



NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

INTERNSHIP- 2019-2020

Rubrics

Parameter	>70%	40 to 70%	<40%
Presentation	1.Complete description about the company and the specific department 2.Appropriate skills acquired as intern 3.Adaquate usage of practical tools 4.Proper explanation of the work carried out with good presentation skill	1.Limited description about the company and the specific department 2.Limited skills acquired as intern 3.Limited usage of practical tools 4. Limited explanation of the work carried out with no proper flow in presentation	1.No description about the company and the specific department 2.No proper skills acquired as intern 3.No proper usage of practical tools 4.No explanation of the work carried out and lack of presentation skill
Report	Submission of report on time as per internship guidelines	Submission of report on time but guidelines are not followed properly	No timely submission of report and guidelines are also not followed properly



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
INDUSTRY INTERNSHIP DETAILS(2019-2020)

Sl.No	USN	Name of the Student	Area of Internship	Organization/Company
1	1NH15EC024	Harsha E	Pharmaceutical Store	JMR INFOTECH
2	1NH16EC001	A M Amarjith	BER Tuning in Optical Fibre Communication	IEEE Photonics
3	1NH16EC002	Abhishek Kumar Deshetti	training on enovoa 3ds	Capgemini
4	1NH16EC003	Aditya C	Overview of Metro	BEML
5	1NH16EC004	Afzal Hussain	Prototype of a FlightGear	HAL
6	1NH16EC005	Akhil Josef	Application Development	HEXAWARE
7	1NH16EC006	Akhilesh Varma Kalidindi	Training on ENOVIA 3D experience	Capgemini
8	1NH16EC007	Akshay Rao	Verification methodology	Compute Silicon
9	1NH16EC008	Anmol Kumar	VLSI-FPGA	NAL
10	1NH16EC009	Anoop.A	software development	HEXAWARE
11	1NH16EC010	Anusha H N	Embedded system	Relentless systems
12	1NH16EC011	Arun.P	Verification methodology	Compute silicon
13	1NH16EC012	Athira Ajayakumar Kullully	Experimentation and development of Neural Networks for OCR	QuEST Global
14	1NH16EC014	B Srikanth Reddy	machine learning and artificial intelligence	Inventeron
15	1NH16EC015	Bhaskar Choudhury	Bank Management System	JMR INFOTECH
16	1NH16EC016	Bipin Dixit.H	BER Tuning in Optical Fibre Communication	IEEE Photonics
17	1NH16EC017	Kiran C A	Embedded c	Uniq technology
18	1NH16EC018	Aruna C	Embedded Systems	Relentless Systems
19	1NH16EC019	C.Leharika	Design and Development of Smart Power Systems for buildings	QuEST Global
20	1NH16EC020	Chethan S	Digital marketing	Oreo Technologies Pvt Ltd
21	1NH16EC023	Deepak Ku. Pradhan	Bi tool & python(Data Analytics)	Covance India Pharmaceutical Service Limited
22	1NH16EC024	Deepthi R	Embedded Systems	Relentless Systems
23	1NH16EC025	Dennis Vincent Paulraj	Verification Methodology	Compute Silicon
24	1NH16EC028	Ellinki Jahnvi	Hybrid App Development	Esay Step In
25	1NH16EC030	G Avinash	IT Administration	Knowledge Lens
26	1NH16EC031	Girish Jattu Gouda	PCB manufacturing process	Southern chips and circuits Ltd
27	1NH16EC032	Hari Prasad.R	PCB manufacturing process	Southern chips and circuits Ltd
28	1NH16EC033	Harsh Srivastava	Design and development of advanced driver machine interface for Locomotives	QuEST Global
29	1NH16EC034	Jagadeesh.D	Software development	Hexaware
30	1NH16EC035	Janani.B.R	Project Management	VMware Software India
31	1NH16EC036	K Girivardhan	Verification Methodology	Compute Silicon
32	1NH16EC037	Kalamadi Sreelekha	Embedded Systems	Uniq Technologies
33	1NH16EC040	Kishore N	Helicopter MRO Division	HAL
34	1NH16EC041	K. Venkata Mounish Reddy	Software Development	Easy Step In

35	1NH16EC042	Korvi Chandra Kiran Reddy	machine learning and artificial intelligence	Inventeron
36	1NH16EC043	Kushi Ponnamma.K.P	VLSI - FPGA	NAL
37	1NH16EC044	Lalithambha S M	Hybrid App Developent	Esay Step In
38	1NH16EC046	Sachit M	Digital marketing	Oreo Technologies Pvt Ltd
39	1NH16EC047	Madan Gowda.M	Embedded Systems	India Infotech
40	1NH16EC048	Madhu M Devamane	Verification Methodology	Compute Silicon
41	1NH16EC049	Manjula.S	Study of combat aircrafts and their Electronic systems	HAL
42	1NH16EC050	Manjunath N	Embedded Systems	India Infotech
43	1NH16EC052	Maurya Reddy Y	Eagle on Mindsphere	QuEST Global
44	1NH16EC053	Meghashree H M	Study of combat aircrafts and their Electronic systems	HAL
45	1NH16EC054	Meghana V	Study Abroad programs	Esigelec(Study abroad program)
46	1NH16EC055	Meghashree R	Digital marketing	Oreo Technologies Pvt Ltd
47	1NH16EC056	Misbah Tabassum Aejaz	Embedded Systems	Relentless Systems
48	1NH16EC057	Mithun.V	IoT engineer	knowledge lens
49	1NH16EC058	Mohammed Anas	Training on ENOVIA 3D experiance	Capgemini
50	1NH16EC059	Mohammed Farooqh Pasha	Digital marketing	Oreo technologies Pvt Ltd
51	1NH16EC060	Mohit R	Embedded Systems	TechnoFly Solutions
52	1NH16EC062	Mujeer Pasha	Digital marketing	Oreo Technologies Pvt Ltd
53	1NH16EC063	Maheshwari N	student management system	Jmr Infotech
54	1NH16EC135	Akula Anil Bharath	machine learning and artificial intelligence	Inventeron
55	1NH16EC137	Anupoju Sai Venkat Thrimurthy	Hybrid App Development	Easy Step In
56	1NH16EC138	Ashish Kumar . S	Virtual Radar	HAL
57	1NH16EC139	Karthik . K. S	Embedded Systems	India Infotech
58	1NH17EC402	Arathi .V	Embedded system	Relentless systems
59	1NH17EC403	Bhavani . V	Embedded system	Relentless systems
60	1NH17EC412	Kiran . R	Overview of metro	BEML
61	1NH17EC423	Rajasha . T . A	Embedded system and developer	Telavarge communication private limited
62	1NH17EC429	Supritha H . D	Embedded system	Relentless systems
63	1NH15EC063	Nishant S	masters in embedded systems	ESIGELEC
64	1NH15EC093	Sare Saisandeep	OVERVIEW OF ESD	PROLOTECH LIT
65	1NH16EC064	Neha Mahesh	Solar power system design,operation and installation	Trident power Solutions
66	1NH16EC066	Nishu Dubey	MATLAB	India Infotech
67	1NH16EC067	Nitesh K	Overview of Metro Assembling	BEML
68	1NH16EC068	Nithin.E	PCB manufacturing process	Southern chips and circuits Ltd
69	1NH16EC070	Mahalakshmi P	LIBRARY MANAGEMENT SYSTEM	JMR INFOTECH
70	1NH16EC071	Deepak P S	Embedded C	Uniq Technologies
71	1NH16EC072	Parithosh Vema	Networking Trainings & Project (Client roaming Visualizer)	Cisco
72	1NH16EC075	Pooja Shantaram Nayak	MATLAB	India Infotech
73	1NH16EC076	Prajwal.T.J	Overview of metro train assembling	BEML
74	1NH16EC077	Pranay Reddy S	Overview of metro train assembling	BEML
75	1NH16EC078	Prashanth Gowda.R.S	Verification methodology	Compute Silicon

76	1NH16EC079	Praveen Kumar S	Verification methodology	Compute Silicon
77	1NH16EC080	Preshika J M	Overview of Metro Train Assembling	BEML
78	1NH16EC081		Overview of Metro Train Assembling	BEML
79	1NH16EC082	R.Pavan Raj	Overview of Metro Train Assembling	BEML
80	1NH16EC083	Rajvardhan	Airport System	Chennai International Airport
81	1NH16EC084	Rakshitha N	Overview of Metro Train Assembling	BEML
82	1NH16EC085	Roshini.M	Networking Trainings & Project based on L2,L3 Multicast troubleshooting Bot	CISCO
83	1NH16EC086	Rushab.S.G	BCH encoder and decoder	ADA
84	1NH16EC087	Sai Kiran	Study of combat aircrafts and their Electronic systems	HAL
85	1NH16EC088	Sai Prashanth	maintaince of car brake systems	QUEST GLOBAL
86	1NH16EC089	S P Saaju	IIOT & PROJECT(Smart Garbage Collection System)	QUEST GLOBAL
87	1NH16EC090	Sagar	Embedded C	India infotech
88	1NH16EC092	Sannapaneni Pavani	WBAN inter-body	Konigrantics Private Limited
89	1NH16EC093	Shaik Noorulla Basha	Airport System	Chennai International Airport
90	1NH16EC094	Shaikh Asif	Matlab	India Infotech
91	1NH16EC095	Shashank B	Networking Trainings & Project based on L2,L3 Multicast troubleshooting Bot	
92	1NH16EC096	Shravin.R.Sekhar	Big Data and Cloud Computing.	Knowledge Lens
93	1NH16EC097	Shripad Aithal	Energy Auditing	Shreyas Engineers
94	1NH16EC098	Siddesh Jalageri	SOLAR POWER SYSTEM DESIGN, OPERATION AND INSTALLATION	TRIDENT POWER SOLUTION
95	1NH16EC099	Jagan Mohan Reddy	Embedded C	Uniq Technologies
96	1NH16EC100	Sidramappa	Embedded C	India Infotech
97	1NH16EC101	Sindhu C R	Embedded system	Relentless Systems
98	1NH16EC102	Siva Challa	Matlab	India Infotech
99	1NH16EC103	Spoorthy.G	Software Application Development	Hexaware Technologies
100	1NH16EC105	Sushma Chikkur	4 PORT GSM	Digiadd
101	1NH16EC106	T.E.Habishek	Networking Training and Project (One Click Configuration)	Cisco systems India
102	1NH16EC107	T.Sai Deepthi	Embedded Systems	Relentless Systems
103	1NH16EC109	Udit Bahuguna	Airport System	Chennai International Airport
104	1NH16EC110	Varun Mishra	Airport System	Chennai International Airport
105	1NH16EC112	Veena K	Embedded System	Relentless systems
106	1NH16EC113	Vidya Vishnu	Embedded System	unique system
107	1NH16EC114	Vijay C	Embedded Systems	TechnoFly Solutions
108	1NH16EC115	Vijay Kumar C	Matlab	India Infotech
109	1NH16EC116	Vijay S	Master's (Embedded systems)	Study Abroad Program
110	1NH16EC118	Vishwanath Veeranna	4 PORT GSM	Digiadd
111	1NH16EC119	W M Magdoom Fuaad	Overview of metro train assembling	BEML
112	1NH16EC120	Yathin S		Study aboard program
113	1NH16EC122	Yeshwanth J M	Embedded C	India Infotech
114	1NH16EC124	Yeshwanth.M	PCB manufacturing process	Southern chips and circuits Ltd
115	1NH16EC125	Yeshwanth.M.L	PCB manufacturing process	Southern chips and circuits Ltd
116	1NH16EC128	Simon Chauhan		
117	1NH16EC129	Ashok Choudhary	Embedded C	Uniq Technologies
118	1NH16EC130	M.V.K Bharath	Virtual Radar	HAL

119	1NH16EC131	Namratha Praksah	Overview of Metro Train Assembling	BEML
120	1NH16EC133	Sridhar. P	Overview of Metro Train Assembling	BEML
121	1NH16EC430	Vijay Kumar Y Valmiki	IOT	Tech Fortune Technologies
122	1NH17EC401	Akshay Gambhir Sadalagi	BCH encoder and decoder	ADA(aeronautical development agency)
123	1NH17EC407	Gururaj Shivashankar Natikar	IOT	Tech Fortune Technologies
124	1NH17EC410	Jyothi Chandrashekar	Embedded Systems	Relentless systems
125	1NH17EC426	Sachin . M	Overview of Metro Train Assembling	BEML
126	1NH17EC427	Shambuling . Patil	Embedded systems	Indian Infotech
127	1NH17EC430	Sushmitha	Banking management system	JMR INFOTECH
128	1NH14EC001	Abhijith S Raj	Overview of metro train assembling	BEML
129	1NH14EC744	Gourav K	Overview of metro train assembling	BEML
130	1NH14EC748	Narendra Kumar U		
131	1NH15EC434	Sudhanya S	Device Drivers	Vayavya Labs
132	1NH15EC701	Abhishek Vp	Backend SQL Development	Comportement Software Pvt. Ltd.
133	1NH15EC707	Deepak Tomslee	IOT based home automation control systems	Digiadd technologies
134	1NH15EC715	Manoj Chandrashekar Mali	IOT based home automation control systems	Digiadd technologies
135	1NH15EC717	Nallam Venkata Sai Balakrishna	Overview of ESD	Prototech LIT
136	1NH15EC720	Pavan Kumar S	IOT Based home automation control system	Digiadd Technologies
137	1NH15EC759	Vishnu N U		
138	1NH16EC702	Abhishek Khot	Embedded Systems	Indian infotech
139	1NH16EC703	Abhishek Pattajoshi	Prototype of a FlightGear	HAL
140	1NH16EC704	Abu Bakar Siddiq	Training on ENOVIA 3D experience	Capgemini
141	1NH16EC705	Akshay.V	Embedded Systems	Hydoline Products
142	1NH16EC706	Ammidal Vishnu Vikas	Embedded systems	Relentless systems
143	1NH16EC707	Anita Chauhan	Web Development	Hexaware Technologies
144	1NH16EC708	Anju Gopinath	Web Development	Hexaware technologies
145	1NH16EC710	B Vamshi Krishna Reddy	Embedded systems	India Infotech
146	1NH16EC711	Balaji L	Embedded systems	India Infotech
147	1NH16EC713	Chirag S	Embedded system	Relentless systems
148	1NH16EC714	Gagana M R	Programmable Logic Controller	BHEL Ltd.
149	1NH16EC715	Gowri Sneha Priya S	Big data analytics and Machine learning	BEL
150	1NH16EC716	Gurram Venkata Nikesh	Hybrid App Development	Easy Step In
151	1NH16EC717	Harshita.P	Programmable Logic Controller	BHEL Ltd.
152	1NH16EC718	Jeevan.K	Sales Force Dot Com (SFDC)	Capgemini Technology Services
153	1NH16EC719	Mithun Kumar	Embedded Systems	India Infotech
154	1NH16EC720	Kiran Sagar N P	Data Analytics and Machine Learning	Konigtronics Pvt Ltd
155	1NH16EC722	Lingraj Jamkhandi	Cubesat	TSC technologies Pvt Ltd
156	1NH16EC723	M Anisha	BDE	Extramarks education Pvt Ltd
157	1NH16EC724	M Priyadarshini	The Aircraft Division	HAL
158	1NH16EC725	Msvv Ritvik	manufacturing of transformers	Sri Shanthaveera Transformers
159	1NH16EC726	Manjunath T	Embedded Systems	India Infotech

