K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

This is to certify that the Innovation Internship Training entitled **"Django fullstack Development"** presented by **Abdus Salaam I , USN: 1KS21CG002** 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**

Prof Wasim Yasin,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department   PRINCIPAL

Computer Science & Design   K.S. INSTITUTE OF TECHNOLOGY

K.S. Institute of Technology   BENGALURU - 560 109.

Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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.

INTERNAL GUIDE   H.O.D   PRINCIPAL

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design   K.S. INSTITUTE OF TECHNOLOG
K.S. Institute of Technology   BENGALURU - 560 109.
Bengaluru - 560 109.

PRINCIPAL

K. S. INSTITUTE OF TECHNOLOGY

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

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: 1KS21CG004** 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**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design   K.S. INSTITUTE OF TECHNOLO
K.S. Institute of Technology   BENGALURU - 560 109.
Bengaluru - 560 109.

PRINCIPAL

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway – MINI SANITARY PAD VENDING MACHINE"** presented by **ANKITHA DEVLOKAM, USN: 1KS21CG005** 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,
K.S.I.T, Bengaluru

PRINCIPAL

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Prof. Ammu Bhuvana,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLO
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Prof. Ammu Bhuvana,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOL
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL

Prof Wasim Yasin,
ASSISTANT Professor, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Deepa S R,
Professor & Head, Dept. of CS&D,
K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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 **CHALLA DEEPIKA ,USN: 1KS21CG011** 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**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Deepa S R,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOG
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Desig.
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOG
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department   PRINCIPAL
Computer Science & Design   K.S. INSTITUTE OF TECHNOLOG
K.S. Institute of Technology   BENGALURU - 560 109.
Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-Smart Waste Management"** presented by **DIVYA T, USN: 1KS21CG016** 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.

Internal Guide	**HOD**	**Principal**
Dr Deepa S R	Dr. Deepa S R	Dr. Dilip Kumar. K
Prof. and Head, Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T Bengaluru	K.S.I.T Bengaluru

Head of the Department
Dr. Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway - TOLL GATE"** presented by **G Pradeep** , USN: **1KS21CG017** 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**

Dr. Surekha Byakod,

Associate Professor, Dept. of CS&D,

K.S.I.T, Bengaluru

Dr. Deepa S R,

Professor & Head, Dept. of CS&D,

K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar K,

Principal / Director,

K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,

ssociate Professor, Dept. of CS&D,

K.S.I.T, Bengaluru

Dr. Deepa S R

Head of the Department
Computer Science & Design
Professor & Head, Dept. of CS&D,
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar K,

Principal / Director,

K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

KSIT
K S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
		PRINCIPAL K.S. INSTITUTE OF TECHNOLOGY BENGALURU - 560 109
Prof. Ammu Bhuvana,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design   K.S. INSTITUTE OF TECHNOLOGY
K.S. Institute of Technology   BENGALURU - 560 109.
Bengaluru - 560 109.

PRINCIPAL

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL

Dr. Surekha Byakod,
Associate Professor, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Deepa S R,
Professor & Head, Dept. of CS&D,
K.S.I.T, Bengaluru
Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-sensored spector"** presented by **KEERTHANA L , USN: 1KS21CG022** 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.

Internal Guide	**HOD**	**Principal**
Asst.prof Sathya Sheela	**Dr. Deepa .S.R**	**Dr. Dilip Kumar. K**
Prof., Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T. Bengaluru	K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

