600 025****BONAFIDE CERTIFICATE**

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **B.ABISHEK , (813818103001)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

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**SIGNATURE****Dr. G. DHANALAKSHMI**

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Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. B ABISHEK**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.

We wish **Mr. BABISHEK**, ~~all the best for his~~ **all the best for his** future endeavour.

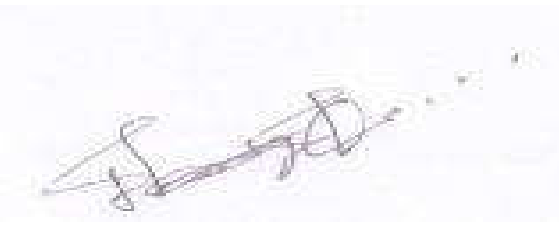
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Balakrishnan C  
Managing Director,  
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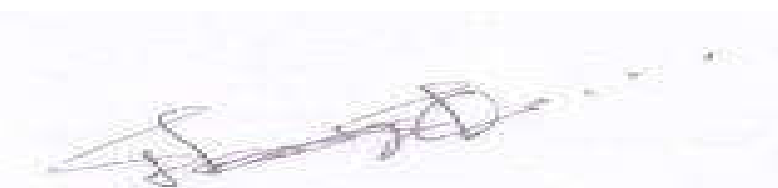
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*We wish **Mr. R ANANTH**, all the best for his future endeavour.*

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*We wish **Mr. S ASRUF NIJAMUDIN MUSTHAF**, all the best for his future endeavour.*

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*We wish **Mr. P CHANDRU**, all the best for his future endeavour.*

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*This is to certify that **Ms S CHARULATHA**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms S CHARULATHA**, all the best for her future endeavour.*

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*We wish Mr. G DINESH KUMAR, all the best for his future endeavour.*

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*We wish **Mr. K DINESH**, all the best for his future endeavour.*

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**INTERNAL EXAMINER**



19<sup>th</sup> October 2020

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*This is to certify that **Ms S EZHILARASI**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms S EZHILARASI**, all the best for her future endeavour.*

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19<sup>th</sup> October 2020

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Balakrishnan C

Managing Director,

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This is to certify that **Mr. T GOKUL**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.

We wish **Mr. T GOKUL**, all the best for his future endeavour.

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This is to certify that **Mr. S GOVINDA RAJ**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.

We wish **Mr. S GOVINDA RAJ**, all the best for his future endeavour.

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*We wish **Mr. HARIHARASUTHAN.S**, all the best for his future endeavour.*

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*We wish **Mr. M R HARINIVAS**, all the best for his future endeavour.*

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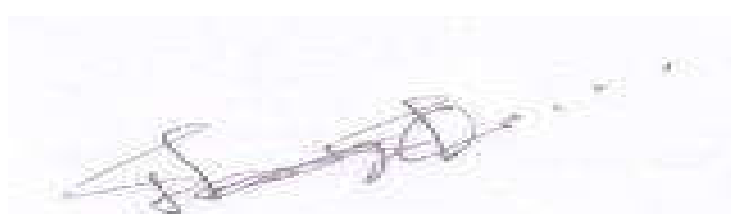
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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. M HARISH**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M HARISH**, all the best for his future endeavour.*

### **Contents Focused:**

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SUKAN ASSOCIATES



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Professor and Head

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Tiruchirappalli-12.

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**INTERNAL EXAMINER**

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms HARITHA BALAJI**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms HARITHA BALAJI**, all the best for her future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
&  
Job Opportunities.*



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Managing Director,  
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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. M IENIYAN**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M IENIYAN**, all the best for his future endeavour.*

### **Contents Focused:**

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Managing Director,  
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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. M INBANITHISHKUMAR**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M INBANITHISHKUMAR**, all the best for his future endeavour.*

### **Contents Focused:**

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Job Opportunities.***



Balakrishnan C

Managing Director,

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**SIGNATURE****Mr. C. KESAVARAJA**

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## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms JESHAL SALEEM**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms JESHAL SALEEM**, all the best for her future endeavour.*

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Managing Director,  
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19<sup>th</sup> October 2020

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*This is to certify that **Mr. N KRISHNA MOORTHY**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. N KRISHNA MOORTHY**, all the best for his future endeavour.*

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Managing Director,  
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*This is to certify that **Mr. M.KUMARAGURU**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M.KUMARAGURU**, all the best for his future endeavour.*

### **Contents Focused:**

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Managing Director,  
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19<sup>th</sup> October 2020

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*This is to certify that **Mr. G.LOGESWAR**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. G.LOGESWAR**, all the best for his future endeavour.*

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19<sup>th</sup> October 2020

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*This is to certify that **Mr. S MAHESHWARAN**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. S MAHESHWARAN**, all the best for his future endeavour.*

### **Contents Focused:**

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Managing Director,  
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**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

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Saranathan College of Engineering

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**Dr. G. DHANALAKSHMI**

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19th October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms V MANI MITHA**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms V MANI MITHA**, all the best for her future endeavour.*

### *Contents Focused*

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions & job opportunities*

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Managing Director,  
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**SIGNATURE****Mr. C. KESAVARAJA**

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. MOHAMED NAWFAL**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.

We wish **Mr. MOHAMED NAWFAL**, all the best for his future endeavour.

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**Balakrishnan C**  
Managing Director,  
SUKAN ASSOCIATES



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Asst. Professor

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Tiruchirappalli-12.



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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. K MOHAMED THARIK**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.

We wish **Mr. K MOHAMED THARIK**, all the best for his future endeavour.

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*We wish **Mr. MOHAMED HALITH**, all the best for his future endeavour.*

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Managing Director,

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*This is to certify that **Mr.S. MOHAN KISHOR**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr.S. MOHAN KISHOR** all the best for his future endeavour.*

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Saranathan College of Engineering

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**Dr. G. DHANALAKSHMI**

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that Ms. L NEERKAMALI , Third year student of B.E – Civil Engineering from Saranathan College of Engineering, Tiruchirappalli-12 has completed her Two weeks Internship at our Construction Company from 05.10.2020 to 17.10.2020. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish Ms L NEERKAMALI, all the best for her future endeavour.*

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Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **M. PALANI KUMAR, (813818103033)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



**INTERNAL EXAMINER**



# SUKAN ASSOCIATES

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. M PALANI KUMAR**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M PALANI KUMAR**, all the best for his future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
&  
Job Opportunities.*

Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES





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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **R. POOVADHARANI, (813818103034)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that Ms. R POOVADHARANI, Third year student of B.E - Civil Engineering from Saranathan College of Engineering, Tiruchirappalli-12 has completed her Two weeks Internship at our Construction Company from 05.10.2020 to 17.10.2020. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish Ms R POOVADHARANI, all the best for her future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Balakrishnan C  
Managing Director,  
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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **P. PRIYADHARSHINI, (813818103035)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms P PRIYADHARSHINI**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms P PRIYADHARSHINI**, all the best for her future endeavour.*

### *Contents Focused:*

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions*

*&*

*Job Opportunities.*

Balakrishnan C

Managing Director,

SUKAN ASSOCIATES





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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **G. ROHAN ARUNACHALAM, (813818103037)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

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Saranathan College of Engineering

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**SIGNATURE****Dr. G. DHANALAKSHMI**

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Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. G ROHAN ARUNACHALAM**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. G ROHAN ARUNACHALAM**, all the best for his future endeavour.*

### *Contents Focused:*

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Job Opportunities.*

Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **S.ROOPA LAKSHMI (813818103038)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

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Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



**INTERNAL EXAMINER**

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms S ROOPA LAKSHMI**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms S ROOPA LAKSHMI**, all the best for her future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
&  
Job Opportunities.*



Balakrishnan C

Managing Director,

SUKAN ASSOCIATES





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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **A.SalaiKeerthirajan, (813818103039)** who carried out the Internship at SUKAN ASSOCIATES, MADURAI under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



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**Dr. G. DHANALAKSHMI**

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. A SALAI KEERTHI RAJAN**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. A SALAI KEERTHI RAJAN**, all the best for his future endeavour.*



Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



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**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

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**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



**INTERNAL EXAMINER**

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms OM. SANGALPA**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms OM. SANGALPA**, all the best for her future endeavour.*

### **Contents Focused:**

***Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
&  
Job Opportunities.***



**Balakrishnan C**  
Managing Director,  
SUKAN ASSOCIATES





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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **R.SANJAY (813818103041)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



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**Dr. G. DHANALAKSHMI**


Professor and Head

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Tiruchirappalli-12.

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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **S.SHREERAAM, (813818103042)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

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Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

Professor and Head

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Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12.

**INTERNAL EXAMINER**

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. SHREERAAM**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. SHREERAAM**, all the best for his future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.*



Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **V. SIVA PRASAATH, (813818103043)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

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Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

Professor and Head

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Tiruchirappalli-12.