160	1NH16EC727	Mansoor Elahi	networking and data	KonIGTRONICS PVT LTD
161	1NH16EC728	Mohammed Zeeshan Ali	Prototype of a FlightGear	HAL
162	1NH16EC729	Siva Nagamuni Reddy	Cloud solution framework	Easy Step In
163	1NH16EC730	Mounika E	Embedded systems	Uniq technologies
164	1NH16EC731	N Thilak Prasad	Embedded Systems	India Infotech
165	1NH16EC733	Nawaz Khan	Matlab	India Infotech
166	1NH16EC734	Nisha Anandu Naik	Matlab	India infotech
167	1NH16EC735	Niveditha N	The Aircraft Division	HAL
168	1NH16EC736	Niveditha R	The Aircraft Division	HAL
169	1NH16EC738	Pavithra.N	The Aircraft Division	HAL
170	1NH16EC739	Pawan Kumar Srivastava	Predictive Maintenance (PdM) for Wind Turbine Rotor	Quest Global
171	1NH16EC740	Pooja P Chouhan	Web development	Hexaware Technologies
172	1NH16EC741	Praveen Kumar. R	BDE	Extramarks Education Pvt Ltd
173	1NH16EC742	Rachana.S	Overview of metro train assembling	BEML
174	1NH16EC743	K Raghavendra	Digital twin for water domain	Quest Global
175	1NH16EC744	Ramya.R	Big data analytics and machine learning	BEL
176	1NH16EC745	Reddy Shekar.B.S	Embedded systems	Uniq technologies
177	1NH16EC746	Ruchika Pradeep	Matlab	India Infotech
178	1NH16EC747	S.Saravana	Embedded system	India infotech
179	1NH16EC748	S Shyam	FMCD	NAL
180	1NH16EC749	Shriya.G	Embedded system	Netapp
181	1NH16EC750	Sindhu A	Verification Methodology	Compute Silicon
182	1NH16EC751	Smitha B S	Big data analytics and machine learning	BEL
183	1NH16EC752	Swathi K	iLens	Knowledge Lens
184	1NH16EC753	T.R. Bhoomika	Data Analytics and Machine Learning	Real Time Signals Technologies Pvt.Ltd
185	1NH16EC754	Tarun Sai Reddy	Cubesat	TSC technologies Pvt Ltd
186	1NH16EC755	Ulthi Kedarnath	UI page	Settlin
187	1NH16EC756	Yeshaswini K M	Study Abroad program	Esigelec (Study abroad program)
188	1NH16EC757	Yuvashree R	Cloud solution framework	Easy step in
189	1NH16EC758	Praveen.S	Study Abroad programs	Esigelec(Study abroad program)
190	1NH16EC759	Shashank Rao.M	Machine Analysis and Data Compilation	Bosch
191	1NH17EC404	Chiranjeevi . K	IOT	Tech Fortune Technologies
192	1NH17EC405	B . N Chithrasree	Embedded system	Relentless systems
193	1NH17EC408	Janardhana . T	Embedded system	Relentless systems
194	1NH17EC409	Jayanth . V	Overview of metro train assembling	BEML
195	1NH17EC411	B . J Kowsalya	SPDU	NAL
196	1NH17EC415	Manasa . C	Custom layout	SOCDV TECHNOLOGY
197	1NH17EC416	Manoj . R	Embedded system	India Infotech
198	1NH17EC418	Naveen Kumar K J	Embedded systems	Uniq technologies
199	1NH17EC421	Raghu . R	safe ride	Quest Global
200	1NH17EC422	Rahul Jain	IOT	Tech Fortune Technologies
201	1NH17EC424	Rakesh Kumar . T	Embedded systems	Uniq technologies

ESIGELEC

Technopôle du Madrillet
Avenue Galilée
76000 Saint Etienne du Rouvray – France

CERTIFICATE

I undersigned, Prof. Etienne CRAVE, General Manager of ESIGELEC, certify that :
Nishant SURESH BABU

has been hosted in our School of Engineering from September 16 to November 29, 2019.
He took part in an exchange programme between ESIGELEC in France and New Horizon College of Engineering in India.

Saint-Etienne du Rouvray, December 9, 2019.

Signature of the receiver

Prof. Etienne CRAVE
General Manager of ESIGELEC



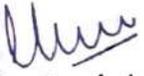
11th March, 2020

TO WHOMSOEVER IT MAY CONCERN

Subject: Internship certificate

This is to certify that, **Sudhanya Shivapujimath (USN No: 1NH15EC434)** from EC department, New Horizon College of Engineering, Bengaluru, has done their internship at Vayavya Labs Private Limited from January 9th January 2020 to 24th February 2020 as stipulated by their curriculum.

For Vayavya Labs Pvt.Ltd.



Uma Bondada,
V.P Engineering



Vayavya Labs Pvt. Ltd.

CERTIFICATE OF INTERNSHIP FROM THE ORGANIZATION

**COMPORTEMENT
SOFTWARE
PRIVATE
LIMITED**

#61, Sri Sadan (1st Floor), 6th Cross,
27th Main, 1st Sector, HSR Layout,
Bangalore, KA-560102

Telephone: +91 9886800870
Email: anoopmr@comportement.in

Date - 16/03/2020

TO WHOMSOEVER IT MAY BE CONCERN

This is to certify that **Abhishek VP** ("Intern") has undertaken internship project from our organization **Comportement Software Private Limited** ("Company") from **February 18, 2020 to March 16, 2020**.

During the internship, Intern has undertaken project **"BACKEND SQL DEVELOPMENT PROJECT"** under the mentor guidance of **Mr. Anoop Malaya Ramachandra (Director, COMPORTEMENT SOFTWARE PRIVATE LIMITED)** and the project report is being submitted to **New Horizon College of Engineering, Bangalore** by **Abhishek VP (Roll Number: - 1NH15EC701)** in partial fulfillment for awarding degree of **Bachelor of Engineering in Electronics and Communication**.

The project work should be used to solely for academic purpose. The source code of the project is not issued to the intern as per the company policy.

We wish him Good Luck for his further endeavors.

Anoop Malaya Ramachandra,
Founder and Director



For all future queries contact at -<https://www.comportement.in/> or utilize QR code for easy access.

For any clarification, please feel free to contact the undersigned.
To utilize the QR code for your mobile access, please download a QR code reader app.

DIGIADD

Technologies

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CERTIFICATE OF COMPLETION

This is to verify that **Mr. MANOJ** bearing USN **(1NH15EC715)**, a bonafide student of **NEW HORIZON COLLEGE OF ENGINEERING**, Bangalore has successfully completed his internship Project on domain "Internet of Things (IOT)" and project titled "Home Automation" under the guidance and supervision of Mr. Faizan Shukur Technical Head, DIGIADD TECHNOLOGIES Bangalore, from Feb 01st 2020 to March 20th 2020 in partial fulfillment for the award of Bachelor of Engineering (B E) from Visveswaraya Technological University, Belgaum.

"We wish him all the best in his future endeavors"

Mr. Sridhar P

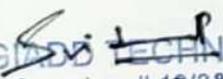
DIGIADD TECHNOLOGIES
Yes Complex, # 193&4, 2nd Floor
Dinur Main Road, R.T. Nagar Post
BANGALORE - 560 032

CERTIFICATE OF COMPLETION

This is to verify that **Mr. PAVAN KUMAR S** bearing USN **(1NH15EC720)**, a bonafide student of **NEW HORIZON COLLEGE OF ENGINEERING**, Bangalore has successfully completed his internship Project on domain "Internet of Things (IOT)" and project titled "Home Automation" under the guidance and supervision of Mr. Faizan Shukur Technical Head, DIGIADD TECHNOLOGIES Bangalore, from Feb 01st 2020 to March 20th 2020 in partial fulfillment for the award of Bachelor of Engineering (B E) from Visveswaraya Technological University, Belgaum.

"We wish him all the best in his future endeavors"

Mr. Sridhar P


DIGIADD TECHNOLOGIES
Yes Complex, # 19/3&4, 2nd Floor
Dinnur Main Road, R.T. Nagar Post
BANGALORE - 560 032

INTERNSHIP CERTIFICATE

This is to certify that

A.M AMARJITH (1NH16EC001) of New Horizon College of Engineering, Bangalore,

has undertaken *the Photonics Students Internship and Mentoring Program* during 22 July 2019-11 January 2020, and completed it successfully.

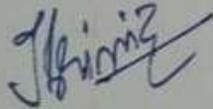
Project title: *Bit Error Rate Tuning in Optical Fiber Communications.*

Mentor: *Dr. K Narayan, Sai Vidya Institute of Technology, Bangalore.*

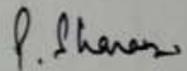
The overall performance of student based on the interest, regularity, the technical report and presentation is:

Poor/ Satisfactory/ Good/ Excellent. ✓

The *Photonics Students Internship and Mentoring Program* is supported and coordinated by IEEE Photonics society Bangalore Chapter to motivate and create interest among students in area of photonics and applications.



Dr. T. Srinivas, IISc,
Chair, Review Committee,
IEEE Photonics Internship



Dr. Preeta Sharan
Student Activity Chair,
IEEE Photonics Internship

VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
Autonomous College Permanently Affiliated to VTU Approved by
AICTE Accredited by NAAC with 'A' grade

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

CERTIFICATE

This is to certify that the internship work entitled **IoT Engineering** carried out by **Mr.**

Abhishekumar, USN **1NH16EC002** a bonafide student of **New Horizon College of Engineering** in partial fulfilment for the award of Bachelor of Engineering / Bachelor of

Technology in **Electronics and Communication Engineering** of the Visveswaraya Technological University, Belgaum during the year **2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

GUIDE

Dr. PIRUTHIVIRAJ P

HOD

Dr. SANJEEV SHARMA

PRINCIPAL

Dr. MANJUNATHA

NAME OF THE EXAMINERS

SIGN WITH DATE

- 1.
- 2.

Corporate Office :

BEML SOUDHA',
23/1, 4th Main Road, S. R. Nagar,
Bangalore - 560 027. INDIA
Tel : 080 - 2222 4141
e-mail : office@pr.beml.co.in

Manufacturing Units :

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e-mail : bemlede@vsnl.net.in

Mysore Complex
Tel : 0821-2402422
e-mail : bemlmys@sancharnet.in

Palakkad Complex
Tel: 0491-2568055
e-mail: beml.gmpalakkad@gmail.com

International Business Division
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e-mail : office@export.beml.co.in

Technology Division
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e-mail : office@ctd.beml.co.in

Trading Division
Tel : +91-80-22963113
e-mail : office@trading.beml.co.in

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Chennai
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e-mail : chennai@rm.beml.co.in

Dhanbad
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e-mail: dhanbad@rm.beml.co.in

Hyderabad
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e-mail : hyderabad@rm.beml.co.in

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e-mail : kolkata@rm.beml.co.in

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e-mail : mumbai@rm.beml.co.in

Nagpur
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New Delhi
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e-mail : delhi@rm.beml.co.in

Ranchi
Tel : 0651-2560370
e-mail : ranchi@rm.beml.co.in

Sambalpur
Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in

Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 /141(a)

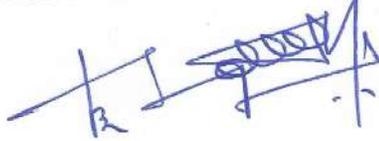
04.06.2020

CERTIFICATE

This is to certify that Mr. ADITYA C (INH16EC003), BE (EC) student of NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE has successfully completed his "INTERNSHIP TRAINING" from 17.02.2020 to 23.03.2020 and 18.05.2020 to 30.05.2020 as a part of his curriculum.

During his stay with us, he has evinced keen interest in his "INTERNSHIP" and his conduct and character were "GOOD". We wish him bright success for his future endeavours.

For BEML LIMITED,



(H B LINGA REDDY)
Sr. MANAGER - TRAINING

ವಿಮಾನ ಸಂಶೋಧನೆ ಮತ್ತು ವಿನ್ಯಾಸ ಕೇಂದ್ರ (ಎ ಆರ್ ಡಿ ಸಿ)
विमान अनुसंधान एवं अभिकल्प केन्द्र (ए आर डी सी)
AIRCRAFT RESEARCH & DESIGN CENTRE (ARDC)
ವಿನ್ಯಾಸ ಸಂಕೀರ್ಣ / ಅಭಿಕಲ್ಪ ಕಾಂಪ್ಲೆಕ್ಸ್ / DESIGN COMPLEX
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
हिन्दुस्तान एरोनॉटिक्स लिमिटेड
HINDUSTAN AERONAUTICS LIMITED



ಮಾರತ್ತ್ ಹಳ್ಳಿ ಪೋಸ್ಟ್, ಬೆಂಗಳೂರು-560037, ಭಾರತ
मारतहल्ली पोस्ट, बेंगलूरु - 560037, भारत
Marathahalli Post, Bengaluru - 560037, India
ದೂರ / ದೂರವಾರ್ತೆ / Ph.: 91 - 80 - 2232 4312, 2231 6774
ಫ್ಯಾಕ್ಸ್ / ಫೇಕ್ಸ್ / Fax: 91 - 80 - 2231 4320

D/ARDC/HR/Proj/682/20

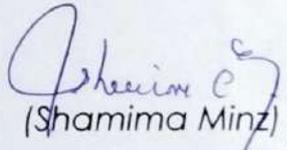
06.03.2020

CERTIFICATE

This is to certify that **Mr Afzal Hussain** who is a student of B.E(Electronics & Communication), New Horizon College of Engineering, Bangalore, has undergone **Internship Training** at HAL ARDC, Design Complex, Bangalore from 08-01-2020 to 06-03-2020 on "**No-Pay-No-Fee-Basis**" he has been punctual, sincere and committed trainee. His conduct has been Excellent.

The student brings in a lot of energy and enthusiasm in the work, he is structured in his approach and methodical in resolving a problem. He is resourceful and adaptive to working environment.




(Shamima Minz)
Senior Manager - (HR) 6/3
ARDC, Design Complex.

ನೋಂದಾಯಿತ ಕಛೇರಿ : 15/1, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ
पंजीकृत कार्यालय : 15 /1, कब्बन रोड, बेंगलूरु - 560 001, भारत
Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India
ಸಿ ಐ ಎನ್ / ಸಿ ಆರ್ ಇನ್ / CIN: L35301KA1963GOI001622

Date – June 1st, 2020

TO WHOMSOEVER IT MAY CONCERN

Sub: Technical Trainee

This is to certify that Mr Akhil Josef, has successfully completed his Foundation Training in our organization as a Technical trainee.

The details of the training are as follows:

Training : Full Stack Training
Start Date : January 21st, 2020
End Date : May 29th, 2020
Department Head : Muruganantham A

During the above-mentioned period we found him to be sincere, hardworking and obedient.

Yours faithfully,
For **HEXAWARE TECHNOLOGIES LIMITED**

Monica Mathur

Monica Mathur
Associate Vice President, Recruitment

HEXAWARE TECHNOLOGIES LTD.

Regd. office: Bldg No. 152, Millennium Business Park, Sector - III, 'A' Block, TTC Industrial Area, Mahape,
Navi Mumbai, 400710, Tel. : +91 22 6791 9595, Fax : +91 22 6791 9500
(CIN) : L72900MH1992PLC069662 URL: www.hexaware.com



EMPLOYMENT OFFER LETTER

Capgemini Ref: 4110953 /520745,

09/28/2020,

Akhileshvarma Kalindindi
1-203/1,main road,tadipudi,
East Godavari ,Andhra Pradesh,
India

Confidential

Dear Akhileshvarma Kalindindi,

Pursuant to our discussions, we are pleased to offer you employment opportunity, on probation basis, with **Capgemini Technology Services India Limited ('Capgemini' or 'Company')** starting from **09/29/2020** (or such other date as may be communicated to you by the Company), as per details given below.