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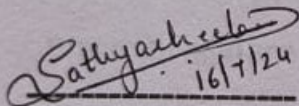
DEPARTMENT OF COMPUTER SCIENCE & DESIGN
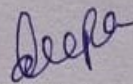
CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-sensored spector"** presented by **KEERTHANA S , USN: 1KS21CG023** 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.
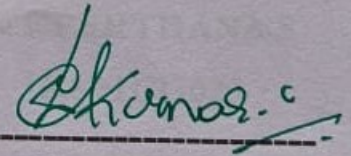
Internal Guide	**HOD**	**Principal**
Sathyasheela 16/7/24	_Deepa_	_Kumar.c_
Asst.prof Sathya Sheela	Dr. Deepa .S.R	Dr. Dilip Kumar. K
Prof., Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T. Bengaluru	K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway - Bidirectional visitor counter"** presented by **Kushal.M J** , **USN: 1KS21CG025** 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

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   **Professor & Head, Dept. of CS&D,**   **Principal / Director,**

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,	**Professor & Head, Dept. of CS&D,**	**Principal / Director,**
K.S.I.T, Bengaluru	**K.S.I.T, Bengaluru**	**K.S.I.T, Bengaluru**

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

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 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.

Internal Guide	**HOD**	**Principal**
Sathya Sheela	*Deepa*	*Kumar*
16/7/2024	Head of the Department Computer Science & Design K.S. Institute of Technology Bengaluru - 560 109.	PRINCIPAL K.S. INSTITUTE OF TECHNOLOGY BENGALURU - 560 109.
Prof. Sathya Sheela.D, Dept. of CSD, K.S.I.T. Bengaluru	Dr. Deepa.S.R Professor and Head, Dept. of CSD K.S.I.T. Bengaluru	Dr. Dilip Kumar. K Principal/Director K.S.I.T. Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL

Dr. Surekha Byakod,
Associate Professor, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Deepa S R,
Professor & Head, Dept. of CS&D,
K.S.I.T, Bengaluru
Head of the Department
Computer Science & Desig
K.S. Institute of Technolog
Bengaluru - 560 109.

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-sensored spector"** presented by **PRATEEK CH , USN: 1KS21CG031** 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.

Internal Guide	HOD	Principal
Asst.prof Sathya Sheela	Dr. Deepa .S.R	Dr. Dilip Kumar. K
Prof., Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T. Bengaluru	K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"Wifi controlled smart car"** presented by **Preetham H V , USN: 1KS21CG032** 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**

Prof. Ammu Bhuvana,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,   **Professor & Head, Dept. of CS&D,**   **Principal / Director,**
K.S.I.T, Bengaluru   **K.S.I.T, Bengaluru**   **K.S.I.T, Bengaluru**

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design K.S. INSTITUTE OF TECHNOLOGY
K.S. Institute of Technology   BENGALURU - 560 109.
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Head of the Department
Computer Science & Design
K.S. Institute of Technology

K. S. INSTITUTE OF TECHNOLOGY

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

K S I T

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Deepa S R,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-Smart Waste Management"** presented by **SANJANA V , USN: 1KS21CG036** 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.

Internal Guide	**HOD**	**Principal**
Dr Deepa S R	Dr. Deepa S R	Dr. Dilip Kumar. K
Prof. and Head, Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T Bengaluru	K.S.I.T Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

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 **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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Prof. Sushma A,
Associate Professor, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Deepa S R,
Professor & Head, Dept. of CS&D,
K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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 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.

Internal Guide	**HOD**	**Principal**
Dr Deepa S R	Dr. Deepa S R	Dr. Dilip Kumar. K
Prof. and Head, Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T Bengaluru	K.S.I.T Bengaluru

Head of the Department.
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   **Dr. Deepa S R,**   **Dr. Dilip Kumar K,**

Associate Professor, Dept. of CS&D,   **Professor & Head, Dept. of CS&D,**   **Principal / Director,**

K.S.I.T, Bengaluru   **K.S.I.T, Bengaluru**   **K.S.I.T, Bengaluru**

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

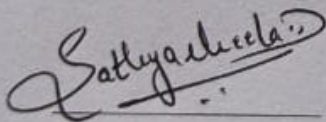## DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-Smart Door Locking System"** presented by **SHISHIRA MOHAN**, USN: **1KS21CG041** 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.
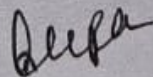
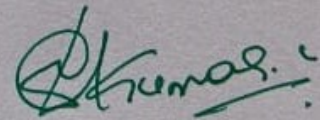**Internal Guide**   **HOD**   **Principal**

Prof. Sathya Sheela.D,

Dept. of CSD,

K.S.I.T. Bengaluru

Dr. Deepa.S.R

Professor and Head,

Dept. of CSD

K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar. K

Principal/Director

K.S.I.T. Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

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 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.

