

# K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109  
DEPARTMENT OF COMPUTER SCIENCE & DESIGN



## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – MINI SANITARY PAD VENDING MACHINE**” presented by **A S N Sreeya, USN: IKS21CG001** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

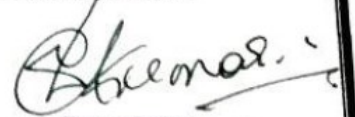
**INTERNAL GUIDE / HOD**



Dr. Deepa S R,  
Professor & Head, Dept. of CS&D,  
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Head of the Department  
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**PRINCIPAL**



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Dr. Dilip Kumar K,  
Principal / Director,  
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# K. S. INSTITUTE OF TECHNOLOGY

No.14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109



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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN

### CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – Smart traffic guard: IoT- based red light violation detection system**” presented by **Abhilasha Patil, USN: 1KS21CG003** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway - Smart Traffic Guard: IoT – Based Red Light Violation Detection System**” presented by **Anagha Shastry, USN: IKS21CG004** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway - Bidirectional visitor counter**” presented by **Arpitha G R**, USN: **1KS21CG006** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**Wi-Fi Controlled Car**” presented by **B H Ruchira**, USN: **1KS21CG007** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “Wifi controlled smart car” presented by **Badari Prasad, USN: 1KS21CG008** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**Django fullstack Development**” presented by **Bharath R** , USN: **1KS21CG009** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled "IOT Edge and Gateway – CAR PARKING AND ALERT SYSTEM" presented by CHALLA DEEPIKA ,USN: IKS21CG011 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – Sanitary Vending Machine**” presented by **Deepika S, USN: 1KS21CG013** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – GPS Tracker**” presented by **Deepthi G B, USN: 1KS21CG014** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled "IOT Edge and Gateway - TOLL GATE" presented by **Dhanush B K**, USN: 1KS21CG015 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled "IOT Edge and Gateway-Smart Waste Management" presented by DIVYA T, USN: 1KS21CG016 of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

#### Internal Guide

Dr Deepa S R

#### HOD

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Dr. Deepa S R Professor and Head, Dept. of CSD

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Prof. and Head, Dept. of CSD

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway - Bidirectional visitor counter**” presented by **G.YOGIRAM** , USN: **1KS21CG018** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – CAR PARKING AND ALERT SYSTEM**” presented by **Hemanth M ,USN: 1KS21CG020** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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### CERTIFICATE

This is to certify that the Innovation Internship Training entitled "**Wifi controlled smart car**" presented by **Govind V Shetty**, USN: 1KS21CG019 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway - TOLL GATE**” presented by **Karthik C S, USN: 1KS21CG021** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “IOT Edge and Gateway-sensored spector” presented by **KEERTHANA L**, USN: 1KS21CG022 of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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**Principal**

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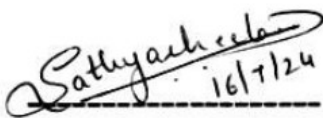
## CERTIFICATE

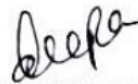
This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-sensored spector**” presented by **KEERTHANA S , USN: 1KS21CG023** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

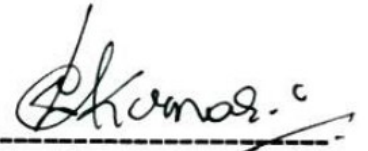
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**Principal**

  
16/7/24





**Asst.prof Sathya Sheela**

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – GPS Tracker**” presented by **KEERTHANA.S.D**, USN: **1KS21CG024** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**GAS LEAKAGE DETECTOR**” presented by **Kusum Pakira, USN: 1KS21CG026** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

**INTERNAL GUIDE**

**H.O.D**

**PRINCIPAL**

13/7/24

Prof. Ammu Bhuvana D,  
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Dr. Deepa S R,  
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DEPARTMENT OF COMPUTER SCIENCE & DESIGN



## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Smart Door Locking System**” presented by **Neha MR**, USN: **1KS21CG028** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

**Internal Guide**

**HOD**

**Principal**

*Sathya Sheela D*

*16/7/2024*

**Prof. Sathya Sheela.D,**  
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*Deepa*

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This is to certify that the Internship Training entitled “Automatic Water Dispenser” presented by **Nishanth G K, USN: 1KS21CG029** of 6th Semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway - Smart traffic guard: IoT – based red light violation detection system**” presented by **Pavithraa G, USN: 1KS21CG030** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-sensored spector**” presented by **PRATEEK CH** , USN: **1KS21CG031** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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**Principal**

Asst.prof Sathya Sheela

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This is to certify that the Innovation Internship Training entitled “IOT Edge and Gateway - TOLL GATE” presented by RAYALA SAI PRAKASH , USN: 1KS21CG033 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – GPS Tracker**” presented by **Riya Nair, USN: 1KS21CG034** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – Sanitary Vending Machine**” presented by **Sanjana Sreenivas, USN: 1KS21CG035** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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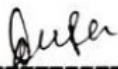
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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Smart Waste Management**” presented by **SANJANA V** , USN: **1KS21CG036** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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**Principal**