- A) Your current designation will be **Analyst/A4**
- B) You will be required to work at the Company's offices in location **Pune**

C) On joining you will be under probation for 6(six) months from the date of joining. During this period your all-inclusive Annual target compensation (on a cost to company basis) will be **INR 300,002.00 (Rupees Three Lakh and Two only)**. Please refer **Annexure-A** for details. Subsequent to your successful completion of training and probation after six months from your date of joining, your all-inclusive annual target compensation (on a cost to company basis) will be revised to **INR 380,006.00 (Rupees Three Lakhs Eighty Thousand and Six only)**. Please refer **Annexure -B** for details.

Your compensation shall be paid on a monthly basis, in arrears. The company shall deduct tax at source at the time of making payment.

The breakup of your all-inclusive annual target compensation is as follows:

Dated: 28th April 2020

INTERNSHIP COMPLETION LETTER

This is to certify that Akshay Rao - (1NH16EC007) from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successful completed **45 days Internship** at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best in his future endeavours.

For Compute Silicon

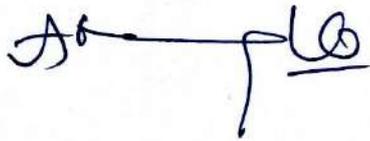


Parimal Pawan Kumar
Vice President - HR & Ops

(Authorized Signatory)

CERTIFICATE

This is to certify that Mr. **Anoop Alex** has completed the 4-Month Industrial Oriented Project Training during the period from **January 2020 to May 2020** in our Organization. He was trained in the field of **Foundation Technology training.**



(Muruganatham A.)
General Manager,
Hexaware Technologies Limited.

HEXAWARE TECHNOLOGIES LTD.

Plot No. H5, SIPCOT Information Technology Park, Navallur Post, Siruseri – 603103, Kanchipuram Dt.
Tel. : +91 – 44-4745 1000, Fax : +91 – 44- 47451111

Regd. office: #152, Millennium Business Park, Sector - III, 'A' Block, TTC Industrial Area, Mahape, Navi Mumbai -400710, India
Tel. : +91 22 6791 9595, Fax : +91 22 6791 9500

Company Identity Number (CIN) : L72900MH1992PLC069662; URL: www.hexaware.com





Dated: 28th April 2020

INTERNSHIP COMPLETION LETTER

This is to certify that Arun P - (INH16EC011) from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successfully completed 45 days Internship at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best in his future endeavours.

For Compute Silicon

A handwritten signature in blue ink, appearing to read "Parimal Pawan Kumar".

Parimal Pawan Kumar
Vice President - HR & Ops

(Authorized Signatory)

Internship Certificate

This is to certify that **Athira AjayaKumar** bearing University Seat Number **1NH16EC012**, student of **New Horizon College of Engineering - Bangalore**, Affiliated to **VTU** has successfully completed the internship at **QuEST Global (Bangalore)** in the **Deep Learning** vertical, under the guidance of **Mr. Arun Natarajan** from **16/01/2020 to 05/05/2020**

Topic of Internship: **Document Digitization- Text Recognition**

The candidate's conduct during the tenure of the internship has been Very Good.

QuEST Global wishes the candidate all success in their future endeavors.

Authorized Signatory
Guruprasad N
Lead- University Relations

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

CERTIFICATE

It is hereby certified that the Internship work entitled “**BANK MANAGEMENT SYSTEM**” is a bonafide work carried out by **BHASKAR CHOUDHURY (1NH16EC015)** in partial fulfillment for the award of **Bachelor of Engineering in ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019 - 2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of the Guide

Ms. Tessy
Asst.Prof.
Dept. of Electronics and
Communication
Engineering.

Signature of the HOD

Dr. SANJEEV SHARMA
Prof. and HOD
Dept. of Electronics and
Communication
Engineering.

Signature of the Principal

Dr. MANJUNATHA
Principal
NHCE

External Viva Examiner

Signature with date

1.

2

INTERNSHIP CERTIFICATE

This is to certify that

Bipin Dixit H (1NH16EC016) of New Horizon College of Engineering, Bangalore,

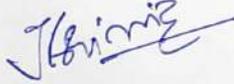
has undertaken *the Photonics Students Internship and Mentoring Program* during 22 July 2019-11 January 2020, and completed it successfully.

Project title: *Bit Error Rate Tuning in Optical Fiber Communications.*

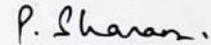
Mentor: *Dr. K Narayan, Sai Vidya Institute of Technology, Bangalore.*

The overall performance of student based on the interest, regularity, the technical report and presentation is:
Poor/ Satisfactory/ Good/ Excellent.

The *Photonics Students Internship and Mentoring Program* is supported and coordinated by IEEE Photonics society Bangalore Chapter to motivate and create interest among students in area of photonics and applications.



Dr. T. Srinivas, IISc,
Chair, Review Committee,
IEEE Photonics Internship



Dr. Preeta Sharan
Student Activity Chair,
IEEE Photonics Internship

Place: Bangalore

INTERNSHIP COMPLETION CERTIFICATE

This is to inform you that **C.ARUNA (USN: 1NH16EC018)** final year ECE student of “**NEW HORIZON COLLEGE OF ENGINEERING**” had successfully completed her internship on “**EMBEDDED SYSTEMS**” concern from **10th JANUARY 2020** to **04th MARCH 2020**.

We congratulate you on your presence with us. We are confident with that your excellence would bear the resemblance to success in the future endeavors.

With Regards,



(Technical Lead)

Relentless System

Relentless Systems, No. 4/D Alagappan Street, Dasaradhapuram, Saligrammam, Chennai - 600 093

contact@relentlessystems.in | www.relentlessystems.in

Internship Certificate

This is to certify that **C Leharika** bearing University Seat Number **1NH16EC019**, student of **New Horizon College of Engineering - Bangalore**, Affiliated to **VTU** has successfully completed the internship at **QuEST Global (Bangalore)** in the **Embedded IIoT, Web Dev** vertical, under the guidance of **Mr. Girish DC** from **16/01/2020 to 05/05/2020**

Topic of Internship: **Design and Development of Smart Power System for Buildings**

The candidate's conduct during the tenure of the internship has been Very Good.

QuEST Global wishes the candidate all success in their future endeavors.

Authorized Signatory
Guruprasad N
Lead- University Relations

Date: 06-06-2020

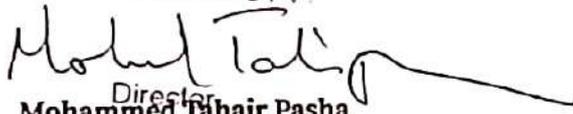
TO WHOM IT MAY CONCERN

This is to certify that Mr. Chethan S (1NH16EC020) A student of BE (Electronics & Communication), New Horizon College of Engineering, Bangalore has Successfully Completed 45 Days (From 1st Feb to 15th March, 2020) Digital Marketing internship program at Oreo Technologies Private Limited, during the period of his internship program with us he was found punctual, hardworking and inquisitive.

We wish you all the best for all your future endeavors.

Yours sincerely:
For Oreo Technologies

OREO TECHNOLOGIES PVT


Director
Mohammed Tahair Pasha
Director

CERTIFICATE OF INTERNSHIP FROM THE ORGANIZATION

Relentless Systems 

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **DEEPTHI R (REG No: 1NH16EC024)** Department of **B.E(Electronics and Communication)** from **New Horizon College of Engineering**, has completed her internship in our concern under the guidance.

Her internship period: **10th JANUARY 2020** to **04th MARCH 2020**.

During her Internship phase her performance has been rated as **GOOD**.

Thanks & Regards.



(HR HEAD)

Dated: 28th April, 2020

INTERNSHIP COMPLETION LETTER

This is to certify that Dennis Paulraj - (1NH16EC025) from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successful completed **45 days Internship** at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best in his future endeavours.

For Compute Silicon



Parimal Pawan Kumar
Vice President - HR & Ops

(Authorized Signatory)



INTERNSHIP COMPLETION CERTIFICATE

Date: 20.05.2020

TO WHOM IT MAY CONCERN

This is to certify that **E Jahnavi** a student of Bachelor of Engineering (ECE-4th year) at New Horizon College of Engineering has successfully completed internship program with us (**20th January,2020 to 6th March,2020**). During the internship program with EasyStepIn she was found punctual, hardworking and inquisitive.

We wish her every success in life.

For EasyStepIn IT Services Private Limited.

A circular stamp with the text "EasyStepIn IT Services Pvt. Ltd." around the top edge and "Bangalore" at the bottom. In the center, the word "Signature" is written. A handwritten signature in black ink is written over the stamp.

Jennu Sowndarya Cheruvupalli
HR Department

EASystEPIN IT SERVICES PRIVATE LIMITED

Address: #43, SGR Plaza,1st Floor, Opp. Marathahalli Market Bus Stop, Marathahalli, Bangalore560037,
Karnataka,India.Tel:080-48905420, Email ID: hr@easystepin.com. website: <http://www.easystepin.com>

Certificate of Internship



Knowledge Lens Pvt. Ltd
74/A, Keonics, Hosur road,
Electronic City Phase 1 - Bengaluru - 560100
CIN No: U72200KA2013PTC072670

8th May 2020

TO WHOM IT MAY CONCERN

This is to certify that Mr. Avinash G student of B.E, New Horizon College of Engineering, Bangalore has completed internship on "IT Administration" projects from 2nd January 2020 to 8th May 2020 at Knowledge Lens Pvt Ltd. During the period of his training with us he was found punctual, hardworking, and inquisitive.

We wish him all the success in future endeavors.

Yours Truly,

For Knowledge Lens Pvt Ltd.

Sudheesh Narayanan
Chief Executive Officer



SOUTHERN
Chips & Circuits (P) Ltd.
58/4 Muni Reddy Industrial Area
Kudlu Village Singasandra Post
Bangalore - 560 068
Telefax : 91-80-25733423, 25731157
e-mail : reachus@southernchips.com
www.southernchips.com

Bangalore

05th March 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Girish Jattu Gouda** bearing US No: **1NH16EC031**, studying **8th Semester, BE in Electronics & Communication** from **New Horizon College of Engineering**, has successfully completed his Internship starting from **22-Jan-2020 to 05-Mar-2020**. The student was given extensive training and detailed briefing in our manufacturing areas with exposure to the Departments.

During the period of his Internship, we found him to be sincere, hardworking and a keen learner.

We wish him all the very best for future assignments and career aspirations.

For Southern Chips & Circuits Pvt. Ltd

Authorized Signatory





SOUTHERN
Chips & Circuits (P) Ltd.
58/4 Muni Reddy Industrial Area
Kudlu Village Singasandra Post
Bangalore - 560 068
Telefax : 91-80-25733423, 25731157
e-mail : reachus@southernchips.com
www.southernchips.com

Bangalore

05th March 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Hari Prasad R** bearing US No: **1NH16EC032**, studying **8th Semester, BE in Electronics & Communication** from **New Horizon College of Engineering**, has successfully completed his Internship starting from **22-Jan-2020 to 05-Mar-2020**. The student was given extensive training and detailed briefing in our manufacturing areas with exposure to the Departments.

During the period of his Internship, we found him to be sincere, hardworking and a keen learner.

We wish him all the very best for future assignments and career aspirations.

For Southern Chips & Circuits Pvt. Ltd

Authorized Signatory



Internship Certificate

This is to certify that **Harsh Srivastava** bearing University Seat Number **1NH16EC033**, student of **New Horizon College of Engineering - Bangalore**, Affiliated to **VTU** has successfully completed the internship at **QuEST Global (Bangalore)** in the **UI/UX** vertical, under the guidance of **Mr. Amar Rao** from **16/01/2020** to **05/05/2020**

Topic of Internship: **Design & Development of Advanced Driver Machine Interface for Locomotives**

The candidate's conduct during the tenure of the internship has been Very Good.

QuEST Global wishes the candidate all success in their future endeavors.

Authorized Signatory
Guruprasad N
Lead- University Relations

Date – June 1st, 2020

TO WHOMSOEVER IT MAY CONCERN

Sub: Technical Trainee

This is to certify that Mr. Jagadeesh D, has successfully completed his Foundation Training in our organization as a Technical trainee.

The details of the training are as follows:

Training : Full Stack Training
Start Date : January 21st, 2020
End Date : May 29th, 2020
Department Head : Muruganantham A

During the above-mentioned period we found him to be sincere, hardworking and obedient.

Yours faithfully,
For **HEXAWARE TECHNOLOGIES LIMITED**

Monica Mathur

Monica Mathur
Associate Vice President, Recruitment

HEXAWARE TECHNOLOGIES LTD.

Regd. office: Bldg No. 152, Millennium Business Park, Sector - III, 'A' Block, TTC Industrial Area, Mahape,
Navi Mumbai, 400710, Tel. : +91 22 6791 9595, Fax : +91 22 6791 9500
(CIN) : L72900MH1992PLC069662 URL: www.hexaware.com





June 1, 2020

To Whom It May Concern

This is to certify that **Janani B R**, B.E. student of Electronics and Communications Engineering branch, New Horizon College of Engineering, Bengaluru has been working on the project work titled "Project Management using Jira Software" under Mr. Stephen Sheen (sheens@vmware.com) with the IT Infrastructure Program Management Office (PMO) at **VMware Software India Pvt. Ltd., Bengaluru** as an **INTERN** from **10th Jan 2020**.

Yours sincerely,

For **VMware Software India Private Limited**.



Vignesh K

Centralised HR Services Specialist

Email: Apachrss@vmware.com

VMware Software India Private Limited

Kalyani Vista, Sy. No. 165/1 & 165/17, Doraisanipalya, 4th Phase, JP Nagar, Bengaluru - 560076, India

Phone : +91-80-4044 0000 fax : +91-80-4044 0096

www.vmware.com

Dated: 28th April, 2020

INTERNSHIP COMPLETION LETTER

This is to certify that K Girivardhan - (1NH16EC036) from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successful completed **45 days Internship** at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best in his future endeavours.

For Compute Silicon



Parimal Pawan Kumar
Vice President - HR & Ops

(Authorized Signatory)

ಹೆಲಿಕಾಪ್ಟರ್-ಎಂಪರ್ಡ್ ವಿಭಾಗ
ಹೆಲಿಕಾಪ್ಟರ್ ಎಮ್ ಆರ್ ಆಂ ಪ್ರಭಾಗ
ಹೆಲಿಕಾಪ್ಟರ್ ಸಂಕೀರ್ಣ / ಹೆಲಿಕಾಪ್ಟರ್ ಕಾಂಪ್ಲೆಕ್ಸ್
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಹಿಂದುಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
ಪೋಸ್ಟ್ ಬಾಕ್ಸ್ ಸಂ. 1796, ವಿಮಾನಪುರಾ ಪೋಸ್ಟ್
ಬೆಂಗಲೂರು - 560017, ಭಾರತ.
Fax (ಫೇಕ್ಸ್) : 91-80-22314354



HELICOPTER - MRO DIVISION
HELICOPTER COMPLEX
HINDUSTAN AERONAUTICS LIMITED
POST BOX-NO.1796,VIMANAPURA POST
BENGALURU - 560 017,INDIA.
Ph.(ದೂರವಾಣಿ) 91-80-22323231

हिन्दी बढेगी तभी जब चाहेंगे सभी

MRO-H/AGM (HR)/073/2020

March 20, 2020

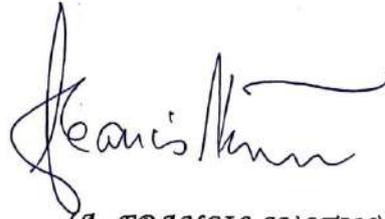
CERTIFICATE

This is to certify that Mr. N. Kishore, a student of New Horizon College of Engineering, Bangalore has undergone the "Industrial Training" in HAL, Helicopter MRO Division from 20.02.2020 to 09.04.2020.