Internal Guide	**HOD**	**Principal**
Ammu Bhuvana,	Dr. Deepa .S.R	Dr. Dilip Kumar. K,
Associate Prof, Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T. Bengaluru	K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

I

K. S. INSTITUTE OF TECHNOLOGY

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

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	H.O.D	PRINCIPAL

Prof. Ammu Bhuvana,
Assistant Professor, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Deepa S R,
Professor & Head, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOG
BENGALURU - 560 109.

...e Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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   **H.O.D**   **PRINCIPAL**

Prof. Sushma A,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

K S I T
K S INSTITUTE OF TECHNOLOGY

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 **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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY

K. S. INSTITUTE OF TECHNOLOGY

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

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL

Prof. Sushma A,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"SENSORED SPECTOR** presented by **Sumana R, USN: 1KS21CG047** 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.

Internal Guide	**HOD**	**Principal**
		PRINCIPAL K.S. INSTITUTE OF TECHNO BENGALURU-560 10
Dr. Surekha Byakod	Dr. Deepa .S.R	Dr. Dilip Kumar. K
Assistant Prof., Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T. Bengaluru	K.S.I.T. Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"Web Development-Wildlife Sanctuary Website"** presented by **Sumanth.v.shet** , USN: **1KS21CG048** 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**

Prof Wasim Yasin,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru
                              Head of the Department   PRINCIPAL
                              Computer Science & Design   K.S. INSTITUTE OF TECHNOLO
                              K.S. Institute of Technology   BENGALURU - 560 109.
                              Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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 **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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Prof. Sushma A,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE	**H.O.D**	**PRINCIPAL**

Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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	**H.O.D**	**PRINCIPAL**
Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

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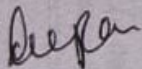
DEPARTMENT OF COMPUTER SCIENCE & DESIGN

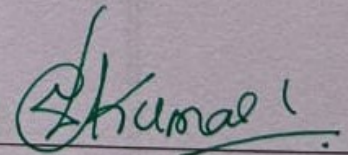## DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway – MINI SANITARY PAD VENDING MACHINE"** presented by **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.

INTERNAL GUIDE & HOD   **PRINCIPAL**

Dr. Deepa S R,
Professor & Head, Dept. of CS&D,
K.S.I.T, Bengaluru

Dr. Dilip Kumar K,
Principal / Director,
K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

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 **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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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 **Varshitha Sridhar, USN: 1KS21CG055** 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**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department   PRINCIPAL
Computer Science & Design   K.S. INSTITUTE OF TECHNOLOG
K.S. Institute of Technology   BENGALURU - 560 109.
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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 **Vidheesha TM ,USN: 1KS21CG056** 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**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

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 **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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Prof. Sushma A,   Dr. Deepa S R,   Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,
K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

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 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.