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. V SIVA PRASAATH**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. V SIVA PRASAATH**, all the best for his future endeavour.*

### **Contents Focused:**

**Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.**



Balakrishnan C

Managing Director,

SUKAN ASSOCIATES



**ANNA UNIVERSITY, CHENNAI- 600 025****BONAFIDE CERTIFICATE**

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **M. SOMESHVARAR, (813818103044)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12

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E-mail - sukanassociates@outlook.com

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. M SOMESHVARAR**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M SOMESHVARAR**, all the best for his future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.*

Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



**ANNA UNIVERSITY, CHENNAI- 600 025****BONAFIDE CERTIFICATE**

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **S.S. SOUMIYA, (813818103045)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering  
Saranathan College of Engineering  
Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

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Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12 .

**INTERNAL EXAMINER**



19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms S S SOUMIYA**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms S S SOUMIYA**, all the best for her future endeavour.*

### **Contents Focused:**

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Job Opportunities.**



**Balakrishnan C**  
Managing Director,  
SUKAN ASSOCIATES



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### BONAFIDE CERTIFICATE

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **B. SRINITHI (813818103046)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



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**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

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Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



**INTERNAL EXAMINER**

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms. B SRINITHI**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms B SRINITHI**, all the best for her future endeavour.*

### **Contents Focused:**

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Job Opportunities.**



Balakrishnan C

Managing Director,

SUKAN ASSOCIATES





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### BONAFIDE CERTIFICATE

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **G.SUBASH GURUBARAN, (813818103047)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

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**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

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Tiruchirappalli-12.

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. SUBASH GURUBARAN**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. SUBASH GURUBARAN**, all the best for his future endeavour.*

### **Contents Focused:**

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Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **S.SUBHIKSHA, (813818103048)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Engineering Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of

Tiruchirappalli-12.

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19th October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms S.SUBHIKSHA**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.  
We wish **Ms S.SUBHIKSHA**, all the best for her future endeavour.*

### *Contents Focused*

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions & job opportunities*

Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



**ANNA UNIVERSITY, CHENNAI- 600 025****BONAFIDE CERTIFICATE**

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **N.SUDARRMAARI, (813818103049)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

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Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12

**INTERNAL EXAMINER**



19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms N SUDARRMAARI**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms N SUDARRMAARI**, all the best for her future endeavour.*

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Job Opportunities.*



Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



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**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



**INTERNAL EXAMINER**



# SUKAN ASSOCIATES

PLANNING | DESIGNING | CONSULTING

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Mobile - +91 9943929298 | +91 9791856122

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. S SUDHARSHAN**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. S SUDHARSHAN**, all the best for his future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions*

*&*

*Job Opportunities.*

Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



**ANNA UNIVERSITY, CHENNAI- 600 025****BONAFIDE CERTIFICATE**

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **N.SUHAIL AHAMED, (813818103051)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

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**INTERNAL EXAMINER**



19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. N.SUHAIL AHAMED**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. N.SUHAIL AHAMED**, all the best for his future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.*



Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



## ANNA UNIVERSITY, CHENNAI- 600 025

### BONAFIDE CERTIFICATE

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **M.SWATHI (813818103052)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms M SWATHI**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms M SWATHI**, all the best for her future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.*

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Managing Director,  
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**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. A THAUFEEQ JAMAL**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. A THAUFEEQ JAMAL**, all the best for his future endeavour.*

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Managing Director,  
SUKAN ASSOCIATES



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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **R.VIJITHRA, (813818103054)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

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**Dr. G. DHANALAKSHMI**

Professor and Head

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Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



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19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms R VIJITHRA**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms R VIJITHRA**, all the best for her future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.*



Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES





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Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **G.VISHNU PRIYA, (813818103055)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

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**INTERNAL EXAMINER**

**EXTERNAL XAMINER**



19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms G VISHNU PRIYA**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms G VISHNU PRIYA**, all the best for her future endeavour.*

### **Contents Focused:**

**Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.**



**Balakrishnan C**  
Managing Director,  
SUKAN ASSOCIATES



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### BONAFIDE CERTIFICATE

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **R.SURIYA PRAKASH, (813818103304)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12



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# SUKAN ASSOCIATES

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E-mail - sukanassociates@outlook.com

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. R SURIYA PRAKASH**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. R SURIYA PRAKASH**, all the best for his future endeavour.*

### **Contents Focused:**

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Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



## ANNA UNIVERSITY, CHENNAI- 600 025

### BONAFIDE CERTIFICATE

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **S.KARTHEESWARAN (813818103302)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

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Tiruchirappalli-12.

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19<sup>th</sup> October 2020

### CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. S KARTHEESWARAN** Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr.S. KARTHEESWARAN** all the best for his future endeavour.*

#### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Job Opportunities.*

Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



**ANNA UNIVERSITY, CHENNAI- 600 025****BONAFIDE CERTIFICATE**

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **R.SOUNDARYA, (813818103303)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.

**SIGNATURE****Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

**SIGNATURE****Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12

**INTERNAL EXAMINER**

19<sup>th</sup> October 2020

## CERTIFICATE OF INTERNSHIP

*This is to certify that **Ms R SOUNDARYA**, Third year student of B.E - Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed her Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of her Internship with us, we found she was found punctual, sincere and result oriented.*

*We wish **Ms R SOUNDARYA**, all the best for her future endeavour.*

### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES



## ANNA UNIVERSITY, CHENNAI- 600 025

### BONAFIDE CERTIFICATE

Certified that this Internship report on “**SURVEYING & CONSTRUCTION PROJECT MANAGEMENT**” is the bonafide work of **M .DHEIVA RAMNESH, (813818103301)** who carried out the Internship at **SUKAN ASSOCIATES, MADURAI** under our guidance.



**SIGNATURE**

**Mr. C. KESAVARAJA**

Asst. Professor

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.



**SIGNATURE**

**Dr. G. DHANALAKSHMI**

Professor and Head

Department of Civil Engineering

Saranathan College of Engineering

Tiruchirappalli-12.

Submitted for the Anna University Viva-Voce Examination held at Saranathan College of Engineering, Tiruchirappalli-12 ..



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## SUKAN ASSOCIATES

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Mobile - +91 9943929298 | +91 9791856122

E-mail - sukanassociates@outlook.com

19<sup>th</sup> October 2020

### CERTIFICATE OF INTERNSHIP

*This is to certify that **Mr. M DHEIVA RAMNESH**, Third year student of B.E – Civil Engineering from **Saranathan College of Engineering, Tiruchirappalli-12** has completed his Two weeks Internship at our Construction Company from **05.10.2020 to 17.10.2020**. During the period of his Internship with us, we found he was punctual, sincere and result oriented.*

*We wish **Mr. M DHEIVA RAMNESH**, all the best for his future endeavour.*

#### **Contents Focused:**

*Responsibilities of a Civil Engineer, Total Station-Special Features, Distances, Angles, Level, Data Transfer from instrument, Field Testing of Materials, Quality Assurance, Quality Control, Thumb Rules, MS Project, ETABS, Codal Provisions  
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Balakrishnan C  
Managing Director,  
SUKAN ASSOCIATES






# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science And Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
1	201001	813817104001	A	AAKAASH RAMKUMAR. R M
2	201002	813817104002	A	ABINASH. R
3	201003	813817104003	A	AISHWARIYA. P
4	201004	813817104004	A	AJAYPRASATH. R
5	201005	813817104005	A	AKILA. K
6	201006	813817104006	A	AKILANDESWARI. D
7	201007	813817104007	A	AMREETHA. S
8	201008	813817104008	A	ANUSHA. B
9	201009	813817104009	A	ARIVARASAN. U
10	201010	813817104010	A	ATCHAYA. M
11	201011	813817104012	A	BALA MURUGA PRASANTH. M
12	201012	813817104011	A	BALAJI. R.K
13	201013	813817104013	A	BANUMATHI. K
14	201014	813817104014	A	BHAGYA LAKSHMI. S
15	201015	813817104015	A	BUVANA PAVITRA. R
16	201016	813817104016	A	DARLEN JOVITA. J
17	201017	813817104017	A	GAYATHRI. N B
18	201018	813817104018	A	GEERTHANA. T.B
19	201019	813817104019	A	GOKULKANTH. R
20	201020	813817104020	A	HAMSHAVARTHINI. M
21	201021	813817104021	A	HARIKKRISHNA. S
22	201022	813817104022	A	HARINI PRIYA. R
23	201024	813817104025	A	JANANI. K.A
24	201026	813817104026	A	JAYAPRIYA. P
25	201027	813817104027	A	JEENATH NISHA. J
26	201028	813817104028	A	JEEVA RAMANATHAN. M
27	201029	813817104029	A	KAMALESH. R
28	201030	813817104030	A	KANISHKAR. GS

  
Signature of HoD

  
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Saranathan College of Engineering,  
TRICHY - 12.




# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
29	201032	813817104032	A	KAVE VARSHINI. C
30	201033	813817104033	A	KAVIN NANDHINI. S
31	201034	813817104034	A	KESAVA PRADHA. R
32	201035	813817104035	A	KESHORE. G
33	201036	813817104036	A	KISHORE. S
34	201037	813817104037	A	KRISHNA. S
35	201038	813817104038	A	KRITHIGA. G
36	201039	813817104039	A	KRITHIKA. R
37	201040	813817104040	A	LAKSHMI PRIYAA. S
38	201042	813817104041	A	LAVANYA. D
39	201043	813817104042	A	LAVANYA. E
40	201044	813817104043	A	LOURDES JENCY. S
41	201045	813817104044	A	MOHAMMED BASHARATH. M
42	201047	813817104046	A	MURUGANANDHAM. K
43	201048	813817104047	A	MUTHUKUMAR G
44	201049	813817104048	A	NAMASIVAYAM P
45	201050	813817104049	A	NANTHAKUMAR. S
46	201051	813817104050	A	NAVEEN RATHNAM. S
47	201052	813817104051	A	NISHANTHI. K S
48	201053	813817104052	A	NISTHULA. S
49	201054	813817104054	A	NIVEDHA KUNDAVAI. A
50	201055	813817104053	A	NIVEDHA. G
51	201056	813817104055	A	NIVETHA. S
52	201057	813817104056	A	PADMAPRIYA. R
53	201058	813817104057	A	PRAHADEESWAR. T
54	201059	813817104058	A	PRASANNA. M
55	201060	813817104059	A	PREETHA. G
56	201119	813817104306	A	SAKTHI VASANTH. G
57	201123	813817104303	A	HUSSAIN AHAMED. R
58	201124	813817104305	A	ROSHAN KUMAR SINGH. V
59	201128	813817104308	A	VASANTH RAJ. N

  
Signature of HoD

  
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Saranathan College of Engineering,  
TRICHY - 12.




# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
60	201061	813817104061	B	PRIYA DHARSHINI. G
61	201063	813817104062	B	PRIYADHARSINI. P
62	201064	813817104063	B	PRIYATARSHINI. M
63	201065	813817104064	B	RADHIKA. M
64	201066	813817104065	B	RAGAVI. R
65	201067	813817104066	B	RAJA RAM. B
66	201068	813817104067	B	RAMASAMY. M
67	201069	813817104068	B	RANIA ANJUM. S
68	201070	813817104069	B	ROOPIKHA. G
69	201072	813817104070	B	SAMSSON. J
70	201073	813817104071	B	SANJAI DHARSHAN. N
71	201074	813817104072	B	SANTHIYAA. A
72	201075	813817104073	B	SARIKA. K
73	201076	813817104074	B	SEMBARUTHI. RD
74	201077	813817104075	B	SENTHURYA. S
75	201078	813817104076	B	SHAILAJA. M
76	201079	813817104077	B	SHALINI. P
77	201080	813817104078	B	SHEIK ABDULLASHA. B
78	201081	813817104079	B	SHEIK MAGDHOOM. M
79	201082	813817104080	B	SHREE HARINI. V.R
80	201083	813817104082	B	SHRI HARINI. K
81	201084	813817104081	B	SHRIHARINI. S
82	201085	813817104083	B	SHRUTHI SRIDHAR.
83	201086	813817104084	B	SINDHU. S
84	201087	813817104085	B	SIVADHARSHINI. B
85	201088	813817104086	B	SIVAKRISHNAN. S
86	201089	813817104087	B	SREEVIDYA BHARATHAN RAJALAKSHMI
87	201090	813817104088	B	SRI HARI. V
88	201091	813817104090	B	SRI LEKHA. T
89	201092	813817104089	B	SRIKRISHNAN. M
90	201093	813817104091	B	SRINATH. M

  
Signature of HoD

  
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Saranathan College of Engineering,  
TRICHY - 12.






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Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
91	201094	813817104092	B	SRIRAM. S
92	201095	813817104093	B	SUDARSAN. S
93	201096	813817104094	B	SUDHARSHANA. V
94	201097	813817104095	B	SUGANYA ARAVAMUDAN
95	201098	813817104096	B	SUSHMAA. B
96	201099	813817104097	B	SUVETHA. S
97	201100	813817104098	B	SUVISHESIYA. B
98	201101	813817104099	B	SWETHA. S
99	201102	813817104100	B	TAMILVANI. D
100	201103	813817104101	B	THIYAGARAJAN. S
101	201104	813817104102	B	VAISHNAVI. M
102	201105	813817104103	B	VARSHINI. V
103	201106	813817104104	B	VEDHA. K
104	201107	813817104105	B	VEERA HARISH. M
105	201108	813817104106	B	VIGNESH. N
106	201109	813817104107	B	VIGNESHRAJ. S
107	201110	813817104108	B	VIGNESHWARAN. B
108	201111	813817104109	B	VIJAYABHASKAR. S
109	201112	813817104110	B	VIJAYARADHIKA. P
110	201113	813817104111	B	VIJETHA. J
111	201114	813817104112	B	VINOTHA. P
112	201115	813817104113	B	VISHNU PRIYA. S
113	201116	813817104114	B	VISHNU PRIYA. S
114	201117	813817104115	B	VISUVAS ALEX. J
115	201118	813817104023	B	INFANT REMI. J
116	201120	813817104302	B	BAGATH IBRAHIM. A
117	201125	813817104301	B	AJITH KUMAR. M
118	201129	813817104304	B	NANDHINI. V

  
Signature of HoD

  
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TRICHY - 12.




# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
1	221061	813819104060	B	NANDHINI. T
2	221062	813819104061	B	NIHILA. A
3	221063	813819104062	B	NISHANTHI. R
4	221064	813819104063	B	NITHIN. T
5	221065	813819104064	B	PRAIMATHI. K
6	221066	813819104066	B	PREETHI PRAKASH
7	221067	813819104065	B	PREETHI MAHESWARI. G
8	221068	813819104067	B	PRIYADARSHANI. S
9	221069	813819104068	B	PRIYADHARSHAN. Y
10	221070	813819104069	B	PRIYADHARSHINI. N K
11	221071	813819104070	B	RAGASUDHA. S
12	221072	813819104071	B	RAGUL. K
13	221073	813819104072	B	RAJARAJESHWARI. A
14	221074	813819104074	B	RAKSSHANNA. M P
15	221075	813819104075	B	RAMYA. S
16	221076	813819104076	B	RHUBIKA. M
17	221077	813819104077	B	ROHIT. M
18	221078	813819104078	B	ROSHAN AKTHAR. S
19	221079	813819104079	B	SABARI. P
20	221080	813819104080	B	SAHANA PARVEEN. M
21	221081	813819104081	B	SAMVARTHINI. C
22	221082	813819104082	B	SANGEETHA. R
23	221083	813819104083	B	SANJAY KUMAR. S
24	221084	813819104084	B	SANOFR FATHIMA. A R
25	221085	813819104085	B	SANTHOSH. S
26	221086	813819104086	B	SARANYA. R S
27	221087	813819104087	B	SASI KANTH. P
28	221088	813819104088	B	SATHISH KUMAR. V
29	221089	813819104089	B	SENTIL KUMARAN. J.L
30	221090	813819104090	B	SHEIMA LATHA . J

  
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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
31	221091	813819104091	B	SHERLIN RETNA. R
32	221092	813819104092	B	SHIVAANI. R
33	221093	813819104093	B	SHREE VATHSAN. R
34	221094	813819104094	B	SHRI VARDHINI. M
35	221095	813819104095	B	SIVARAM. N
36	221096	813819104096	B	SOMAKARTHI. P
37	221097	813819104097	B	SRIDEVI. J
38	221098	813819104098	B	SRIRAM GANESH. P
39	221099	813819104099	B	SRITHY. P
40	221100	813819104100	B	SUBASHREE. H
41	221101	813819104101	B	SUJA MARSHALIN. P
42	221102	813819104102	B	SUJITHA. T
43	221103	813819104103	B	SUJJIT. D S
44	221104	813819104104	B	SUNDARAM. M
45	221105	813819104105	B	SUNDARRAJAN. S
46	221106	813819104106	B	SUSHMITHA. R S
47	221107	813819104107	B	SUVEDHA. M
48	221108	813819104108	B	TAMIL SELVAN. P
49	221109	813819104109	B	THANGAM. A
50	221110	813819104110	B	THIRUMAALCHELVAN. R
51	221111	813819104111	B	THIYAGARAJAN. S
52	221112	813819104112	B	VAISHNAVI. B
53	221113	813819104113	B	VARUN. G A
54	221114	813819104114	B	VEERABALA. P
55	221115	813819104115	B	VIJAY PAUL RAJ. S
56	221117	813819104117	B	VINNARASAN. D
57	221118	813819104118	B	VISWANATHA SUBRAMANIAN.
58	221119	813819104119	B	YESHVAANTH. A
59	221121	813819104304	B	RAMABATHREN. L
60	221124	813819104303	B	HENRY JONES. P