During this period his performance was good.

We wish him a bright future.

for HAL, Helicopter MRO Division


(A. FRANCIS JUSTIN)
MANAGER (HR)

ನೋಂದಾಯಿತ ಕಛೇರಿ: 15/1, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 001, ಭಾರತ

पंजीकृत कार्यालय : 15/1, कबबन रोड, बेंगलूरु - 560 001, भारत

Registered Office : 15/1, Cubbon Road, Bengaluru - 560 001, India

CIN: U35301KA1963GOI001622

INTERNSHIP COMPLETION CERTIFICATE

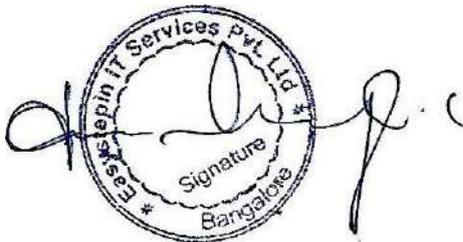
Date: 20.05.2020

TO WHOM IT MAY CONCERN

This is to certify that **Konga Venkata Mounish Reddy** a student of Bachelor of Engineering (ECE-4th year) at New Horizon College of Engineering has successfully completed internship program with us (**20th January,2020 to 6th March,2020**). During the internship program with EasyStepIn he was found punctual, hardworking and inquisitive.

We wish him every success in life.

For EasyStepIn IT Services Private Limited.



Signature

Jennu Sowndarya Cheruvupalli
HR Department

EASYSSTEPIN IT SERVICES PRIVATE LIMITED

Address: #43, SGR Plaza,1st Floor, Opp. Marathahalli Market Bus Stop, Marathahalli, Bangalore560037,
Karnataka,India.Tel:080-48905420, Email ID: hr@easystepin.com, website: <http://www.easystepin.com>

INTERNSHIP COMPLETION CERTIFICATE

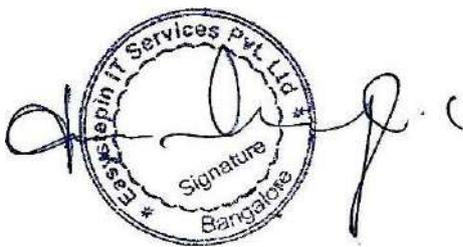
Date: 20.05.2020

TO WHOM IT MAY CONCERN

This is to certify that **Lalithambha S M** a student of Bachelor of Engineering (ECE-4th year) at New Horizon College of Engineering has successfully completed internship program with us (**20th January,2020 to 6th March,2020**). During the internship program with EasyStepIn she was found punctual, hardworking and inquisitive.

We wish her every success in life.

For EasyStepIn IT Services Private Limited.



Signature
Bangalore

Jennu Sowndarya Cheruvupalli
HR Department

EASystEPIN IT SERVICES PRIVATE LIMITED

Address: #43, SGR Plaza,1st Floor, Opp. Marathahalli Market Bus Stop, Marathahalli, Bangalore560037,
Karnataka,India.Tel:080-48905420, Email ID: hr@easystepin.com, website: <http://www.easystepin.com>

Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that MADAN GOUDA (INH16EC047) from NEW HORIZON COLLEGE OF ENGINEERING, Department of ECE on our organization and he is permitted to do his internship in our organization, from 27th JANUARY 2020 to 27th MARCH 2020 during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

CERTIFICATE OF INTERNSHIP FROM THE ORGANIZATION



INTERNSHIP COMPLETION LETTER

This is to certify that **Madhu M Devamane – (1NH16EC048)** from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successfully completed **45 days Internship** at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

We wish her all the best in her future endeavors.

For Compute Silicon



Parimal Pawan Kumar
Vice President – HR & Ops
(Authorized Signatory)



No.A.HR/509/149 /2020

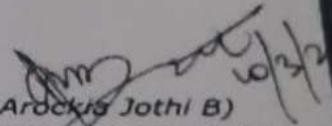
March 10, 2020

CERTIFICATE

This is to certify that **Ms. MANJULA S,** **USN INH16EC049** a bonafide BE(Electronics & Communication Engg) student of New Horizon College of Engineering has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 27.01.2020 to 05.03.2020.

2. We wish her All the Best, Good Luck and Success in her future endeavors.

Ms. MANJULA S,
BE(Electronics & Communication Engg),
New Horizon College of Engineering
Bangalore.


(Arockia Jothi B)
Senior Manager (HR)

ಬಿ ಆರೋಕ್ಯಾ ಜೋತಿ, B AROCKIA JOTHI
ಸಿನಿಯರ್ ಮ್ಯಾನೇಜರ್ (HR) - ಏವರ್ಕ್ರಾಫ್ಟ್ ವಿಭಾಗ
Senior Manager (HR) Aircraft Division
ಬೆಂಗಳೂರು (ಬಿ ಸಿ) / HAL-ABC

ಹಿಂದುಸ್ತಾನ ಏರ್ನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ
पंजीकृत कार्यालय : 15 /1, कबुन रोड, बेंगलूरु - 560 001, भारत
Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

CS Scanned with CamScanner ಸಿ ಐ ಎಸ್ / ಸಿ ಆರ್ ಐ ಎನ್ / CIN:U35301KA1963GOI001622 ಇ / ಇ / E : ma.haffiz@hal-india.com

Internship Certificate

This is to certify that **Maurya Reddy Y** bearing University Seat Number **1NH16EC052**, student of **New Horizon College of Engineering - Bangalore**, Affiliated to **VTU** has successfully completed the internship at **QuEST Global (Bangalore)** in the **Machine Learning** vertical, under the guidance of **Dr. T.C Ramesh** from **16/01/2020** to **05/05/2020**

Topic of Internship: **Eagle on MindSphere**

The candidate's conduct during the tenure of the internship has been Very Good.

QuEST Global wishes the candidate all success in their future endeavors.

Authorized Signatory
Guruprasad N
Lead- University Relations

No. D/MCSRDC/HR/Proj.Cert/326/2020

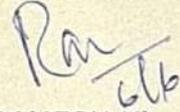
Date: 06.06.2020

CERTIFICATE

This is to certify that the following student of **BE(ECE), VIII SEMESTER** from **NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE** has completed her "**INTERNSHIP**" at MCSRDC, Design Complex, HAL, Bangalore from **15.02.2020** to **23.03.2020** on "no-pay-no-fee-basis".

Ms. MEGHA SHREE H M (1NH16EC053)

The punctuality, conduct and behavior of the student was **VERY GOOD** during the training. The overall progress during the training was **GOOD**.



(RAMESH K)

Senior Manager (HR)

ರಮೇಶ್ ಕೆ / ರಮೇಶ್ ಕೆ / RAMESH K

ಹಿರಿಯ ವ್ಯವಸ್ಥಾಪಕರು (ಮಾ.ಸಂ.) / ವरिष्ठ प्रबंधक (म.सं.)

Senior Manager (HR)

ಎಂ.ಪಿ.ಎಸ್.ಆರ್.ಡಿ.ಸಿ. ವಿನ್ಯಾಸ ಸಂಕೀರ್ಣ

एम सी एस आर डी सी, (अभिकल्प कॉम्प्लेक्स)

MCSRDC, (Design Complex)

ಹೆಚ್.ಎ.ಎಲ್. ಬೆಂಗಳೂರು-560017 / एच ए एल, बंगलूरु-560017

HAL, BANGALORE - 560017

पंजीकृत कार्यालय : 15 /1, कब्बन रोड, बंगलूरु - 560 001, भारत

Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

CIN: L35301KA1963GOI001622

CERTIFICATE OF INTERNSHIP FROM ORGANISATION

ESIGELEC 

Technopôle du Madrillet
Avenue Galilée
76800 Saint Etienne du Rouvray – France

CERTIFICATE

I undersigned, Prof. Etienne CRAYE, General Manager of ESIGELEC, certify that :

Meghana VISWANATHA

has been hosted in our School of Engineering from September 16 to November 29, 2019.
She took part in an exchange programme between ESIGELEC in France and New Horizon College of Engineering in India.

Saint-Etienne du Rouvray, December 9, 2019,

Signature of the receiver

Prof. Etienne CRAYE,
General Manager of ESIGELEC



Date: 06-06-2020

Oreo Technologies Pvt. Ltd. OREO #1676, Mahatma Gandhi Road, TECHNOLOGIES Doddapct, Kolar -
563101.

To WHOM IT MAY CONCERN

This is to certify that Mrs. Meghashree R (INH16EC055) A student of BE (Electronics & Communication), New Horizon College of Engineering, Bangalore has Successfully Completed 45 Days (From 1st Feb to 15th March, 2020)

“ Digital Marketing” internship program at Oreo Technologies Private Limited, during the period of her internship program with us she was found punctual, hardworking and inquisitive.

We wish you all the best for all your future endeavors.

Yours sincerely:
For Oreo Technologies

OREO TECHNOLOGIES PVT LTD

Mohammed Tahair Pasha
Director

Director

CERTIFICATE OF INTERNSHIP FROM THE ORGANIZATION



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MISBAH TABASSUM AEJAZ (REG No: 1NH16EC056)** Department of **B.E(Electronics and Communication)** from **New Horizon College of Engineering**, has completed her internship in our concern under the guidance.

Her internship period: **10th JANUARY 2020** to **04th MARCH 2020**.

During her Internship phase her performance has been rated as **GOOD**.

Thanks & Regards.



(HR HEAD)

8th May 2020

TO WHOM IT MAY CONCERN

This is to certify that Mr. Mithun V student of B.E, New Horizon College of Engineering, Bangalore has completed the internship on "IoT Devices, Raspberry Pi" projects from 2nd January 2020 to 30th March 2020 at **Knowledge Lens Pvt Ltd**. During the period of his training with us he was found punctual, hardworking, and inquisitive.

We wish him all the success in future endeavors.

Yours Truly,

For **Knowledge Lens Pvt Ltd**.



Sudheesh Narayanan
Chief Executive Officer

CONFIRMATION LETTER

51-49

Date 16-01-2020

To,
The Head of The Department,
Department of Electronics and Communication Engineering,
New Horizon College of Engineering,
Kadubeesanahalli bellandur, Bangalore 560103.

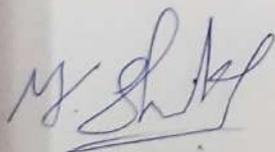
Sub Reg-Internship Confirmation**Dear Sir/Madam,**

With reference to the discussions held with your student, we are pleased to offer an Internship Training program in our organization to the following student of New Horizon College of Engineering. during which we shall train his/her on the real time solutions, we have been delivering our clients worldwide, During the period of 01-Feb - to- 15-Mar.

Sid	Name	Reg
1.	Mohammed anas TM	1NH16EC058

Its mandatory that student must carry his / her college identity card during the training period. We assure full assistance to the student throughout the Training period.

Warm regards,

**HR-HEAD**

TechnoFly Solutions

CERTIFICATE
OF
INTERNSHIP

TO WHOM IT MAY CONCERN

This is to certify that Mohit . R a student of _____

New Horizon college of engineering, has completed 7 months/weeks of Internship

From 20-01-2020 To 06-03-2020 in Embedded Systems Domain.

During this period of his internship programme with us he/her was found punctual, hardworking and inquisitive, We wish him/her every succes in life.

Date - 06-03-2020
Bangalore

For TechnoFly Solutions



Technofly Solutions, Vijayanagar, Bangalore - 40.
Mob.: 9663476586, 9741150102 | www.technofly.in

CONFIRMATION LETTER

51-49

Date 16-01-2020

To,
The Head of The Department,
Department of Electronics and Communication Engineering,
New Horizon College of Engineering,
Kadubeesanahalli bellandur, Bangalore 560103.

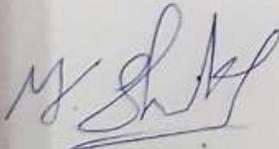
Sub Reg-Internship Confirmation**Dear Sir/Madam,**

With reference to the discussions held with your student, we are pleased to offer an Internship Training program in our organization to the following student of New Horizon College of Engineering. during which we shall train his/her on the real time solutions, we have been delivering our clients worldwide, During the period of 01-Feb - to- 15-Mar.

Sid	Name	Reg
1.	MUJEER PASHA	1NH16EC062

Its mandatory that student must carry his / her college identity card during the training period. We assure full assistance to the student throughout the Training period.

Warm regards,

**HR-HEAD**



TRIDENT POWER SOLUTIONS

CERTIFICATE (TO WHOMSOEVER IT MAY CONCERN)

This is to certify that Ms.Neha Mahesh pursuing BE in New Horizon College of Engineering, Bengaluru, has successfully completed her internship work in 'Solar power system design, operation and installation' dated from January 27th 2020 to March 16th 2020

During her internship period her conduct and behaviour was good and she has shown keen interest to learn. This certificate is issued at her request for educational purpose only.

We wish her all the success in her future endeavours.

#1031, 13th Main, 4th Cross, HAL 2nd Stage, Indiranagar, Bangalore - 560 008

☎ : +91 8277603591

✉ : vishnu.l@tridentpowersolution.com

Website: www.tridentpowersolution.com

Certificate of internship from the organization



SOUTHERN

Chips & Circuits (P) Ltd.

5B/4 Muni Reddy Industrial Area

Kudlu Village Singasandra Post

Bangalore - 560 068

Telefax : 91-80-25733423, 25731157

e-mail : reachus@southernchips.com

www.southernchips.com

Bangalore

05th March 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Nithin E** bearing US No: **1NH16EC068**, studying **8th Semester, BE in Electronics & Communication** from **New Horizon College of Engineering**, has successfully completed his Internship starting from **22-Jan-2020 to 05-Mar-2020**. The student was given extensive training and detailed briefing in our manufacturing areas with exposure to the Departments.

During the period of his Internship, we found him to be sincere, hardworking and a keen learner.

We wish him all the very best for future assignments and career aspirations.

For Southern Chips & Circuits Pvt. Ltd

Authorized Signatory





NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU & Approved by AICTE)

Accredited by NAAC 'A', Accredited by NBA

Outer Ring Road, Panathur post, Kadubisanahalli, Bangalore-560103

Certificate

Certified that the project entitled “**LIBRARY MANAGEMENT SYSTEM**” carried out by **P. MAHALAKSHMI (1NH16EC070)** a bonafide student of **DEPARTMENT OF ELECTRONICS AND COMMUNICATION, NEW HORIZON COLLEGE OF ENGINEERING** in partial fulfilment of the requirements for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of Visvesvaraya Technological University, Belgaum during the year 2019-2020.

The internship report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the said degree.