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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – SMART IRRIGATION SYSTEM**” presented by **Sanjay P,USN:1KS21CG037** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “IOT Edge and Gateway-Smart Waste Management” presented by SATHYA SAI SRI B S, USN: 1KS21CG038 of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – GPS Tracker**” presented by **Savya Shree S, USN: 1KS21CG039** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – GPS Tracker**” presented by **SHALINI B, USN: 1KS21CG040** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Smart Door Locking System**” presented by **SHISHIRA MOHAN**, USN: **1KS21CG041** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Gas Leakage Detector**” presented by **Shivani Adhikari**, USN:1KS21CG042 of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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**Ammu Bhuvana,**

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**Wifi controlled smart car**” presented by **Shreyas G** , USN: **1KS21CG043** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

**INTERNAL GUIDE**

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN

### CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – SMART IRRIGATION SYSTEM**” presented by **Shreyas M, USN:1KS21CG044** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

**INTERNAL GUIDE**

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN

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This is to certify that the Innovation Internship Training entitled “IOT Edge and Gateway – Smart traffic guard: IoT – based red light violation detection system” presented by **SHRUSTIK RAJ**, USN: **1KS21CG045** of 6th semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – SMART IRRIGATION SYSTEM**” presented by **SUDARSHAN BABU ,USN:1KS21CG046** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**SENSORED SPECTOR**” presented by **Sumana R, USN: 1KS21CG047** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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### CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – SMART IRRIGATION SYSTEM**” presented by **Tarun Jangir, USN:1KS21CG049** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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### CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway - Bidirectional visitor counter**” presented by **Thanuja B, USN: 1KS21CG050** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled "IOT Edge and Gateway – CAR PARKING AND ALERT SYSTEM" presented by Thejas B S ,USN: 1KS21CG051 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

**INTERNAL GUIDE**

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DEPARTMENT OF COMPUTER SCIENCE & DESIGN



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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – MINI SANITARY PAD VENDING MACHINE**” presented by **Vaishnavi S, USN: 1KS21CG053** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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### CERTIFICATE

This is to certify that the Innovation Internship Training entitled “IOT Edge and Gateway – CAR PARKING AND ALERT SYSTEM” presented by Varshitha S ,USN: 1KS21CG054 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “IOT Edge and Gateway – SMART IRRIGATION SYSTEM” presented by **Vignesh U, USN:1KS21CG057** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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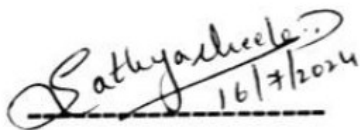
## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-sensored spector**” presented by **VYSHNAVI S N**, USN: **1KS21CG058** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

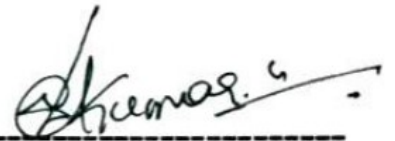
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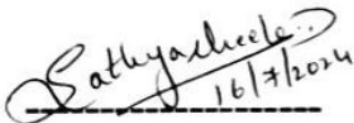
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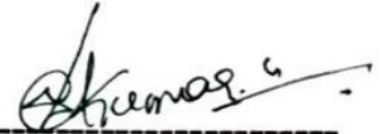
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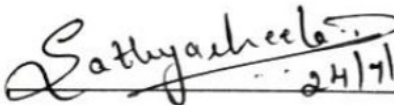
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This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway – DOOR LOCKING SYSTEM**” presented by **Yeddulapalli Sahithi**, USN: **1KS21CG059** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

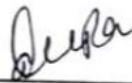
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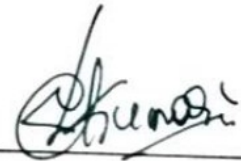
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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled "IOT Edge and Gateway-Gas Leakage Detector" presented by Arun A , USN:IKS22CG400 of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Gas Leakage Detector**” presented by **Chandrasekar A**, USN:1KS22CG401 of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Smart Door Locking System**” presented by **Mayurganapati S Badgeri USN: 1KS22CG402** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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*Deepa*

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## CERTIFICATE

This is to certify that the Innovation Internship Training entitled “**IOT Edge and Gateway-Smart Door Locking System**” presented by **Nandish KS USN: 1KS22CG403** of 6<sup>th</sup> semester in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**GAS LEAKAGE DETECTOR**” presented by **Purushotham V Mitti, USN: 1KS22CG404** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

**INTERNAL GUIDE**

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This is to certify that the Innovation Internship Training entitled “**AUTOMATIC WATER DISPENSER**” presented by **Puttur Praveen Kumar**, USN: **1KS22CG405** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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## DEPARTMENT OF COMPUTER SCIENCE & DESIGN CERTIFICATE

This is to certify that the Innovation Internship Training entitled "IOT Edge and Gateway - TOLL GATE" presented by Sharath.N, USN: 1KS22CG406 of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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DEPARTMENT OF COMPUTER SCIENCE & DESIGN

## CERTIFICATE

This is to certify that the Internship Training entitled “Automatic Water Dispenser” presented by **Shruthi M**, USN: **1KS22CG407** of 6th Semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year 2023-24. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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This is to certify that the Innovation Internship Training entitled “**AUTOMATIC WATER DISPENSER**” presented by **Sushil Waghmare**, USN: **1KS22CG408** of 6th semester in partial fulfilment of the award of Bachelor of Engineering in Computer Science & Design in Visvesvaraya Technological University, Belagavi during the academic year **2023-24**. The Internship Training has been approved as it satisfies the academic requirements in respect of Internship Training work prescribed for the Bachelor of Engineering degree.

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