  
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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
1	221001	813819104001	A	ABDUL MAJEED AHMAR PEER IBRAHIM. M
2	221002	813819104002	A	ABILASH. S
3	221003	813819104003	A	ABIRAMI. R
4	221004	813819104004	A	AHAMED JAMALDEEN. S
5	221005	813819104005	A	AHMED YAHYA. A
6	221006	813819104006	A	AISHVARIYAA. B B
7	221007	813819104007	A	AISHWARYA. P
8	221008	813819104008	A	AISWARYA. S.G
9	221009	813819104009	A	ALMAAS. T
10	221010	813819104010	A	ANUSHREE. A
11	221011	813819104011	A	ARCHANA. K
12	221013	813819104012	A	ARUNA. A P
13	221014	813819104015	A	ASHWIN KUMAR. JP
14	221015	813819104014	A	ASHWIN. R
15	221016	813819104016	A	ASWIN VISVESWAR. S
16	221017	813819104017	A	BALA SARAVANAN. C
17	221018	813819104018	A	BOOPATHI. N
18	221019	813819104019	A	BRUNDASHREE. R
19	221020	813819104020	A	BRUNDHA. S
20	221021	813819104021	A	CHETANAPPRIYA. K L
21	221022	813819104023	A	DEEPA KUMAR. G
22	221023	813819104022	A	DEEPAK. S
23	221024	813819104024	A	DHANALAKSHMI. M
24	221025	813819104025	A	DHEERAJ PRAKASH. S
25	221026	813819104026	A	DHIVAKAR. B
26	221027	813819104027	A	GAYATHRI. S
27	221028	813819104028	A	GIRI KARTHICK. GR
28	221029	813819104029	A	GOKUL. K
29	221030	813819104030	A	GOWRAV KRISHNA. V
30	221031	813819104031	A	GUHAN. S
31	221032	813819104032	A	HARESH KRISHNARAJ. R

  
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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
32	221033	813819104033	A	HARIDHANUSH. R
33	221034	813819104034	A	HARIHARAN. A T
34	221035	813819104035	A	HARINIVAS. SN
35	221036	813819104036	A	JEEVANANTHAM. T
36	221037	813819104037	A	JEMIMA BLESSY. R
37	221038	813819104038	A	JESILA FOUMIYA. Z
38	221039	813819104039	A	JUFIN HASSAN. H
39	221040	813819104040	A	KAREESHINI. S
40	221041	813819104041	A	KARISHMA BEGUM. M
41	221042	813819104042	A	KARTHICK. T
42	221043	813819104043	A	KARTHIKEYAN. S
43	221044	813819104044	A	KAVYA. M
44	221045	813819104073	A	RAJARATNAM KAWSHIKA
45	221046	813819104045	A	KEERTHIKA. E
46	221047	813819104046	A	KIRUTHIKA. J
47	221048	813819104047	A	KOUSIC. A
48	221049	813819104048	A	MADHUMITHA. R
49	221050	813819104049	A	MAHA LAKSHMI. P
50	221051	813819104051	A	MAHESWARAN. M
51	221052	813819104050	A	MAHESHWARAN. P
52	221053	813819104052	A	MANIMOZHI. N
53	221054	813819104053	A	MAYURI. K B
54	221055	813819104054	A	MICHAEL JONES. J
55	221056	813819104055	A	MUKESH MANIKANDAN. M
56	221057	813819104056	A	MUTHULAKSHMY. P
57	221058	813819104057	A	MUTHURAAJ. K J
58	221059	813819104058	A	NAGARAJ. R
59	221060	813819104059	A	NANCY PRICILLA. R
60	221120	813819104701	A	MANASHI. V J
61	221122	813819104301	A	DEEPIKA. S
62	221123	813819104302	A	HARSHINI. P

  
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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
1	211001	813818104001	A	ABARAJITHA VARMAN. M A
2	211002	813818104002	A	ABINANDHAN. D
3	211003	813818104003	A	ABITHA. I
4	211004	813818104004	A	ADAIKALA RAJ. A J
5	211005	813818104005	A	ADHIE. S
6	211006	813818104006	A	AISHWARYA. E
7	211007	813818104007	A	AJITHA. M
8	211008	813818104008	A	AKASH KUMAR. R
9	211009	813818104009	A	AKSHAY. S
10	211010	813818104010	A	ANUPAMA. S L
11	211011	813818104011	A	ARUN KUMAR. G
12	211012	813818104012	A	ARUN KUMAR. S
13	211013	813818104013	A	BALACHANDRAN. G
14	211014	813818104014	A	BASHEER AHMED. Y
15	211015	813818104015	A	BHARATHI. R
16	211016	813818104016	A	CHARAN JEETH. S
17	211017	813818104017	A	CHARUMATHI. P
18	211018	813818104018	A	DEEPIKA. K
19	211019	813818104019	A	DEVADHARSHINI. M
20	211020	813818104020	A	DHANUSH KUMAR. R
21	211021	813818104021	A	DHARSHINI. R
22	211022	813818104022	A	DINESH KUMAR. S
23	211023	813818104023	A	GIRIDHAR. B
24	211024	813818104024	A	GRITYKA. S R
25	211025	813818104025	A	HARINI. R
26	211026	813818104026	A	HARINI. S
27	211027	813818104027	A	HARISH. V
28	211028	813818104028	A	HARSHINI. S
29	211029	813818104029	A	HEARTINA LANCY. L X
30	211030	813818104030	A	HIDHAYATH NISHA. M I

  
Signature of HoD

  
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TRICHY - 12.




# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
31	211031	813818104031	A	JANANI. A S
32	211032	813818104032	A	JEEVAN ROHITH. A M
33	211033	813818104033	A	JESURIYA. D
34	211034	813818104034	A	JIM PATRICK. K
35	211035	813818104035	A	KANIMOZHI. C
36	211036	813818104036	A	KARTIK RAJ. T.S
37	211037	813818104037	A	KAVEYA. G
38	211038	813818104038	A	KAVI KUMARAN. S
39	211039	813818104039	A	KAVISWETHA. L
40	211040	813818104040	A	KAVIYA. P
41	211041	813818104042	A	KEERTHANA. M
42	211042	813818104043	A	KISHORE KUMAR. S
43	211043	813818104045	A	KRISHNA KUMAR. V
44	211044	813818104044	A	KRISHNA KUMAR. V
45	211045	813818104046	A	KUMARAVEL. K
46	211046	813818104047	A	LAKSHWANATH SABARISH. T
47	211047	813818104048	A	LOGITHA. B
48	211048	813818104049	A	MANIKANDAN. G
49	211049	813818104050	A	MANOJ MICHAEL RAJ. A
50	211050	813818104051	A	MARIYAMMAL. M
51	211051	813818104052	A	MOHAMED AARIF. S
52	211052	813818104053	A	MOHAMED JASIM. M
53	211053	813818104054	A	MOHAMED OMAR JAFRAN. M
54	211055	813818104056	A	MOSHMI. C S
55	211056	813818104057	A	MUTHURAJA. M
56	211057	813818104058	A	NAGESHWARAN. S
57	211059	813818104059	A	NAVEENA. S
58	211060	813818104061	A	NITHISH RAM. R
59	211061	813818104062	A	NIVEDHA. K

  
Signature of HoD

  
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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
1	211062	813818104063	B	PRADEEPA. J
2	211063	813818104064	B	PRASANNA VENKATESHWAR.
3	211064	813818104065	B	PRASHANTHI. B
4	211065	813818104066	B	PRIYADHARSAN. A S
5	211066	813818104067	B	PRIYANKA. P
6	211067	813818104068	B	PRIYANKA. S
7	211069	813818104070	B	RAM PRASATH. S
8	211070	813818104071	B	RAM PRASATH. S
9	211071	813818104073	B	RESHMA BANU. L
10	211072	813818104072	B	RESHMA. M
11	211073	813818104074	B	RINUSHA BANU. H
12	211074	813818104075	B	SAKTHI SUBRAMANIAM. K
13	211075	813818104076	B	SANJAY. R
14	211076	813818104077	B	SANJAY. S P
15	211077	813818104078	B	SANMUGI. A
16	211078	813818104079	B	SANTOSH KUMAR. R
17	211079	813818104080	B	SARAN. S
18	211080	813818104081	B	SARAN. T
19	211081	813818104082	B	SARATHKUMAR. C
20	211082	813818104083	B	SHARMILA. R
21	211083	813818104084	B	SHERWIN HAROLD . F
22	211084	813818104085	B	SHIFA SHUJAUDIN. .
23	211085	813818104086	B	SHUBA SHWETHA. K
24	211086	813818104087	B	SHUGEERTHA. D S
25	211090	813818104091	B	SONALI. P
26	211091	813818104092	B	SOWMIYA. S
27	211093	813818104093	B	SRINITHI. K
28	211094	813818104094	B	SRIRAM. S
29	211095	813818104096	B	SRIVATSAN. S
30	211096	813818104097	B	STEVE PHILIP. S