Internal Guide
Mr.Karthik C V

HOD
Dr Sanjeev Sharma

Principal
Dr
Manjunatha

External Viva

NAME OF THE INTERNAL/EXTERNAL

SIGNATURE WITH DATE

1.

2.



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **P S DEEPAK(Reg.no:1NH16EC071)** undergoing his **ECE** from **NEW HORIZON COLLEGE OF ENGINEERING**, has completed his 45 days internship with project at this **UNI Q TECHNOLOGIES**. All the necessary details were provided from our side for the establishment of the project.

It is observed that he is sincere and prompt in discharging the duties assigned to his from time to time.

On behalf of our organization we wish him all the best in all his future endeavors.

Thanks & Regards



(HR Head)
(Bangalore Branch)

#1 Shifa Arcade, Bharathi Nagar 1st Street, North Usman Road, T-Nagar, Chennai – 600 017
044 - 42124943 | 95000 88927 | 96001 14466 | info@uniqtechnologies.co.in
www.uniqtechnologies.co.in



बी ई एम एल लिमिटेड
BEML LIMITED
(A Govt. Of India Mini Ratna Company under Ministry of Defence)
Bangalore Complex



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e-mail : office@pr.beml.co.in

Manufacturing Units :

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e-mail : bemlede@vsnl.net.in

Mysore Complex
Tel : 0821-2402422
e-mail : bemlmys@sancharnet.in

Palakkad Complex
Tel : 0491-2568055
e-mail : beml.gmpalakkad@gmail.com

International Business Division
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e-mail : office@export.beml.co.in

Technology Division
Tel : +91-80-2296 3100-109
e-mail : office@ctd.beml.co.in

Trading Division
Tel : +91-80-22963113
e-mail : office@trading.beml.co.in

Regional Offices :

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Chennai
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e-mail : chennai@rm.beml.co.in

Dhanbad
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e-mail : dhanbad@rm.beml.co.in

Hyderabad
Tel : 040-23227032
e-mail : hyderabad@rm.beml.co.in

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Mumbai
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e-mail : mumbai@rm.beml.co.in

Nagpur
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e-mail : nagpur@rm.beml.co.in

New Delhi
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e-mail : delhi@rm.beml.co.in

Ranchi
Tel : 0651-2560370
e-mail : ranchi@rm.beml.co.in

Sambalpur
Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in

Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 / 092(a)

22.02.2020

CERTIFICATE

This is to certify that Mr. PRAJWAL T J (1NH16EC076), BE (EC) student of NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE has successfully completed his "INTERNSHIP TRAINING" from 11.01.2020 to 22.02.2020 as a part of his curriculum.

During his stay with us, he has evinced keen interest in his "INTERNSHIP TRAINING" and his conduct and character were "GOOD". We wish him bright success for his future endeavours.

For BEML LIMITED,

(H B LINGA REDDY)
Sr. MANAGER - TRAINING



बेंगलूर काम्प्लेक्स, पी.बी. संख्य 7501, नया तिप्पसंदरा पोस्ट, बेंगलूर - 560 075

BANGALORE COMPLEX : P.B. No. 7501, New Thippasandra Post, Bangalore - 560 075

दूरभाष / Ph. 080-25242414 (20Lines) फैक्स 080-25245545, 25242942, 25242419 ई-मेल/e-mail : bemlcmr@vsnl.com

1 : CERTIFICATE OF INTERNSHIP FROM THE ORGANIZATION



Dated: 28th April, 2020

INTERNSHIP COMPLETION LETTER

This is to certify that Prashanth Gowda R S - (1NH16EC078) from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successfully completed **45 days Internship** at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best in his future endeavours.

For Compute Silicon

A handwritten signature in blue ink, appearing to read "Parimal", is written over a light grey rectangular background.

Parimal Pawan Kumar
Vice President - HR & Ops

(Authorized Signatory)

Certificate of internship from the organization



Dated: 28th April, 2020

INTERNSHIP COMPLETION LETTER

This is to certify that Praveen Kumar S - (1NH16EC079) from Electronic and Communication Batch 2019-2020 of New Horizon College of Engineering, Bangalore has successfully completed **45 days Internship** at Compute Silicon, Bangalore from 1st Feb to 16th March in the area of ASIC Verification.

During the period of his internship programme with us he was found punctual, hardworking and inquisitive.

We wish him all the best in his future endeavours.

For Compute Silicon

A handwritten signature in blue ink, appearing to read 'Parimal', is written over a light blue rectangular background.

Parimal Pawan Kumar
Vice President - HR & Ops

(Authorized Signatory)



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Bangalore Complex

Winner of



Golden Peacock
Innovation Management Award



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Mysore Complex
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e-mail : bemlmys@sancharnet.in

Palakkad Complex
Tel : 0491-2568055
e-mail : beml.gp.palakkad@gmail.com

International Business Division
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Technology Division
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Hyderabad
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e-mail : hyderabad@rm.beml.co.in

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e-mail : kolkata@rm.beml.co.in

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Nagpur
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e-mail : nagpur@rm.beml.co.in

New Delhi
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Ranchi
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e-mail : ranchi@rm.beml.co.in

Sambalpur
Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in

Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 /092(c)

22.02.2020

CERTIFICATE

This is to certify that Ms. PRESHIKA J M (INH16EC080),
BE (EC) student of NEW HORIZON COLLEGE OF
ENGINEERING, BANGALORE has successfully completed
her "INTERNSHIP TRAINING" from 11.01.2020 to
22.02.2020 as a part of her curriculum.

During her stay with us, she has evinced keen interest in her
"INTERNSHIP TRAINING" and her conduct and character
were "GOOD". We wish her bright success for her future
endeavours.

For BEML LIMITED,

(H B LINGA REDDY)
Sr. MANAGER - TRAINING



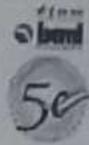
बेंगलूर काम्पलेक्स, पी.बी. संख्य 7501, नया तिप्पसंदरा पोस्ट, बेंगलूर - 560 075
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Hyderabad
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Mumbai
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Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 /092(c)

22.02.2020

CERTIFICATE

This is to certify that Ms. **PRITHIPA (INH16EC 081)**,
BE (EC) student of **NEW HORIZON COLLEGE OF
ENGINEERING, BANGALORE** has successfully completed
her "INTERNSHIP TRAINING" from 11.01.2020 to
22.02.2020 as a part of her curriculum.

During her stay with us, she has evinced keen interest in her
"INTERNSHIP TRAINING" and her conduct and character
were "GOOD". We wish her bright success for her future
endeavours.

For BEML LIMITED,

(H B LINGA REDDY)
Sr. MANAGER - TRAINING





बी ई एम एल लिमिटेड
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Bangalore Complex



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751, 9th Main Road, S. R. Nagar,
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e-mail : office@beml.com

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KDF Complex
Tel: 08133-283001
e-mail : kdf@beml.com

Myson Complex
Tel: 0821-340522
e-mail : myson@beml.com

Pulkaad Complex
Tel: 0819-230801
e-mail : pulkaad@beml.com

International Business Division
Tel: +91-80-2252 2730 / 2252 2300
e-mail : office@beml.com

Technology Division
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Trading Division
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e-mail : office@trading.beml.com

Regional Offices :

Bilaspur
Tel: 07732-252000
e-mail : bilaspur@beml.com

Chennai
Tel: 044-26270792
e-mail : chennai@beml.com

Dharwad
Tel: 025-226700
e-mail : dharwad@beml.com

Hyderabad
Tel: 040-25277032
e-mail : hyderabad@beml.com

Kolkata
Tel: 033-22630214
e-mail : kolkata@beml.com

Mumbai
Tel: 022-22549400
e-mail : mumbai@beml.com

Ragpur
Tel: 0713-2264000
e-mail : ragpur@beml.com

New Delhi
Tel: 111-22110000
e-mail : delhi@beml.com

Ranchi
Tel: 0661-2460210
e-mail : ranchi@beml.com

Sambalpur
Tel: 0675-221404
e-mail : sambalpur@beml.com

Bhopal
Tel: 0783-260200
e-mail : bhopal@beml.com

RKT/08/2020 /OPD (P)

22.02.2020

CERTIFICATE

This is to certify that Mr. PAVAN RAJ (INH16EC082), BE (EC) student of NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE has successfully completed his "INTERNSHIP TRAINING" from 11.01.2020 to 22.02.2020 as a part of his curriculum.

During his stay with us, he has evinced keen interest in his "INTERNSHIP TRAINING" and his conduct and character were "GOOD". We wish him bright success for his future endeavours.

For BEML LIMITED,



(H B LINGA REDDY)
Sr. MANAGER - TRAINING



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAM/HRM/INP.TRG/2020/ 5709

Dated: 19. 05. 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Shri. Varun Mishra, B.E., (ECE), IV Year student of New Horizon College of Engineering, Bangalore, has done INTERNSHIP in "AIRPORTS AUTHORITY OF INDIA" CHENNAI AIRPORT, from 24.02.2020 to 31.03.2020. During the period the student has been briefed on principles of Operations, application of various Electronics systems at Airport.

We, wish you all the best for your future endeavour.

(Meena Vinodhini Thirumurthy)
Manager (HR)
for Deputy General Manager (HR)

फैक्स : 044 - 2256 0008 इ पी ए बी एक्स : 2256 0551, चेन्नै एयरपोर्ट, चेन्नै - 600 016.

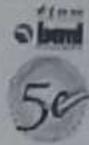
FAX : 044 - 2256 0008 EPABX : 2256 0551, Chennai Airport, Chennai - 600 016.



बी ई एम एल लिमिटेड
BEML LIMITED

(A Govt. Of India Mini Ratna Company under Ministry of Defence)

Bangalore Complex



Corporate Office :

'BEML SOUDHA',
23/1, 4th Main Road, S. R. Nagar,
Bangalore - 560 027, INDIA
Tel : 080 - 2222 4141
e-mail : office@cor.beml.co.in

Manufacturing Units :

KGF Complex
Tel : 08153-253020
e-mail : bemlede@vsnl.net.in

Mysore Complex
Tel : 0821-2402422
e-mail : bemmysu@sanohamat.in

Palakkad Complex
Tel : 0491-2568055
e-mail : beml.gmpalakkad@gmail.com

International Business Division
Tel : +91-80-2222 2730, 2223 3350
e-mail : office@export.beml.co.in

Technology Division
Tel : +91-80-2296 3100-109
e-mail : office@ctd.beml.co.in

Trading Division
Tel : +91-80-22963113
e-mail : office@trading.beml.co.in

Regional Offices :

Bilaspur
Tel : 07752-252082
e-mail : bilaspur@rm.beml.co.in

Chennai
Tel : 044-28270792
e-mail : chennai@rm.beml.co.in

Dhanbad
Tel : 0326-2205750
e-mail : dhanbad@rm.beml.co.in

Hyderabad
Tel : 040-23227032
e-mail : hyderabad@rm.beml.co.in

Kolkata
Tel : 033-22826314
e-mail : kolkata@rm.beml.co.in

Mumbai
Tel : 022-22049490
e-mail : mumbai@rm.beml.co.in

Nagpur
Tel : 0712-2248435
e-mail : nagpur@rm.beml.co.in

New Delhi
Tel : 011-23316500
e-mail : delhi@rm.beml.co.in

Ranchi
Tel : 0651-2560370
e-mail : ranchi@rm.beml.co.in

Sambalpur
Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in

Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 /092(c)

22.02.2020

CERTIFICATE

This is to certify that Ms. **RAKSHITHA (1NH16EC084)**,
BE (EC) student of **NEW HORIZON COLLEGE OF**
ENGINEERING, BANGALORE has successfully completed
her **"INTERNSHIP TRAINING"** from **11.01.2020** to
22.02.2020 as a part of her curriculum.

During her stay with us, she has evinced keen interest in her
"INTERNSHIP TRAINING" and her conduct and character
were **"GOOD"**. We wish her bright success for her future
endeavours.

For BEML LIMITED,

(H B LINGA REDDY)
Sr. MANAGER - TRAINING



बेंगलूर काम्प्लेक्स, पी.बी. संख्य 7501, नया तिप्पसंदरा पोस्ट, बेंगलूर - 560 075

BANGALORE COMPLEX : P.B. No. 7501, New Thippasandra Post, Bangalore - 560 075

दूरभाष / Ph. 080-25242414 (20Lines) फैक्स 080-25245545, 25242942, 25242419 ई-मेल e-mail : bemlcor@vsnl.com

irams : 'COMBAIR'
elefax : 080-25238493

Telephone: 25233060 / 25236562
25230327 / 25233024

ADA

AERONAUTICAL DEVELOPMENT AGENCY

(Ministry of Defence, Govt. of India)
P. B. No. 1718, Vimanapura Post, Bangalore-560 017, India.

ADA(Plan)/PJS/2020

04/03/2020

To
Head of the Department

Dear Sir / Madam,

Subject : Approval for undertaking B.E Project work

The following students of your institution can undertake the project work in our organisation as per the details furnished herein:

Sl. No	Name of the Student	From	To	Department / Group	Project Guide
1.	Rushab S G	09/03/2020	30/04/2020	IFCS	Krishna Kishore
2	Akshay Gambhir Sadalagi	"	"	"	"

In case, the student is not willing or not able to report for the project work on the stipulated date, (for whatsoever reasons), the same must be intimated to ADA in advance. Please note that ADA does not provide any industrial training

Since we are assigned with a Defence sensitive Programme, the following instructions should be followed by the student(s) assigned to the Project:

- Report at 0900 hours on the date of commencement of the project work at ADA with a copy of this letter, Conduct Certificate issued by your institution and two stamp size photographs
- Project work should commence and finish within the stipulated time. Please note that extension will not be provided.
- Student should read, understand and adhere to the 'Guidelines and Instructions on Security' while in ADA.
- Student will not be entitled for any stipend or compensation during the Project period
- Police verification issued by the local police authorities should be furnished before the student reports for project work.

Please acknowledge.


P Ramachandra 4/3/20
Director (Planning)

Copy to:
TD (IFCS)

AO (S & S) – to verify bonafide documents before issuing security pass

www.indiainfotech.net.in



Ref: IIT-2019-ITD-070

To

The Principal,

New Horizon College of Engineering,

Marathahalli,

Bangalore- 560103

Respected Sir/Madam,

Sub: Reg – Internship Training at India Infotech.

This is to certify that SAGAR (Reg.no: 1NH16EC090) undergoing his B.E(Electronics and communication) from New Horizon College Of Engineering, has completed his 45 days internship with project at this India infotech. All the necessary details were provided from our side for the establishment of the project.

During his Training period, he was punctual in all the duties assigned to him.

We wish him all the best for his future endeavors.

Thanks, and Regards,



(GM HR)

Place: Bangalore

India Info Tech

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by **SANNAPANENI PAVANI1NH16EC092** the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering Degree**.

Signature of the Guide
Mr. ASHOK

Sr. Asst. Prof.
Dept. of Electronics and
Communication
Engineering.

Signature of the HOD
**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics and
Communication
Engineering.

Signature of the Principal
Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAM/HRM/INP.TRG/2020/ 5710

Dated: 19. 05. 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Shri. Shaik. N. Basha, B.E., (ECE), IV Year student of New Horizon College of Engineering, Bangalore, has done INTERNSHIP in "AIRPORTS AUTHORITY OF INDIA" CHENNAI AIRPORT, from 24.02.2020 to 31.03.2020. During the period the student has been briefed on principles of Operations, application of various Electronics systems at Airport.

We, wish you all the best for your future endeavour.