Internal Guide	**HOD**	**Principal**
_16/7/2024_		
Asst.prof Sathya Sheela	**Dr. Deepa .S.R**	**Dr. Dilip Kumar. K**
Prof., Dept. of CSD	Professor and Head, Dept. of CSD	Principal/Director
K.S.I.T. Bengaluru	K.S.I.T. Bengaluru	K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLC
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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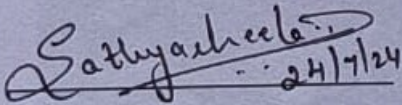

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

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.
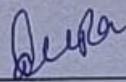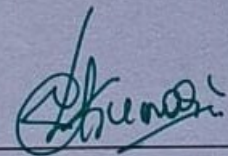
INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

_24|7|24_

Prof Sathya Sheela,   **Dr. Deepa S R,**   **Dr. Dilip Kumar K,**

Assistant Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOG
BENGALURU - 560 109,

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

CERTIFICATE

This is to certify that the Innovation Internship Training entitled **"IOT Edge and Gateway-Gas Leakage Detector "** presented by **Arun A , USN:1KS22CG400** 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.

Internal Guide   **HOD**   **Principal**

Ammu Bhuvana,

Associate Prof, Dept. of CSD

K.S.I.T. Bengaluru

Dr. Deepa .S.R

Professor and Head, Dept. of CSD

K.S.I.T. Bengaluru
Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

Dr. Dilip Kumar. K,

Principal/Director

K.S.I.T. Bengaluru
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

I

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

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 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.

Internal Guide   **HOD**   **Principal**

Ammu Bhuvana, D   Dr. Deepa .S.R   Dr. Dilip Kumar. K,
Associate Prof, Dept. of CSD   Professor and Head, Dept. of CSD   Principal/Director
K.S.I.T. Bengaluru   K.S.I.T. Bengaluru   K.S.I.T. Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

I

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

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 **Mayurganapati S Badgeri USN: 1KS22CG402** 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.

Internal Guide	**HOD**	**Principal**
Sathya Sheela D	*Deepa*	*signature*
16/7/24		
Prof. Sathya Sheela,	Dr. Deepa.S.R	Dr. Dilip Kumar. K
Dept. of CSD,	Professor and Head,	Principal/Director
K.S.I.T. Bengaluru	Dept. of CSD	K.S.I.T. Bengaluru
	K.S.I.T. Bengaluru	

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109

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 **Nandish KS USN: 1KS22CG403** 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.

Internal Guide	**HOD**	**Principal**

Sathya Sheela.D

16/7/2024

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109

Prof. Sathya Sheela.D,
Dept. of CSD,
K.S.I.T. Bengaluru

Dr. Deepa.S.R
Professor and Head,
Dept. of CSD
K.S.I.T. Bengaluru

Dr. Dilip Kumar. K
Principal/Director
K.S.I.T. Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

KSIT
K S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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	**H.O.D**	**PRINCIPAL**

Prof. Ammu Bhuvana D,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Assistant Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

K S I T
K S INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

K. S. INSTITUTE OF TECHNOLOGY

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

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.

INTERNAL GUIDE   **H.O.D**   **PRINCIPAL**

Dr. Surekha Byakod,   Dr. Deepa S R,   Dr. Dilip Kumar K,

Associate Professor, Dept. of CS&D,   Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

K. S. INSTITUTE OF TECHNOLOGY

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

DEPARTMENT OF COMPUTER SCIENCE & DESIGN

<u>CERTIFICATE</u>

This is to certify that the Innovation Internship Training entitled **"AUTOMATIC WATER DISPENSER "** presented by **Sushil Waghamare , 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.

INTERNAL GUIDE	H.O.D	PRINCIPAL
Dr. Surekha Byakod,	Dr. Deepa S R,	Dr. Dilip Kumar K,
Associate Professor, Dept. of CS&D,	Professor & Head, Dept. of CS&D,	Principal / Director,
K.S.I.T, Bengaluru	K.S.I.T, Bengaluru	K.S.I.T, Bengaluru

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: 1KS21CG001** 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   **PRINCIPAL**

Dr. Deepa S R,   Dr. Dilip Kumar K,

Professor & Head, Dept. of CS&D,   Principal / Director,

K.S.I.T, Bengaluru   K.S.I.T, Bengaluru

Head of the Department
Computer Science & Design
K.S. Institute of Technology
Bengaluru - 560 109.