  
Signature of HoD

  
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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012

## Department of Computer Science and Engineering

### 2020-2021 Academic Year ADD-ON Course Enrollment List

S.No	Batchno	Reg No	Sec	Student Name
31	211097	813818104098	B	SUJITHA. T
32	211098	813818104100	B	SURYA PRAKASH. R
33	211099	813818104099	B	SURYAPRAKASH. S
34	211100	813818104101	B	SWATHI MEENAKSHI. M
35	211101	813818104102	B	SWETHA. R
36	211102	813818104103	B	THAMARAİKANI. J
37	211104	813818104106	B	VAISHNAVI DEVI. V
38	211105	813818104105	B	VAISHNAVI.A.R
39	211106	813818104107	B	VARSHINI. M
40	211107	813818104108	B	VARTHIHAHARSNI. M
41	211108	813818104109	B	VELUGANES. V S
42	211109	813818104110	B	VIDHYABHARATHI. V
43	211110	813818104112	B	VIGNESH MUTHU. K
44	211111	813818104111	B	VIGNESH. S
45	211112	813818104113	B	VINITH KARTHICK. V
46	211113	813818104114	B	VISHNU. C
47	211114	813818104115	B	VISHNU. M
48	211115	813818104116	B	VYKUNTH. S
49	211116	813818104117	B	YAMUNA. R
50	211117	813818104118	B	YAZHINI. R
51	211118	813818104119	B	YOGALAKSHMI. P
52	211119	813818104120	B	YUVANKARTTIK. A B
53	211120	813818104041	B	KAVIYA. V
54	211121	813818104121	B	PRAVEEN KUMAR. S
55	211122	813818104302	B	TUFAIL AHAMED . A R
56	211123	813818104301	B	MUSHARAF HUSSAIN. A

  
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**SARANATHAN COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**TIRUCHIRAPALLI - 620 012.**

**Date: 31.05.2020**

**Submitted to: The Principal**

**Through : The HOD/ECE**

**Sub: Requisition letter for conducting Workshop for Second year ECE Students during  
Lockdown days- Reg**

Respected Sir,

We are planning to conduct a Workshop on **“Practical Intro to image processing on Google Colab - Python Platform”** for second year ECE students during lock down days between 10.06.2020 and 12.06.2020, Timing 11.00 AM to 12.30 PM. This workshop will be useful for the students to explore about cloud serviced Google Colab which offers a free GPU for processing. We hereby attached the invitation and schedule for your kind perusal. We kindly request you to provide approval for the above mentioned workshop.

Thanking you

Regards,

Ms.A.Shamim Banu & Ms.V.Ramya/ AP/ECE

Date: 31.05.2020

## Workshop on “Practical Intro to image processing on Google Colab - Python Platform”

Date: 10.06.2020, 11.06.2020, 12.06.2020

Participants: Second year ECE students

**Course Co ordinators: Ms.A.Shamim Banu & Ms.V.Ramya/AP/ECE**

### **Benefits of the workshop**

- Gain a good exposure to the python and Google colab
- Fully Hands on experience
- Can use this experience to develop good projects in image processing domain
- E certificates to all the participants

### **Requirement for this online workshop**

Desktop computer or laptop with sufficient Internet speed.

### **Registration link**

[https://docs.google.com/forms/d/e/1FAIpQLSfuj00cDaqQ6RUK2O8x9WSko7L0wyMnQn6oJ1bWFj2cjiXm7g/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSfuj00cDaqQ6RUK2O8x9WSko7L0wyMnQn6oJ1bWFj2cjiXm7g/viewform?usp=sf_link)

**Date: 31.05.2020**

**No Registration Fee**

## **Workshop on “Practical Intro to image processing on Google Colab - Python Platform”**

### **Topics to be covered**

#### **Day 1**

Introduction to Digital Image Processing

Introduction to Python and Google colab Libraries

Fundamental of digital image- Colour Space RGB, Lab, Hsv

Data visualization – Line chart , Histograms , Box Plot

#### **Day 2**

Pre Processing of digital Images- Resizing, Gray scaling and image denoising

Thresholding- Simple, Adaptive , Otsu's Binarization.

Morphological Operations – Erode, Dilate

Edge Detection- Canny, sobel operators

#### **Day3**

Image segmentation using Water shed algorithm and K Means Clustering

Color Detection

Assessment Test to the participants



**SARANATHAN COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**TIRUCHIRAPALLI - 620 012.**

**Date: 31.05.2020**

Feedback about the workshop

**SARANATHAN COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ECE**  
**Practical Intro to image processing on Google Colab - Python Platform**  
**Quiz score**

S.No	Email Address	Batch Number	Name of the Student	Score
1	atshaya0106@gmail.com	212015	Atshaya R	18 / 30
2	kaviyasureshsk2000@gmail.com	212046	S. Kaviya	20 / 30
3	madheshshank00@gmail.com	212054	Madhesh.S	20 / 30
4	manodurga09@gmail.com	212057	V.Manodurga	Dec-30
5	kishorekeer7520@gmail.com	212050	G.Kishore	16 / 30
6	rdineshram2001@gmail.com	212027	R.Dinesh ram	22 / 30
7	rathnamuthukumar18@gmail.com	212077	M. Rathna	26 / 30
8	sandhinikrishnan143@gmail.com	212082	RUBIGA M	16 / 30
9	pavi29bala@gmail.com	212068	B.Pavitra	22 / 30
10	tejasaravanan13@gmail.com	212110	Tejaswini	16 / 30
11	kingsleyjoy0810@gmail.com	212049	KINGSLEY PATRICK JOY J	20 / 30
12	poojagomez111@gmail.com	212070	D.POOJA	22 / 30
13	dhaaranibalakrishnan0@gmail.com	212023	B. Dhaarani	24 / 30
14	preethimsi216@gmail.com	212073	Preethi.B	24 / 30
15	rithikaapillai236@gmail.com	212081	M.Rithikaa	22 / 30
16	nsnthsh50@gmail.com	212087	N.Santhosh	Dec-30
17	sharmiravi161@gmail.com	212093	R. Sharmila	18 / 30
18	jayapriyamehanathan@gmail.com	212036	Jayapriya.M	18 / 30
19	swathiravi1611@gmail.com	212109	Swathi IR	22 / 30
20	ssharmini.2000@gmail.com	212094	sharmini s	24 / 30
21	sathiyaababy1@gmail.com	212089	B.Sathya	24 / 30
22	abarnavetri10@gmail.com	212119	V.Gokila	20 / 30
23	charumahes2000@gmail.com	212021	M. Charudharshana	20 / 30
24	diravidamani2507@gmail.com	212028	M.Diravidamani	18 / 30
25	keerthugr30@gmail.com	212048	G.R.Keerthana	16 / 30
26	akshayaGodina@gmail.com	212009	Akshaya Godina	20 / 30
27	swasthikaraju@gmail.com	212108	Swasthika R	24 / 30
28	ajayajay5489@gmail.com	212008	S.Ajay	24 / 30
29	karthigs2000@gmail.com	212043	karthiga devi . g	16 / 30
30	abinayasammandam@gmail.com	212004	S.Abinaya	18 / 30
31	kavikavi2781@gmail.com	212045	KAVIMANI A	20 / 30
32	karishma.gs22@gmail.com	212042	G.karishma	20 / 30
33	rubycaroline2000@gmail.com	212019	Caroline Ruby	18 / 30
34	pbanu5057@gmail.com	212017	B.Banupriya	20 / 30
35	cavwindheepak30600@gmail.com	212020	Cavwin Dheepak R	20 / 30
36	varshaanetball@gmail.com	212114	M.varshaa	18 / 30
37	nigilesh14@outlook.com	212063	Nigilesh	22 / 30
38	janniferraj2829@gmail.com	212035	D. jannifer	20 / 30
39	dhanilakshu97@gmail.com	212025	J.Dhaniya lakshmi	22 / 30
40	kaaviyanagappan31@gmail.com	212062	Nagammai N	26 / 30
41	atchayarajendran116@gmail.com	212013	R. Atchaya	24 / 30
42	sriyadiv@gmail.com	212029	S.Divya Bharathi	24 / 30
43	amrkayisha2000@gmail.com	212001	M.Aaisha Thahseena	24 / 30
44	dhanavidhya0711@gmail.com	212024	G.Dhanavidhya	18 / 30
45	kskavya2000@gmail.com	212047	kavya.ks	24 / 30
46	jayashreesubha20@gmail.com	212037	Jayashree.RI	24 / 30
47	nirubanjeevarathinam@gmail.com	212065	Niruban	20 / 30
48	umaramki.er@gmail.com	212112	Uma Ramakrishnan	22 / 30
49	kadhirmoney12122000@gmail.com	212040	kadhirmani. s	18 / 30
50	rahman786786abdu@gmail.com	212002	ABDUL RAHMAN.M	22 / 30
51	rahulrio2001@gmail.com	212075	Rahul R	24 / 30
52	nikhilmanimaran23@gmail.com	212064	NIKHIL RAJ	12/30