(Meena Vinodhini Thirumurthy)
Manager (HR)
for Deputy General Manager (HR)

फैक्स : 044 - 2256 0008 इ पी ए बी एक्स : 2256 0551, चेन्नै एयरपोर्ट, चेन्नै - 600 016.

FAX : 044 - 2256 0008 EPABX : 2256 0551, Chennai Airport, Chennai - 600 016.



SHREYAS ENGINEERS

HVAC Engineers & Energy Auditors

Optimizing the Energy....

Date: March 19, 2020

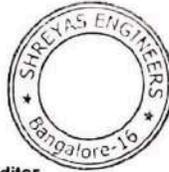
TO WHOM IT MAY CONCERN

This is to certify that **Mr. Shripad Aithal**, s/o G. Raghavendra, student of Electronics & Communication Engineering at New Horizon College of Engineering, Bangalore has successfully completed **45 days** (January 20, 2020 to March 19, 2020) long internship at Shreyas Engineers. During the period of his internship, he was found to be a quick learner with keen interest in a range of topics. He was very punctual, hardworking and dedicated towards the tasks assigned to him.

We wish him every success in his life.

For Shreyas Engineers,

Sathyanarayan Rao
Chief Executive & Energy Auditor





TRIDENT POWER SOLUTIONS

CERTIFICATE (TO WHOMSOEVER IT MAY CONCERN)

This is to certify that Mr. Siddesh L Jalageri pursuing BE in New Horizon College of Engineering, Bengaluru, has successfully completed his internship work in 'Solar power system design, operation and installation' dated from January 27th2020 to March 16th2020.

During his internship period his conduct and behaviour was good and he has shown keen interest to learn. This certificate is issued at his request for educational purpose only.

We wish him all the success in his future endeavours.

#1031, 13th Main, 4th Cross, HAL 2nd Stage, Indiranagar, Bangalore - 560 008

☎ : +91 8277603591

✉ : vishnu.l@tridentpowersolution.com

Website: www.tridentpowersolution.com



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **SIDDU JAGAN MOHAN REDDY(Reg.no:1NH16EC099)** undergoing his **ECE** from **NEW HORIZON COLLEGE OF ENGINEERING**, has completed his 45 days internship with project at this **UNI Q TECHNOLOGIES**. All the necessary details were provided from our side for the establishment of the project.

It is observed that he is sincere and prompt in discharging the duties assigned to his from time to time.

On behalf of our organization we wish him all the best in all his future endeavors.

Thanks & Regards



(HR Head)
(Bangalore Branch)

#1 Shifa Arcade, Bharathi Nagar 1st Street, North Usman Road, T-Nagar, Chennai – 600 017
044 - 42124943 | 95000 88927 | 96001 14466 | info@uniqtechnologies.co.in
www.uniqtechnologies.co.in

Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **SINDHU C R (REG No: 1NH16EC101)** Department of **B.E(Electronics and Communication)** from **New Horizon College of Engineering**, has completed her internship in our concern under the guidance.

Her internship period: **10th JANUARY 2020** to **04th MARCH 2020**.

During her Internship phase her performance has been rated as **GOOD**.

Thanks & Regards



(HR HEAD)

Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **CHALLA SIVA(1NH16EC102)** from **NEW HORIZON COLLEGE OF ENGINEERING**, Department of **ECE** on our organization and he is permitted to do his internship in our organization, from **27th JANUARY 2020** to **27th MARCH 2020** during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

DIGIADD

Technologies

136

CERTIFICATE OF COMPLETION

This is to verify that **Ms. SUSHMA** bearing USN **(1NH16EC105)**, a bonafide student of **NEW HORIZON COLLEGE OF ENGINEERING**, Bangalore has successfully completed his internship Project on domain "Internet of Things (IOT)" and project titled "Home Automation" under the guidance and supervision of Mr. Faizan Shukur Technical Head, DIGIADD TECHNOLOGIES Bangalore, from Feb 01st 2020 to March 20th 2020 in partial fulfillment for the award of Bachelor of Engineering (B E) from Visveswaraya Technological University, Belgaum.

"We wish him all the best in his future endeavors"

Mr. Sridhar P

DIGIADD TECHNOLOGIES
Yes Complex, # 193&4, 2nd Floor
Dinur Main Road, R.T. Nagar Post
BANGALORE - 560 032

Place: Bangalore

INTERNSHIP COMPLETION CERTIFICATE

This is to inform you that **Ms. T SAI DEEPTHI(USN: 1NH16EC107)** final year ECE student of "**NEW HORIZON COLLEGE OF ENGINEERING**" had successfully completed her internship on "**EMBEDDED SYSTEMS**" concern from **10th JANUARY 2020** to **04th MARCH 2020**.

We congratulate you on your presence with us. We are confident with that your excellence would bear the resemblance to success in the future endeavors.

With Regards,



• (Technical Lead)

Relentless System

Relentless Systems, No. 4/D Alagappan Street, Dasaradhapuram, Saligrammam, Chennai - 600 093

contact@relentlessystems.in | www.relentlessystems.in



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA



No. AAM/HRM/INP.TRG/2020/ 5710

Dated: 19. 05. 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **UDIT BAHUGUNA**, B.E., (ECE), IV Year student of New Horizon College of Engineering, Bangalore, has done INTERNSHIP in "AIRPORTS AUTHORITY OF INDIA" CHENNAI AIRPORT, from 24.02.2020 to 31.03.2020. During the period the student has been briefed on principles of Operations, application of various Electronics systems at Airport.

We, wish you all the best for your future endeavour.

(Meena Vinodhini Thirumurthy)
Manager (HR)
for Deputy General Manager (HR)

फ़ोन : 044 - 2256 0008 : इ-पी एच ई एक्स : 2256 0551, चेन्नै एयरपोर्ट, चेन्नै - 600 016.

FAX : 044 - 2256 0008 EPABX : 2256 0551, Chennai Airport, Chennai - 600 016.



भारतीय विमानपत्तन प्राधिकरण

No. AAM/HRM/INP.TRG/2020/ 5709



AIRPORTS AUTHORITY OF INDIA

Dated: 19. 05. 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Shri. Varun Mishra, B.E., (ECE), IV Year student of New Horizon College of Engineering, Bangalore, has done INTERNSHIP in "AIRPORTS AUTHORITY OF INDIA" CHENNAI AIRPORT, from 24.02.2020 to 31.03.2020. During the period the student has been briefed on principles of Operations, application of various Electronics systems at Airport.

We, wish you all the best for your future endeavour.

(Meena Vinodhini Thirumurthy)
Manager (HR)
for Deputy General Manager (HR)

फैक्स : 044 - 2256 0008 इ पी ए बी एक्स : 2256 0551, चेन्नै एयरपोर्ट, चेन्नै - 600 016.

FAX : 044 - 2256 0008 EPABX : 2256 0551, Chennai Airport, Chennai - 600 016.

Place: Bangalore

INTERNSHIP COMPLETION CERTIFICATE

This is to inform you that **A VISHNU VIKAS (USN: 1NH16EC107)** final year ECE student of "**NEW HORIZON COLLEGE OF ENGINEERING**" had successfully completed her internship on "**EMBEDDED SYSTEMS**" concern from **10th JANUARY 2020** to **04th MARCH 2020**.

We congratulate you on your presence with us. We are confident with that your excellence would bear the resemblance to success in the future endeavors.

With Regards,



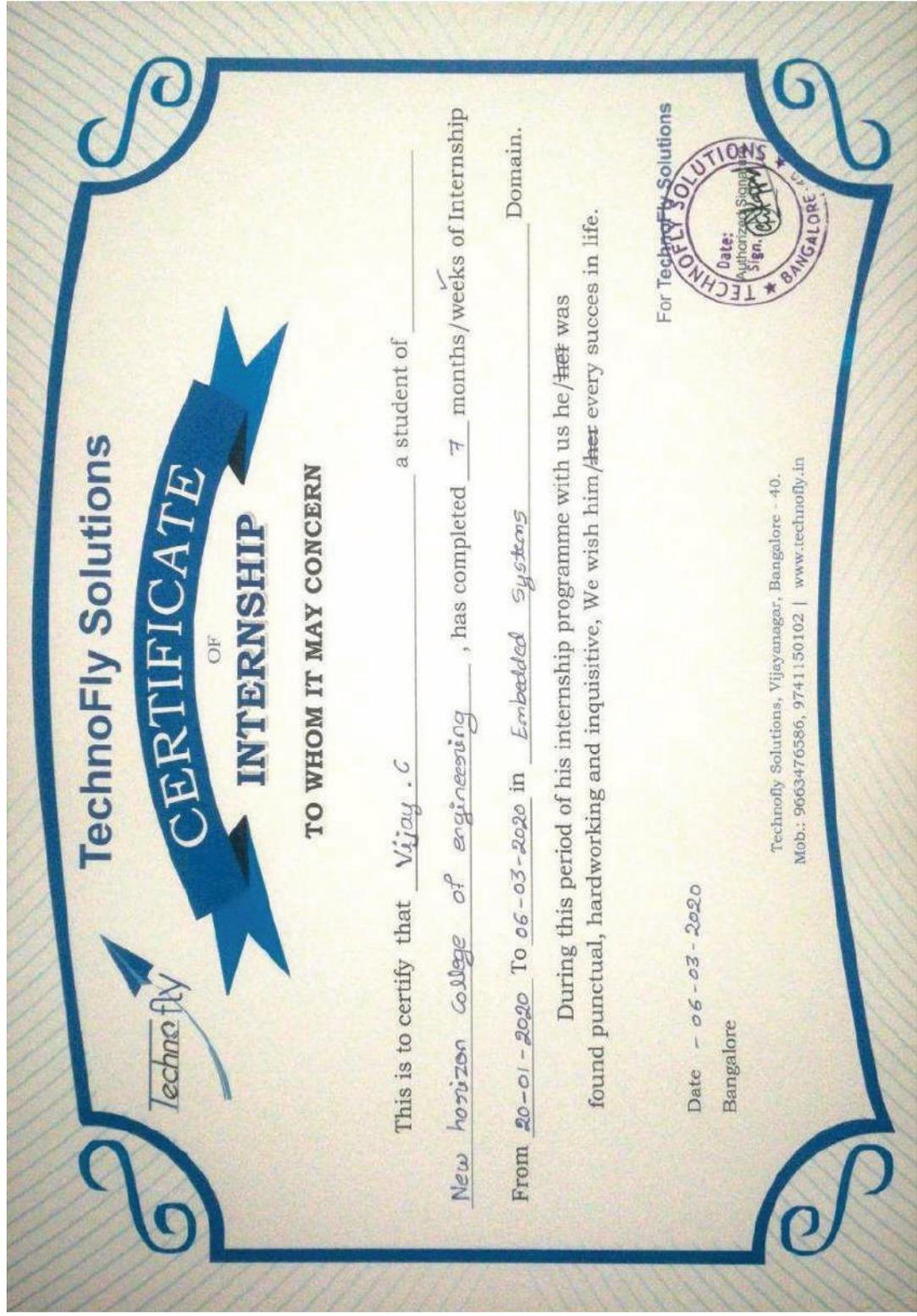
• (Technical Lead)

Relentless System

Relentless Systems, No. 4/D Alagappan Street, Dasarahapuram, Saligrammam, Chennai - 600 093

contact@relentlessystems.in | www.relentlessystems.in

CERTIFICATE OF INTERNSHIP FROM THE ORGANIZATION



Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **VIJAY KUMAR C (INH16EC115)** from **NEW HORIZON COLLEGE OF ENGINEERING**, Department of **ECE** on our organization and he is permitted to do his internship in our organization, from **27th JANUARY 2020** to **27th MARCH 2020** during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.



Technopôle du Madrillet
Avenue Galilée
76800 Saint Etienne du Rouvray – France

CERTIFICATE

I undersigned, Prof. Etienne CRAVE, General Manager of ESIGELEC, certify that :

Vijay SURESH

has been hosted in our School of Engineering from September 16 to November 29, 2019.
He took part in an exchange programme between ESIGELEC in France and New Horizon College of Engineering in India.

Saint-Etienne du Rouvray, December 9, 2019,

Signature of the receiver

Prof. Etienne CRAVE,
General Manager of ESIGELEC



DIGIADD

Technologies

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CERTIFICATE OF COMPLETION

This is to verify that **Mr. VISHWANATH** bearing USN **(1NH16EC118)**, a bonafide student of **NEW HORIZON COLLEGE OF ENGINEERING**, Bangalore has successfully completed his internship Project on domain "Internet of Things (IOT)" and project titled "Home Automation" under the guidance and supervision of Mr. Faizan Shukur Technical Head, DIGIADD TECHNOLOGIES Bangalore, from Feb 01st 2020 to March 20th 2020 in partial fulfillment for the award of Bachelor of Engineering (B E) from Visveswaraya Technological University, Belgaum.

"We wish him all the best in his future endeavors"

Mr. Sridhar P

DIGIADD TECHNOLOGIES
Yes Complex, # 193&4, 2nd Floor
Dinur Main Road, R.T. Nagar Post
BANGALORE - 560 032

ESIGELEC 

Technopôle du Madrillet
Avenue Galilée
76800 Saint Etienne du Rouvray - France

CERTIFICATE

I undersigned, Prof. Etienne CRAYE, General Manager of ESIGELEC, certify that :

Yathin SRINIVASAMURTHY

has been hosted in our School of Engineering from September 16 to November 29, 2019.
He took part in an exchange programme between ESIGELEC in France and New Horizon College of Engineering in India.

Saint-Etienne du Rouvray, December 9, 2019,

Signature of the receiver

Prof. Etienne CRAYE,
General Manager of ESIGELEC



Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that YASHWANTH JM (INH16EC122) from NEW HORIZON COLLEGE OF ENGINEERING, Department of ECE on our organization and he is permitted to do his internship in our organization, from 27th JANUARY 2020 to 27th MARCH 2020 during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

Certificate of internship from the organization



SOUTHERN
Chips & Circuits (P) Ltd.
58/4 Muni Reddy Industrial Area
Kudlu Village Singasandra Post
Bangalore - 560 068
Telefax : 91-80-25733423, 25731157
e-mail : reachus@southernchips.com
www.southernchips.com

Bangalore

05th March 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. M Yeshwanth** bearing US No: 1NH16EC124, studying 8th Semester, BE in **Electronics & Communication** from **New Horizon College of Engineering**, has successfully completed his Internship starting from **21-Jan-2020 to 05-Mar-2020**. The student was given extensive training and detailed briefing in our manufacturing areas with exposure to the Departments.

During the period of his Internship, we found him to be sincere, hardworking and a keen learner.

We wish him all the very best for future assignments and career aspirations.

For Southern Chips & Circuits Pvt. Ltd

Authorized Signatory



Certificate of internship from the organization



SOUTHERN

Chips & Circuits (P) Ltd.

58/4 Muni Reddy Industrial Area

Kudlu Village Singasandra Post

Bangalore - 560 068

Telefax : 91-80-25733423, 25731157

e-mail : reachus@southernchips.com

www.southernchips.com

Bangalore

05th March 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Yeshwanth M L** bearing US No: 1NH16EC125, studying 8th Semester, **BE in Electronics & Communication** from **New Horizon College of Engineering**, has successfully completed his Internship starting from **22-Jan-2020 to 05-Mar-2020**. The student was given extensive training and detailed briefing in our manufacturing areas with exposure to the Departments.

During the period of his Internship, we found him to be sincere, hardworking and a keen learner.