<https://docs.google.com/forms/d/1Sx7Eu2AnKsLYRgij6q8cTmg3jIAfh7URJXCpF9TULCQk/edit#responses>

**SARANATHAN COLLEGE OF ENGINEERING**

**DEPARTMENT OF ECE**

**Practical Intro to image processing on Google Colab - Python Platform**

**ATTENDANCE ON 10.6.2020**

S.No	Student Name	Batch Number	e-mail address
1	M.Aaisha Thahseena	212001	amrkayisha2000@gmail.com
2	ABDUL RAHMAN M	212002	rahman786786abdul@gmail.com
3	S.ABINAYA	212004	abinayasammandam@gmail.com
4	A.AJAIPRAMOTH	212007	ajaipramothtvr@gmail.com
5	S.Ajay	212008	ajayajay5489@gmail.com
6	Akshaya Godina	212009	akshayagodina@gmail.com
7	R. Atchaya	212013	atchayarajendran116@gmail.com
8	Atshaya.R	212015	atshaya0106@gmail.com
9	Cavwin Dheepak	212020	cavwindheepak30600@gmail.com
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17	S.Divya Bharathi	212029	sriyadiv@gmail.com
18	R.Durgasri	212030	durgasri462@gmail.com
19	D. Jannifer	212035	Janniferaj2829@gmail.com
20	Jayapriya.M	212036	jayapriyamehanathan@gmail.com
21	Kadhirmani.S	212040	kadhirmoney12122000@gmail.com
22	G.karizhma	212042	karishma.gs22@gmail.com
23	karthiga devi .g	212043	karthigs2000@gmail.com
24	Karthikeyan	212044	karthiktmnt@gmail.com
25	KAVIMANI A	212045	kavikavi2781@gmail.com
26	S.Kaviya	212046	kaviyasureshsk2000@gmail.com
27	kavya.ks	212047	kskavya2000@gmail.com
28	G.R.Keerthana	212048	keerthugr30@gmail.com
29	Kingsley Patrick Joy J	212049	kingsleyjoy0810@gmail.com
30	Kishore	212050	kishorekeer7520@gmail.com
31	Madhesh S	212054	madheshshank00@gmail.com
32	V.Manodurga	212057	manodurga09@gmail.com
33	K.Mohamed Uwais	212061	mohameduwais22@gmail.com
34	Nagammai N	212062	kaaviyanagappan31@gmail.com
35	Nigilesh	212063	nigilesh14@outlook.com
36	NIKHIL RAJ.M	212064	nikhilmanimaran23@gmail.com
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38	D.POOJA	212070	poojagomez111@gmail.com
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42	RUBIGA M	212082	sandhinikrishnan143@gmail.com
43	N.Santhosh	212087	nsnthsh50@gmail.com
44	Santhosh. S	212088	santhoshsarav2@gmail.com
45	Sathya.B	212089	sathiyaababy1@gmail.com
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49	Swathi	212109	Swathiravi1611@gmail.com
50	Tejaswini	212110	tejasaravanan13@gmail.com
51	Varadakrishnan	212113	bkvarada59@gmail.com
52	M.varshaa	212114	varshaanetball@gmail.com

**SARANATHAN COLLEGE OF ENGINEERING**

**DEPARTMENT OF ECE**

**Practical Intro to image processing on Google Colab - Python Platform**

**ATTENDANCE ON 11.6.2020**

S.No	Student Name	Batch Number	e-mail address
1	M.Aisha Thahseena	212001	amrkayisha2000@gmail.com
2	ABDUL RAHMAN.M	212002	rahman786786abdul@gmail.com
3	S.Abinaya	212004	abinayasammandam@gmail.com
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6	Akshaya Godina	212009	akshayagodina@gmail.com
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8	Atshaya R	212015	atshaya0106@gmail.com
9	Banu priya	212017	pbanu5057@gmail.com
10	Caroline Ruby	212019	rubycaroline2000@gmail.com
11	Cavwin Dheepak R	212020	cavwindheepak30600@gmail.com
12	M. Charudharshana	212021	charumahes2000@gmail.com
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23	G.karishma	212042	karishma.gs22@gmail.com
24	karthiga devi .g	212043	karthigs2000@gmail.com
25	Kavimani A	212045	kavikavi2781@gmail.com
26	S. Kaviya	212046	kaviyasureshsk2000@gmail.com
27	kavya ks	212047	kskavya2000@gmail.com
28	G.R.Keerthana	212048	keerthugr30@gmail.com
29	Kingsley Patrick Joy J	212049	kingsleyjoy0810@gmail.com
30	G. Kishore	212050	kishorekeer7520@gmail.com
31	Mahesh.S	212054	madheshshank00@gmail.com
32	Manikandan	212056	manikandan1811@gmail.com
33	V.Manodurga	212057	manodurga09@gmail.com
34	Mohamed Uwais K	212061	mohameduwais22@gmail.com
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38	Niruban	212065	nirubanjeeverathinam@gmail.com
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41	Poornima	212071	poornimas013@gmail.com
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43	Rahul R	212075	rahulrio2001@gmail.com
44	M. Rathna	212077	rathnamuthukumar18@gmail.com
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48	B.Sathya	212089	sathiyaababy1@gmail.com
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50	sharmini.s	212094	ssharmini.2000@gmail.com
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52	Swathi	212109	swathiravi1611@gmail.com
53	Tejaswini	212110	tejasaravanan13@gmail.com
54	varadakrishnan B	212113	bkvarada59@gmail.com
55	M.varsha	212114	varshaanetball@gmail.com
56	Uma Ramakrishnan	212112	umaramki.er@gmail.com
57	Gokila.v	212119	



**SARANATHAN COLLEGE OF ENGINEERING**

**DEPARTMENT OF ECE**

**Practical Intro to image processing on Google Colab - Python Platform**

**ATTENDANCE ON 12.6.2020**

S.No	Student Name	Batch Number	e-mail address
1	M.Aaisha Thahseena	212001	amrkayisha2000@gmail.com
2	ABDUL RAHMAN.M	212002	rahman786786abdul@gmail.com
3	S.Abinaya	212004	abinayasammandam@gmail.com
4	A.AJAIPRAMOTH	212007	ajaipramothtvr@gmail.com
5	S.Ajay	212008	ajayajay5489@gmail.com
6	Akshaya Godina	212009	akshayagodina@gmail.com
7	R. Atchaya	212013	atchayarajendran116@gmail.com
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9	Banupriya.B	212017	bbanu5057@gmail.com
10	Caroline Ruby	212019	rubycaroline2000@gmail.com
11	Cavwin Dheepak R	212020	cavwindheepak30600@gmail.com
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13	B. Dhaarani	212023	dhaaranibalakrishnan0@gmail.com
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15	J.Dhaniya lakshmi	212025	dhanilakshu97@gmail.com
16	R.Dinesh ram	212027	rdineshram2001@gmail.com
17	M.Diravidamani	212028	diravidamani2507@gmail.com
18	S.Divya Bharathi	212029	sriyadiv@gmail.com
19	R.Durgasri	212030	durgasri462@gmail.com
20	D. Jannifer	212035	janniferraj2829@gmail.com
21	Jayapriya.M	212036	jayapriyamehanathan@gmail.com
22	Jayashree.RI	212037	jayashreesubha20@gmail.com
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25	karthiga devi .g	212043	karthigs2000@gmail.com
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33	V. Manodurga	212057	manodurga09@gmail.com
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37	Niruban	212065	nirubanjeeverathinam@gmail.com
38	B.pavitra	212068	pavi29bala@gmail.com
39	D.POOJA	212070	poojagomez111@gmail.com
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47	sharmini s	212094	ssharmini.2000@gmail.com
48	Swasthika R	212108	swasthikaraju@gmail.com
49	Swathi	212109	swathiravi1611@gmail.com
50	Tejaswini	212110	tejasaravanan13@gmail.com
51	Uma Ramakrishnan	212112	umaramki.er@gmail.com
52	varadakrishnan B	212113	bkvarada59@gmail.com
53	m.varshaa	212114	varshaanetball@gmail.com
54	V.Gokila.	212119	abarnavetri10@gmail.com

**SARANATHAN COLLEGE OF ENGINEERING**  
**DEPARTMENT OF ECE**  
**Practical Intro to image processing on Google Colab - Python Platform**  
**Feed back Given by students**