We wish him all the very best for future assignments and career aspirations.

For Southern Chips & Circuits Pvt. Ltd

Authorized Signatory



Certificate of internship from the organization



SOUTHERN
Chips & Circuits (P) Ltd.
58/4 Muni Reddy Industrial Area
Kudlu Village Singasandra Post
Bangalore - 560 068
Telefax : 91-80-25733423, 25731157
e-mail : reachus@southernchips.com
www.southernchips.com

Bangalore

05th March 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that SIMON CHAUHAN bearing US No: 1NH16EC128, studying 8th Semester, BE in Electronics & Communication from New Horizon College of Engineering, has successfully completed his Internship starting from 22-Jan-2020 to 05-Mar-2020. The student was given extensive training and detailed briefing in our manufacturing areas with exposure to the Departments.

During the period of his internship, we found him to be sincere, hardworking and a keen learner.

We wish him all the very best for future assignments and career aspirations.

For Southern Chips & Circuits Pvt. Ltd

Authorized Signatory



Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **KARTHIK KS (INH16EC139)** from **NEW HORIZON COLLEGE OF ENGINEERING**, Department of **ECE** on our organization and he is permitted to do his internship in our organization, from **27th JANUARY 2020** to **27th MARCH 2020** during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

Ref-TFT/INT/2020/060

Date: 25-03-2020

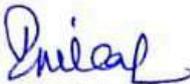
TO WHOM IT MAY CONCERN

This is to certify that, Mr VIJAYKUMAR Y VALMIKI (1NH16EC430), Student of New Horizon College of Engineering, Bangalore, has successfully completed his internship in our organization, in "Tech-Fortune technologies", Bangalore, from 25th Jan 2020 to March 19th 2020.

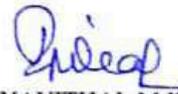
He was working on the project "Home Automation Application based on Arduino Controllable from Mobile", the time he joined, he was very fast to pick up the technical details of the project, and he was really hardworking and capable.

We wish him all the very best for a successful career ahead.

For Tech-Fortune technologies


Authorized signature




VIJAYAVITHAL M ILLAL
Technical Director
Tech-Fortune technologies

TECH-FORTUNE TECHNOLOGIES

#18, 22nd Main, Subbanna Garden, Vijayanagar Bangalore-560040

www.indiainfotech.net.in

Ref: IIT-2019-ITD-070



To

The Principal,

New Horizon College of Engineering,

Marathahalli,

Bangalore- 560103

Respected Sir/Madam,

Sub: Reg – Internship Training at India Infotech.

This is to certify that **ABHISHEK KHOT** (Reg.no: 1NH16EC702) undergoing his B.E(Electronics and communication) from New Horizon College Of Engineering, has completed his 45 days internship with project at this India infotech. All the necessary details were provided from our side for the establishment of the project.

During his Training period, he was punctual in all the duties assigned to him.

We wish him all the best for his future endeavors.

Thanks, and Regards,



(GM HR)

Place: Bangalore

India Info Tech

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.



REF : HPPL/IT/2020-21

DATE : 06/05/2020

CERTIFICATE

This is to certify that Akshay V who is a student of B.E.(ECE). New Horizon College of Engineering, Bangalore has undergone Internship Training at Hydroline Products Pvt.. Ltd. Bangalore from 13th January 2020 to 2nd March 2020. The title of the internship is 'FIRE ALARM SYSTEM IN GREENHOUSE GAS'. He has been punctual, sincere and committed trainee. His conduct has been Very Good.

The student brings in a lot of energy and enthusiasm in the work, he is structured in his approach and methodical in resolving a problem. He is resourceful and adaptive to working environment.

For Hydroline Products Pvt Ltd.


Authorised Signatory

HYDROLINE PRODUCTS PVT. LTD.

FACTORY : 37/1 & 37/2, CHEEMASANDRA VILLAGE, OFF OLD MADRAS ROAD, VIRGONAGAR PO., BANGALORE - 560 049, INDIA
TEL : +91 80 2847 3911 - 16
E-MAIL : sales@hydroline.com WEB : <http://www.hydroline.com>

Date – June 1st, 2020

TO WHOMSOEVER IT MAY CONCERN

Sub: Technical Trainee

This is to certify that Ms Anita Chauhan, has successfully completed her Foundation Training in our organization as a Technical trainee.

The details of the training are as follows:

Training : Full Stack Training
Start Date : January 21st, 2020
End Date : May 29th, 2020
Department Head : Muruganantham A

During the above-mentioned period we found her to be sincere, hardworking and obedient.

Yours faithfully,
For **HEXAWARE TECHNOLOGIES LIMITED**

Monica Mathur

Monica Mathur
Associate Vice President, Recruitment

HEXAWARE TECHNOLOGIES LTD.

Regd. office: Bldg No. 152, Millennium Business Park, Sector - III, 'A' Block, TTC Industrial Area, Mahape,
Navi Mumbai, 400710, Tel. : +91 22 6791 9595, Fax : +91 22 6791 9500
(CIN) : L72900MH1992PLC069662 URL: www.hexaware.com



CHAPTER 1: CERTIFICATE OF INTERNSHIP FROM ORGANIZATION



Date – June 1st, 2020

TO WHOMSOEVER IT MAY CONCERN

Sub: Technical Trainee

This is to certify that Ms Anju Gopinath, has successfully completed her Foundation Training in our organization as a Technical trainee.

The details of the training are as follows:

Training : Full Stack Training
Start Date : January 21st, 2020
End Date : May 29th, 2020
Department Head : Muruganantham A

During the above-mentioned period we found her to be sincere, hardworking and obedient.

Yours faithfully,
For **HEXAWARE TECHNOLOGIES LIMITED**

Monica Mathur

Monica Mathur
Associate Vice President, Recruitment



HEXAWARE TECHNOLOGIES LTD.

Regd. office: Bldg No. 152, Millennium Business Park, Sector - III, 'A' Block, TTC Industrial Area, Mahape,
Navi Mumbai, 400710, Tel. : +91 22 6791 9595, Fax : +91 22 6791 9500
(CIN) : L72900MH1992PLC069662 URL: www.hexaware.com



**NEW HORIZON
COLLEGE OF ENGINEERING**

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA



TOP ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2019

Ministry of Human Resource Development, Government of India

An Internship Report on

“Embedded Systems”

**Submitted in partial fulfillment for the award of degree of
Bachelor of Engineering**

In

Electronics and Communication Engineering

2019-2020

Submitted by

B Vamsi Krishna Reddy-1NH16EC710

Under the Guidance of

Internal Guide

Mrs. Monika

(Senior Asst. Prof, NHCE)

External Guide

Mr. Arul Antony

(India Infotech)

DECLARATION

I, **B Vamsi Krishna Reddy** student of BE in Electronics and communication and Engineering at New Horizon College of Engineering, Bangalore, hereby declare that this internship work entitled **“EMBEDDED SYSTEMS”** is an original and bonafide work carried out by me at **India Infotech**, Bangalore in particular internship during the **academic year 2019-20**.

I also declare that, to the best of my knowledge the work reported here is not from any other thesis or dissertation on the basis of which the degree or award was conferred on an earlier occasion by any student.

Place: Bangalore

Date: 19/05/20

B Vamsi Krishna Reddy

(1NH16EC710)



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Government of India Undertaking)
इण्डस्ट्रियल सिस्टम्स ग्रुप
INDUSTRIAL SYSTEMS GROUP

फोन/Phone : +91 80 22184035
फैक्स/Fax : +91 80 23562713
ई-मेल/E-mail : bmc@bhel.in
पी.बी.नं 1249, प्रो. सी एन आर राव सर्कल
आईआईएससी पोस्ट मल्लेश्वरम
560 012
P.B. No.1249, Prof. C N R Rao Circle
IISc Post Malleswaram
Bengaluru -560 012

(HUMAN RESOURCE MANAGEMENT)

IS-02-HRD-16/869/BMC/2019-20

March 12th, 2020

CERTIFICATE

This is to certify that Ms. Gagana M R, who is pursuing her studies for the award of "BE (ECE)" from New Horizon College of Engineering, Bangalore has successfully completed her Internship in "Introduction to PLC Programming and its Applications in Industrial Automation" work at Industrial Systems Group, Bharat Heavy Electricals Limited, for a period of 6 Weeks from 23-01-2020 to 12-03-2020.

C. Banumathi

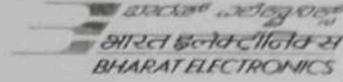
Chief Training Coordinator /HRD

ಶ್ರೀ. ಭಾನುಮತಿ, ಹಿರಿಯ ಉ.ಪ್ರ. ವ್ಯವಸ್ಥಾಪಕರು/ಮಾ.ಸಂ.
ಶ್ರೀ. ಭಾನುಮತಿ, ವರಿ. ಉಪ ಮಹಾಪ್ರबंधक/मा.सं.
C. BANUMATHI, SR.DY.GENL. MANAGER/HR
BHEL-ISG, IISc Post, BENGALURU-12



पंजीकृत कार्यालय 'बीएचईएल हाउस' सिरी फोर्ट, नई दिल्ली - 110 049
वेबसाइट: www.bhel.com कॉर्पोरेट पहचान संख्या: L74899DL1964GOI004281
Regd. Office: 'BHEL House' Siri Fort, New Delhi - 110 049
Website: www.bhel.com Corporate Identity Number: L74899DL1964GOI004281





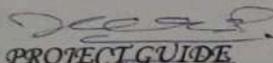
भारत इलेक्ट्रॉनिक्स लिमिटेड
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
जालहल्ली पोस्ट, बेंगलूर - 560 013, भारत
BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, **BENGALURU - 560 013, India**
फोन / Phone :
फैक्स / Fax :
ईमेल / E-mail :

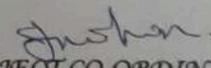
1410/CLD/HR/2019-20/27/734
19-Feb-2020

CENTRE FOR LEARNING AND DEVELOPMENT CERTIFICATE

*This is to certify that Ms .GOWRI SNEHA PRIYA S student of
NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU
has undergone Internship in BEL from 06-01-2020 to 19-02-2020 and
has undergone Orientation in "(MIL.COM)" Department.*

*He / She was regular and punctual in his / her attendance and
his/her conduct was satisfactory during the period.*


PROJECT GUIDE
MRITYUNJAY HERDE
STAFF IN CHARGE
VINEET KUMAR
MANAGER HR / CLD / MIL.COM


PROJECT CO-ORDINATOR (CLD)
मोहन कुमार आर
MOHAN KUMAR. R
BC E 212277
वरिष्ठ सहायक अभियंता, मा.सं / सीएलडी
SR. ASST. ENGINEER, HR / CLD:

पंजीकृत एवं कारपोरेट आफिस : नागावारा, आउटर रिंग रोड, बेंगलूर - 560 045, भारत
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bengaluru - 560 045, India
सी आई एन / CIN : L32309KA1954GO1000787
आई एस ओ / ISO 9001 and 14001 प्रमाणित कंपनी / Certified Company



INTERNSHIP COMPLETION CERTIFICATE

Date: 20.05.2020

TO WHOM IT MAY CONCERN

This is to certify that **Gurram Venkata Nikesh** a student of Bachelor of Engineering (ECE-4th year) at New Horizon College of Engineering has successfully completed internship program with us (**20th January,2020 to 6th March,2020**). During the internship program with EasyStepIn he was found punctual, hardworking and inquisitive.

We wish him every success in life.

For EasyStepIn IT Services Private Limited.

A circular stamp with the text "EasyStepIn IT Services Pvt. Ltd." around the top edge and "Bangalore" at the bottom. In the center, the word "Signature" is written. To the right of the stamp is a handwritten signature in black ink.

Jennu Sowndarya Cheruvupalli
HR Department

EASYSSTEPIN IT SERVICES PRIVATE LIMITED

Address: #43, SGR Plaza,1st Floor, Opp. Marathahalli Market Bus Stop, Marathahalli, Bangalore560037, Karnataka,India.Tel:080-48905420, Email ID: hr@easystepin.com, website: <http://www.easystepin.com>

148



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Government of India Undertaking)
इण्डस्ट्रियल सिस्टम्स ग्रुप
INDUSTRIAL SYSTEMS GROUP

फोन/Phone : +91 80 22184035
फैक्स/Fax : +91 80 23562713
ई-मेल/E-mail : bmc@bhel.in
पी. बी. नं. 1249, प्रो. सी. एन. राव सर्कल
आई.आई.टी. पोस्ट मल्लेश्वरम
- 560 012
P.B. No. 1249, Prof. C. N. R. Rao Circle
IISc Post, Malleshwaram
Bangalore-560 012

(HUMAN RESOURCE MANAGEMENT)

IS-02-HRD-16/869/BMC/2019-20

March 12th, 2020

CERTIFICATE

This is to certify that Ms. HARSHITA P who is pursuing her studies for the award of "BE (ECE)" from New Horizon College of Engineering, Bangalore has successfully completed her Internship in "Introduction to PLC Programming and its Applications in Industrial Automation" work at Industrial Systems Group, Bharat Heavy Electricals Limited, for a period of 6 Weeks from 23-01-2020 to 12-03-2020.

C. Banumathi

Chief Training Coordinator /HRD

सी. बानुमती, वरि. उप महाप्रबंधक/मा.सं.
C. BANUMATHI, SR. DY. GENL. MANAGER/HR
BHEL JSG, IISc Post, BENGALURU-12



पंजीकृत कार्यालय 'बीएचईएल हाउस' सिरि फोर्ट, नई दिल्ली - 110 049

वेबसाइट: www.bhel.com कॉर्पोरेट पहचान संख्या: L74899DL1964GOI004281

Regd. Office: 'BHEL House' Siri Fort, New Delhi - 110 049

Website: www.bhel.com Corporate Identity Number: L74899DL1964GOI004281



Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MITHUN KUMAR (INH16EC719)** from **NEW HORIZON COLLEGE OF ENGINEERING**, Department of **ECE** on our organization and he is permitted to do his internship in our organization, from **27th JANUARY 2020** to **27th MARCH 2020** during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.



KONIGTRONICS (OPC) PRIVATE LIMITED

Website: www.konigtronics.com

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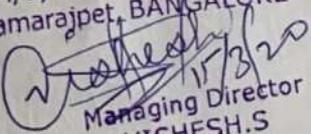
Date: 15/03/2020

INTERNSHIP LETTER

This is to certify that **Mr. Kiran Sagar N P**, a student of ECE, bearing **USN: 1NH16EC720** has successfully completed his internship with our company, was working on *Data Analytics and Machine Learning* from **15/1/2020** to **09/03/2020**.

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

We wish him all the best for his future endeavors.

Thanking you,
KONIGTRONICS (OPC) PRIVATE LIMITED
4/1, 1st Floor, 5th Main, 5th Cross
Chamarajpet, BANGALORE - 560 018

Managing Director
VISHESH.S



Regards

Vishesh S (CIN: U80904KA2017OPC99075)

Managing Director

DIN: 07685912

Konigtronics (OPC) Private Limited

**THIS CERTIFICATE IS VALID ONLY WHEN YOU SCAN THE QR CODE AND REPORT THE
SAME TO THE SIGNING AUTHORITY - visheshniranjan31@gmail.com or +91 9380497511**



CERTIFICATE

TSC Technologies Pvt. Ltd.
UNISEC-India, #3, First Main,
BDA Layout, HAL 2nd Stage,
Kodihalli, Bangalore
Karnataka 560008

Mr. Lingraj Jamkhandi
Department of ECE
New Horizon College
of Engineering,
Bangalore 560103

11th April 2020

This is to certify that Mr. Lingraj Jamkhandi has done his internship in TSC Technology Pvt. Ltd., Bangalore from 5th Feb, 2020 to 20th March, 2020.