Email Address	Name of Participant	Batch Number	would you rate the	you prefer more	the quality of the	would you rate the	would you rate the	would you rate your	7. Do you have any suggestion(s) as to how we could improve similar programmes/activities in future?
a2000@gmail.com	Thahseen a	212002	3	4	3	3	4	3	No suggestion
rahman786786abdu@gmail.com	ABDUL RAHMAN, M	212002	4	5	4	4	5	5	Im not having any suggestion mam...the work shop was very useful and we can able to utilize these lock down days to gain some knowledge about something which we don't know at all..thank you mam
mmandam@gmail.com	S.Abinaya	212004	3	5	5	4	4	4	By giving some more time for practicing the program
89@gmail.com	S.Ajay	212008	5	5	5	5	5	5	Keep doing this kind of workshop its very useful to us!!
dina@gmail.com	Akshaya Godina	212009	5	5	4	5	4	4	No
endran116@gmail.com	R. Atchaya	212013	5	5	5	5	5	5	No
kar@gmail.com	Aathisankar	212014	4	4	4	4	3	3	Nothing
06@gmail.com	Atshaya R	212015	4	5	5	5	5	4	The timing of the workshop can be extend like for 3 hrs per day and so we can learn may more programs.
7@gmail.com	B.Banupriya	212017	5	4	4	5	4	5	It was so good and informative.
ne2000@gmail.com	Caroline Ruby	212019	4	5	5	5	4	5	Like to have more workshops like this
epak3060@gmail.com	Dheepak R	212020	4	5	4	4	4	5	I think more time can be given to explaining the programs, since many felt it to be new. Apart from that, it was good and interesting.
es2000@gmail.com	Charudhar shana	212021	5	5	4	5	5	5	No
alakrishna n0@gmail.com	B. Dhaarani	212023	5	5	5	5	5	5	You could conduct more workshops based on programing skills
ya0711@gmail.com	G.Dhanavathiya	212024	4	4	4	4	3	4	No..Felt good
u97@gmail.com	J.Dhaniya lakshmi	212025	4	4	4	4	4	4	Yes
m2001@gmail.com	R.Dinesh ram	212027	5	5	5	5	5	5	We want more useful programs like this in future
sriyadiv@gmail.com	S.Divya Bharathi	212029	3	4	4	3	5	3	No suggestion
2829@gmail.com	D. Jannifer	212035	4	5	5	5	5	4	Already it's the better way of teaching, but due to some network issues I can't get some points u told otherwise it's good mam ☺..thank you
ehananathan@gmail.com	Jayapriya, M	212036	5	5	5	5	5	5	Honestly this is very innovative and informative workshop ...I want some more useful workshops like this ...☺
ubha20@gmail.com	Jayashree Ri	212037	4	5	4	4	4	4	we expect more workshop like this
ey1212200@gmail.com	kadhirman i. s	212040	4	5	4	4	3	3	This need to be some more interactive
gs22@gmail.com	G.karishma	212042	4	5	4	4	4	3	Program should be briefly taught
00@gmail.com	Karthiga devi. g	212043	5	5	5	5	5	5	Same procedure can be followed as a spark this workshop was very interesting.
81@gmail.com	KAVIMAN I A	212045	5	5	5	5	5	5	It's good only. No any suggestions
shsk2000@gmail.com	S. Kaviya	212046	5	5	5	5	5	5	the staffs who took efforts for us to teach such an interesting and wonderful concept to us. We will really try to know more about this topic in order to get the basic more stronger.it was really very helpful.
00@gmail.com	kavya.ks	212047	4	4	4	4	4	4	We expect more workshop like this.
0@gmail.com	G.R.Keertana	212048	5	5	4	4	4	4	Nothing
y0810@gmail.com	Y PATRICK	212049	5	5	5	5	5	5	It would be easier for us if there are workshops and other activities on Saturday's in our college for gaining knowledge apart from syllabus.
r7520@gmail.com	G. Kishore	212050	4	5	5	5	4	4	Try to extend the period of the workshop. It will help to learn more topics
hank00@gmail.com	Madhesh. S	212054	4	4	4	4	3	3	If possible many ideas and examples could improve us further
ao9@gmail.com	V.Manodurga	212057	5	4	5	5	4	4	It is well and good for me
gappan31@gmail.com	Nagammai N	212062	5	4	5	5	5	4	No...the session was very useful
maran23@gmail.com	NIKKHIL RAJ	212064	4	3	3	4	4	4	None
varathina m@gmail.com	Niruban	212065	5	4	5	5	5	5	THIS WORKSHOP IS USEFUL FOR FURTHER WORKSHOPS WE EXPECT YOU TO GIVE MORE EXPLANATION ABOUT PROGRAM
@gmail.com	B pavitra	212068	4	5	4	4	5	4	Yes mam ,this course was useful and learning about an unknown topic is quite interesting and we can do go through workshops with different topics as well.
z111@gmail.com	D.POOJA	212070	4	3	4	4	4	4	---
216@gmail.com	Preethi.B	212073	5	5	4	4	4	4	No more suggestions mam....only the quality of the network can be improved .
01@gmail.com	Rahul R	212075	4	5	5	4	4	4	Can give more examples to a program...
hukumar18@gmail.com	M. Rathna	212077	4	4	4	4	4	4	Give some aliter method to executive program
ai236@gmail.com	M.Rithikaa	212081	4	4	5	4	4	4	Except for a few network issues everything went well during the workshop.
shnan143@gmail.com	RUBIGA M	212082	4	4	5	4	4	4	I except more workshops like this.
@gmail.com	N.Santhosh	212087	4	4	5	5	4	4	Useful and need more with short days courses
by1@gmail.com	B.Sathya	212089	4	4	4	4	5	3	I have no suggestions now itself it's very good maybe the time duration can be extended for learning more like having two sessions a day
161@gmail.com	R. Shamila	212093	4	4	4	5	4	4	Audio clarity
2000@gmail.com	sharmini s	212094	5	5	5	4	5	4	yes , we atr interested in learning similar activities in future
1611@gmail.com	Swathi IR	212109	4	5	4	4	5	4	Breaking of voice can be reduced...other than that ..it's a very usefull informative session
nan13@gmail.com	Tejaswini	212110	4	4	5	4	4	4	No, the way of teaching by the staff members was very good.
er@gmail.com	Ramakrishnan	212112	5	5	5	5	5	3	No mam..i think this was more than enough.☺
tball@gmail.com	M.varshaa	212114	4	5	5	4	4	4	Its good & i request you to have workshop on Artificial Intelligence
r10@gmail.com	V.Gokila	212119	5	5	4	5	5	5	No
@outlook.com	Nigilesh	212063	5	5	5	5	5	5	This workshop is very much useful for me. In future the materials can be provided at the earliest for our reference as this could save some plenty of time and we could explore more. Ppt can also be sent to students after the workshop finished.

<https://docs.google.com/spreadsheets/d/1tv8qnlEBOaK3t8BspzRG-C4ho3oGNR4g45CXbBNPgM/edit#gid=1872868914>



# **SARANATHAN COLLEGE OF ENGINEERING, TRICHY-621112**

## **Department of ECE**

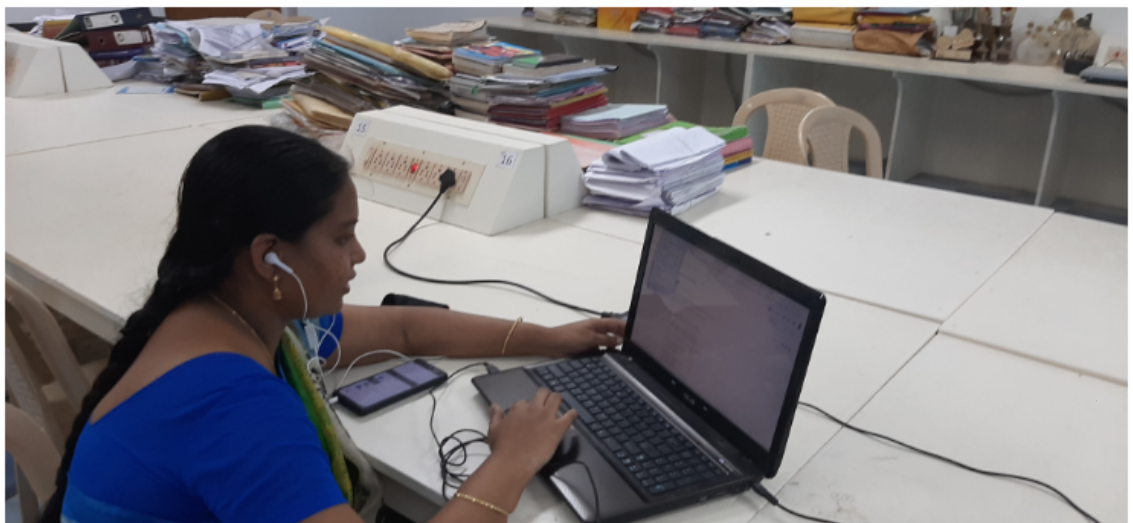
**12.06.2020**

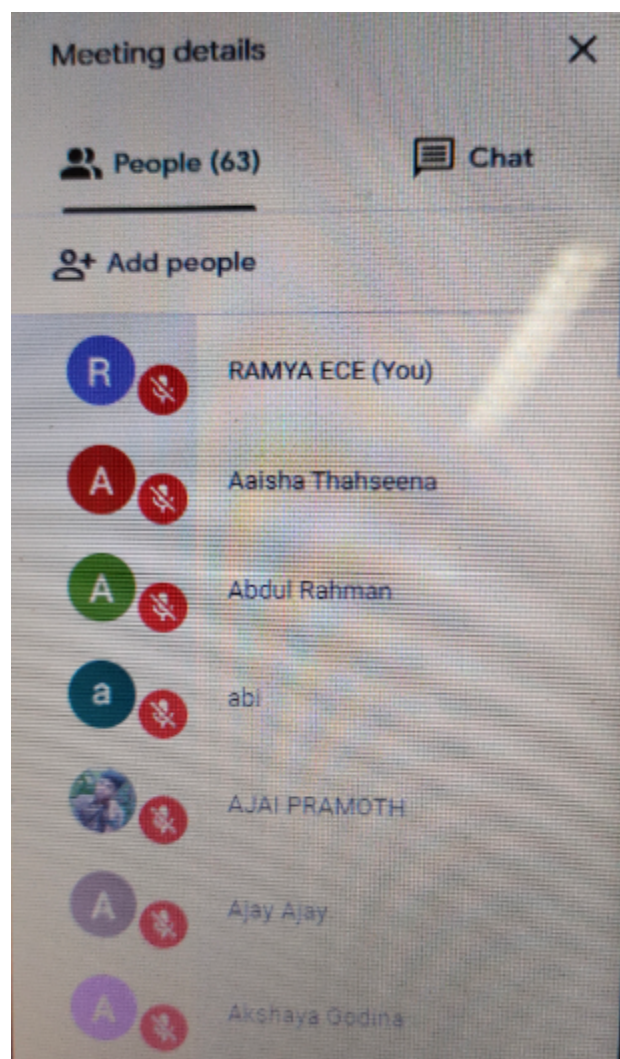
During COVID19 pandemic, Department of ECE organized an online workshop on **“Practical Intro to Image Processing on Google Colab - Python Platform”** between 10.06.2020 and 12.06.2020 during 11.00 A.M to 12.30 P.M. In this workshop, 54 students of second year ECE actively participated.

In this workshop, Basic concepts, Morphological operations, Thresholding, Binarization, Edge detection and Segmentation algorithms of Image Processing and programming on Google Colab in python Platform were discussed. At the end of the workshop, online quiz was conducted to assess the performance to the students.

To motivate their continuous learning in this domain, they are insisted to do a project and submit the same on 17.06.2020(Wednesday).

**Some snaps during the workshop**









# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjapur, Tiruchirappalli-620012.

*Department of Electronics and Communication Engineering*

## *Certificate Of Participation*

This is to certify that Mr/Ms **M.Aaisha Thahseena** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
**Ms.A.Shamim Banu &**  
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This is to certify that Mr/Ms **ABDUL RAHMAN M** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S.ABINAYA** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **A.AJAIPRAMOTH** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S.Ajay** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **Akshaya Godina** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **R.Atchaya** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **B.Banu priya** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **Caroline Ruby** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **Cavwin Dheepak** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **M. Charudharshana** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **B.Dhaarani** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **M.Diravidamani** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S.Divya Bharathi** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **R.Durgasri** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **D. Jannifer** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms M. Jayapriya of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **Jayashree.RI** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S.Kadhirmani** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **G.karishma** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **G. karthiga Devi** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **A.KAVIMANI** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S.Kaviya** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **KS.Kavya** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **G.R.Keerthana** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **J. Kingsley Patrick Joy** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S. Madhesh** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **Manikandan** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **K.Mohamed Uwais** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **D.Nigilesh** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **B.Preethi** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
**Ms.A.Shamim Banu &**  
**Ms. V.Ramya**  
**AP-ECE**

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# SARANATHAN COLLEGE OF ENGINEERING

Venkateswara Nagar, Panjapur, Tiruchirappalli-620012.

*Department of Electronics and Communication Engineering*

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This is to certify that Mr/Ms **R.Rahul** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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**Ms. V.Ramya**  
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This is to certify that Mr/Ms **M. Rathna** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
**Ms.A.Shamim Banu &**  
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This is to certify that Mr/Ms **M.Rithikaa** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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**Ms.A.Shamim Banu &**  
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This is to certify that Mr/Ms **RUBIGA M** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **N.Santhosh** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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**Ms. V.Ramya**  
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This is to certify that Mr/Ms **B.Sathya** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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**Ms. V.Ramya**  
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This is to certify that Mr/Ms **R.Sharmila** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **S.Sharmini** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **R.Swasthika** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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This is to certify that Mr/Ms **Swathi. IR** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
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**Ms. V.Ramya**  
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This is to certify that Mr/Ms **S.Tejaswini** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
**Ms.A.Shamim Banu &**  
**Ms. V.Ramya**  
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This is to certify that Mr/Ms **R.Uma** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

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**Ms. V.Ramya**  
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This is to certify that Mr/Ms **B.Varadakrishnan** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
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**Ms. V.Ramya**  
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This is to certify that Mr/Ms **M.Varshaa** of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
**Ms.A.Shamim Banu &**  
**Ms. V.Ramya**  
**AP-ECE**

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This is to certify that Mr/Ms V. Gokila of Second year ECE Student attended the Online Workshop on “Practical Intro to Image Processing on Google Colab - Python Platform” *from 10.06.2020 to 12.06.2020.*

**Co-ordinators**  
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**Ms. V.Ramya**  
**AP-ECE**

**Convenor & Head/ECE**  
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**Dr.D.Valavan**

**SARANATHAN COLLEGE OF ENGINEERING**  
**DEPARTMENT OF IT**  
**DETAILS OF STUDENTS REGISTERED FOR NPTEL**  
**COURSES 2020-2021**

Operating Systems

s.no	Name
1	S.Keerthana
2	R.Aarthikha
3	MOHAN RAM M
4	Kiruthika.K
5	SINDHUJA J
6	S.Harini
7	S.Suriyanad
8	S.Shahin Ashra
9	S.K.Divyaa
10	Sri Jane A
11	Karolin Kiruba R
12	Kishan i
13	Neekitha C
14	Rabeka S
15	M. KEERTHANA

Programming in Java

s.no	Name
1	KALAIARASU T
2	Kaavya R
3	Seeni Arivazhakan
4	Nisha.M
5	Rajamurugan.M
6	V.Ganesh
7	Samyuktha C
8	Aswini Devi.B
9	. Arsah A
10	Ratnakumar A
11	ABISHEK A S
12	Rahul.R
13	Viwin Rojan P
14	Naraesh Archun K
15	prajith
16	T.Prithika
17	S.Manoj Deepak
18	Srinivasan.M.A
19	Ajet ganapathy.A
20	A.Indhumathi



### Introduction to AI

s.no	Name
1	.S.R.Harsha varthan
2	Devi.E
3	Kishore MG
4	Ramachandran A
5	S.Abinaya
6	Kalpana.S
7	S.Harini
8	MOHAN RAM M

### Design and Analysis of Algorithms

s.no	Name
1	S.Keerthana
2	R.Aarthikha
3	Nisha.M
4	Karolin Kiruba R
5	.Kishan i
6	Neekitha C
7	M. KEERTHANA

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KEERTHANA S  
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KOIL(PO)  
MANNACHANALLUR(TK)  
TRICHY  
TAMILNADU - 621216  
PH. NO :8524800534



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for successfully completing the course

**Programming in Java**

with a consolidated score of **80** %



Online Assignments	24.56/25	Programming Exam	23.25/25	Proctored Exam	32/50
--------------------	----------	------------------	----------	----------------	-------

Total number of candidates certified in this course: **3157**

Prof. G P Raja Sekhar  
Dean, Continuing Education  
IIT Kharagpur

Sep-Dec 2020  
(12 week course)

Prof. Debjani Chakraborty  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur





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This certificate is awarded to

**AARTHIKHA R**

for successfully completing the course

**Programming in Java**

with a consolidated score of **87** %



Online Assignments	24.31/25	Programming Exam	23.25/25	Proctored Exam	39.75/50
--------------------	----------	------------------	----------	----------------	----------

Total number of candidates certified in this course: **3157**

**Prof. G P Raja Sekhar**  
Dean, Continuing Education  
IIT Kharagpur

Sep-Dec 2020  
(12 week course)

**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



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This certificate is awarded to

**NISHA MARIAPPAN**

for successfully completing the course

**Programming in Java**



with a consolidated score of **80** %

Online Assignments	24.88/25	Programming Exam	25/25	Proctored Exam	30/50
--------------------	----------	------------------	-------	----------------	-------

Total number of candidates certified in this course: **1448**

**Prof. G P Raja Sekhar**  
Dean, Continuing Education  
IIT Kharagpur

**Jan-Apr 2021**  
(12 week course)

**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL21CS03S14460272

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