He has worked on project titled CanSat. This project was aimed to demonstrate the application of CubeSat. The project was completed and launched successfully using a drone. As part of the project, he designed the CanSat structure, PCBs and developed embedded firmware and tested successfully.

During the internship he demonstrated good design skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the project successfully on time.

We wish him all the best for his future endeavors.

Warm regards,

Nikhil Riyaz
Director

TSC Technologies Pvt. Ltd.

OFFER LETTER



Extramarks Education India Private Limited
D-180, Sector-63, Noida, U.P. - 201301, India
Ph. : +91-120-4175300

Date:27-Dec-2019

Name:MANisha

Location: Karnataka,

Address: C02CBlockBmtcQuaters17fcrossIndiranagar,Bangalore-560038,Bangalore,Karnataka-560038

Dear M,

Subject: Offer letter of employment as **Business Development Executive**.

With reference of your application and subsequent interview with us, we are pleased to offer you the position of **Business Development Executive**. Your cost to company (CTC) and other terms of service shall be as per the discussion you had with us.

We would expect you to join as early as possible but not later than **13-Jan-2020**, beyond which the offer would stand withdrawn, unless a new date is mutually agreed upon, and confirmed in writing.

As the first step to joining, we would require you to kindly upload the following documents.

- Copies of Educational Certificates.
- Passport size photographs.
- Last pay slip received from the previous employer.
- Clearance from previous employer.
- Address Proof.
- Identification Proof(PAN Card/Driving License/Voter ID/Passport Copy).
- PF documents (Form 11 & Form 2).
- Reference sheet form.
- Adherence to Anti Corruption Policy.

You are being offered the above position on the basis of authenticity of the information, preliminary documents (if any) provided/submitted by you about your education, experience etc. This offer letter (including the appointment, if made) can be withdrawn/terminated at any point in time (without any legal liability on the Company), if the information provided by you is/are found to be untrue/false.

You agree, acknowledge and authorize the Company to carry out necessary verification, background check on you (which may be carried out by a third party) from your institution, college, previous employer etc. Should the Company receive any negative feedback during such verification, background check, the Company shall be well within its right to withdraw/terminate this offer letter (including your appointment, if made) without any legal liability on the Company.

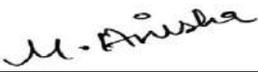
We are confident you will find this new opportunity both challenging and rewarding. We are excited to have you on board and wish you a great career ahead!

Sincerely,



HR Department

I have been explained the terms and conditions of my employment and I have understood the same and accept them entirely. I shall join service on or before **13-Jan-2020**.



Accepted

Registered Office : 506, Surya Kiran Building, 19 K.G. Marg, Connaught Place, New Delhi - 110 001.
Ph. : +91-011-40392333 / Fax : +91-011-23733114/ CIN : U80900DL2015FTC283323 / www.extramarks.com

ವಿಮಾನ ವಿಭಾಗ / ಆವರಣ ಪ್ರಭಾಗ / AIRCRAFT DIVISION
ಬೆಂಗಳೂರು ಸಂಕೀರ್ಣ / ಬೆಂಗಳೂರು ಕಾಂಪ್ಲೆಕ್ಸ್ / BANGALORE COMPLEX
ಹಿಂದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
HINDUSTAN AERONAUTICS LIMITED



ಪೋಸ್ಟ್ ಬ್ಯಾಗ್ ನಂ. 1788, ಬೆಂಗಳೂರು-560017, ಭಾರತ
Post Bag No.1788, Bengaluru-560017, India
Ph. : 91 - 80 - 2231 1741
Fax : 91 - 80 - 2231 5188

No.A.HR/509/147/2020

March 10, 2020

CERTIFICATE

This is to certify that **Ms. M Priyadarshini**, USN INH16EC724 a bonafide BE(Electronics & Communication Engg) student of New Horizon College of Engineering -has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 27.01.2020 to 05.03.2020.

2. We wish her All the Best, Good Luck and Success in her future endeavors.

Ms. M Priyadarshini,
BE(Electronics & Communication Engg),
New Horizon College of Engineering
Bangalore.

(Arockia Jothi B)
Senior Manager (HR)

ಬಿ. ಆರೋಕ್ಯಾ ಜೋತಿ / B. AROCKIA JOTHI
ಸಿನಿಯರ್ ಮ್ಯಾನೇಜರ್ (HR) - ಆವರಣ ಪ್ರಭಾಗ
Senior Manager (HR) Aircraft Division
ಆವರಣ (ಬಿ. ಜಿ) / HAL (BC)

ನೋಂದಾಯಿತ ಕಛೇರಿ : 15/1, ಕಬ್ಬನ್ ರಸ್ತೆ, ಬೆಂಗಳೂರು-560001, ಭಾರತ
पंजीकृत कार्यालय : 15 /1, कब्बन रोड, बेंगलूरु - 560 001, भारत
Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India



Scanned with CamScanner

ಸಿ. ಐ. ಎನ್ / ಸಿ. ಆರ್. ಇನ್ / CIN: U35301KA1963GOI001622 ಟಿ / ಇ / ಇ / E : ma.haffiz@hal-india.com

www.hal-india.com

www.indiainfotech.net.in

Ref: IIT-2019-ITD-070



To

The Principal,

New Horizon College of Engineering,

Marathahalli,

Bangalore- 560103

Respected Sir/Madam,

Sub: Reg – Internship Training at India Infotech.

This is to certify that MANJUNATH T (Reg.no: 1NH16EC726) undergoing his B.E(Electronics and communication) from New Horizon College Of Engineering, has completed his 45 days internship with project at this India infotech. All the necessary details were provided from our side for the establishment of the project.

During his Training period, he was punctual in all the duties assigned to him.

We wish him all the best for his future endeavors.

Thanks, and Regards,



(GM HR)

Place: Bangalore

India Info Tech

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.



KONIGTRONICS (OPC) PRIVATE LIMITED

Website: www.konigtronics.com

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Date: 15/03/2020

INTERNSHIP LETTER

This is to certify that **Mr. Mansoor Elahi**, a student of ECE, bearing USN: **1NH16EC727** has successfully completed his internship with our company, was working on *Networking and Data Communication* from **15/1/2020** to **09/03/2020**.

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

We wish him all the best for his future endeavors.

Thanking You,
KONIGTRONICS (OPC) PRIVATE LIMITED
4/1, 1st Floor, 5th Main, 5th Cross
Chamaraipet, BANGALORE - 560 018
Vishesh S
Managing Director
VISHESH.S



Regards

Vishesh S (CIN: U80904KA2017OPC99075)

Managing Director

DIN: 07685912

Konigtronics (OPC) Private Limited

**THIS CERTIFICATE IS VALID ONLY WHEN YOU SCAN THE QR CODE AND REPORT THE
SAME TO THE SIGNING AUTHORITY - visheshniranjan31@gmail.com or +91 9380497511**



INTERNSHIP COMPLETION CERTIFICATE

Date: 20.05.2020

TO WHOM IT MAY CONCERN

This is to certify that **Mopuru Siva Naga Muni Reddy** a student of Bachelor of Engineering (ECE-4th year) at New Horizon College of Engineering has successfully completed internship program with us (**20th January,2020 to 6th March,2020**). During the internship program with EasyStepIn he was found punctual, hardworking and inquisitive.

We wish him every success in life.

For EasyStepIn IT Services Private Limited.

A circular stamp of EasyStepIn IT Services Pvt. Ltd. with the text "Signature" and "Bazhupalli" inside. A handwritten signature in black ink is written over the stamp.

Jennu Sowndarya Cheruvupalli
HR Department

EASYSSTEPIN IT SERVICES PRIVATE LIMITED

Address: #43, SGR Plaza,1st Floor, Opp. Marathahalli Market Bus Stop, Marathahalli, Bangalore560037, Karnataka,India.Tel:080-48905420, Email ID: hr@easystepin.com, website: <http://www.easystepin.com>

ISO 9001:2015 CERTIFIED

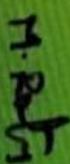
CERTIFICATE OF COMPLETION

This is to certify that THIRAK PRASAD.N

has successfully completed **mini project** in PL16FB77A

entitled ROOM TEMPERATURE MONITORING


Program Coordinator


Trainer

CERTIFICATE OF MERIT

This is to certify that THILAK PRASAD.N (Reg No. INH16EC731) has
successfully completed the internship in EMBEDDED SYSTEM Application Development in our
concern from 21-01-2020 to 06-03-2020.

During the internship period, the performance of the intern was found to be Good.

R. Asha



Program Coordinator

HR Head



National Apprenticeship Training Scheme (NATS)

Ministry of Education

Department of Higher Education, Government of India



Beta

Student User Manual

Student Enrollment has been created successfully

Dear Student,

Please find details of your enrollment and login below. Do note that you can log into the portal using email ID and Password

Email ID : nishanaik.ank19@gmail.com

Password : Nishanew19@

Note: **USER ID** will be generated and sent via Email after verification by the respective Regional Board. Once verified, your details cannot be modified. Until verification, to change the entered details, you can login using email ID or mobile number.

An email has been sent to your ID with login credentials along with your enrollment details Please check spam folder if you are unable to find it in your inbox

[Disclaimer](#) | [Privacy](#) | [Contact Us](#)

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No.A.HR/509/ 149 /2020

March 10, 2020

CERTIFICATE

This is to certify that **Ms. Niveditha R**, USN 1NH16EC736 a bonafide BE(Electronics & Communication Engg) student of New Horizon College of Engineering has successfully completed her Internship at Aircraft Division, HAL, Bangalore from 27.01.2020 to 05.03.2020.

2. We wish her All the Best, Good Luck and Success in her future endeavors.

Ms. Niveditha R,
BE(Electronics & Communication Engg),
New Horizon College of Engineering
Bangalore.


(Arockia Jothi B)
Senior Manager (HR)
ಬಿ ಆರೋಕ್ಯಾ ಜೋತಿ / B AROCKIA JOTHI
ಸೀನಿಯರ್ ಮ್ಯಾನೇಜರ್ (ಹಿ ಆರ್) - ಆವಕಾಪದ ವಿಭಾಗ
Senior Manager (HR)-Aircraft Division
ಬೆಂಗಳೂರು (ಬಿ ಸಿ) / HAL (BC)

ಸೇವಾಧಿಕಾರಿಗಳ ಕಛೇರಿ : ೧೫/೧, ಕಬ್ಬನ್ ರೋಡ್, ಬೆಂಗಳೂರು-೫೬೦೦೦೧, ಭಾರತ
पंजीकृत कार्यालय : 15 /1, कबुन रोड, बेंगलूरु - 560 001, भारत
Registered Office : 15 /1, Cubbon Road, Bengaluru - 560 001, India

ಸಿ ಐ ಎಲ್ / ಸಿ ಆರ್ ಎನ್ / CIN: U35301KA1963GOI001622 ಫ / ಓ / E : ma.haffiz@hal-india.com

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work entitled "**Study on Predictive Maintenance for Wind Turbine Rotor**" carried out by **PAWAN KUMAR SRIVASTAVA (1NH16EC739)** a bonafide student of **New Horizon College of Engineering, Bengaluru**, in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019 - 2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The internship work has been approved as it satisfies the academic requirements in respect of internship work prescribed for the **Bachelor of Engineering** degree.

Signature of the Guide

Dr. M JAYANTHI
Associate Professor-ECE
Dept. of Electronics and
Communication Engineering

Signature of the HOD

Dr. SANJEEV SHARMA
Prof. and HoD-ECE
Dept. of Electronics and
Communication Engineering

Signature of the Principal

Dr. MANJUNATHA
Principal
NHCE

Name of the student:

**Pawan Kumar
Srivastava**

University Seat

Number:

1NH16EC739

External Viva

Examiner

- 1.
- 2.

Signature with date:

Date – June 1st, 2020

TO WHOMSOEVER IT MAY CONCERN

Sub: Technical Trainee

This is to certify that Ms Pooja P Chouhan, has successfully completed her Foundation Training in our organization as a Technical trainee.

The details of the training are as follows:

Training : Full Stack Training
Start Date : January 21st, 2020
End Date : May 29th, 2020
Department Head : Muruganantham A

During the above-mentioned period we found her to be sincere, hardworking and obedient.

Yours faithfully,
For **HEXAWARE TECHNOLOGIES LIMITED**

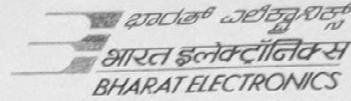
Monica Mathur

Monica Mathur
Associate Vice President, Recruitment

HEXAWARE TECHNOLOGIES LTD.

Regd. office: Bldg No. 152, Millennium Business Park, Sector - III, 'A' Block, TTC Industrial Area, Mahape,
Navi Mumbai, 400710, Tel. : +91 22 6791 9595, Fax : +91 22 6791 9500
(CIN) : L72900MH1992PLC069662 URL: www.hexaware.com





भारत इलेक्ट्रॉनिक्स लिमिटेड
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
जालहल्ली पोस्ट, बेंगलूरु - 560 013, भारत
BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Jalahalli Post, **BENGALURU - 560 013, India**
फोन / Phone :
फैक्स / Fax :
ईमेल / E-mail :

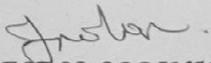
1410/CLD/HR/2019-20/27/735
19-Feb-2020

CENTRE FOR LEARNING AND DEVELOPMENT CERTIFICATE

This is to certify that Ms .RAMYA R student of NEW HORIZON COLLEGE OF ENGINEERING , BENGALURU has undergone Internship in BEL from 06-01-2020 to 19-02-2020 and has undergone Orientation in "(MIL.COM)" Department.

He / She was regular and punctual in his / her attendance and his/her conduct was satisfactory during the period.


PROJECT GUIDE
WRITING DATA REGDE
STAFF No 217842
प्रबंधक: प्रोजेक्ट एवं सॉल्यू / मिनरजॉन
MANAGER, NW & CS / MIL.COM


PROJECT CO-ORDINATOR (CLD)
मोहन कुमार. आर
MOHAN KUMAR. R
BC E 212277
सहायक अभियंता, मा.सं / सीएलडी
S/O: ASSIST. ENGINEER, HR / CLD.

9914 041 002 19

पंजीकृत एवं कारपोरेट आफिस : नागावारा, आउटर रिंग रोड, बेंगलूरु - 560 045, भारत
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bengaluru - 560 045, India
सी आई एन / CIN : L32309KA1954GOI000787
आई एस ओ / ISO 9001 and 14001 प्रमाणित कंपनी / Certified Company

Date: 20.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **RUCHIKA PRADEEP (INH16EC746)** from **NEW HORIZON COLLEGE OF ENGINEERING**, Department of **ECE** on our organization and she is permitted to do her internship in our organization, from **21st JANUARY 2020** to **21st MARCH 2020** during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

Ref: IIT-2019-ITD-070

Date: 20.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **S SARAVANA (Reg.no: 1NH16EC747)** undergoing his **B.E(Electronics and communication)** from **NEW HORIZON COLLEGE OF ENGINEERING**, has completed his 45 days internship with project at this India infotech. All the necessary details were provided from our side for the establishment of the project. During his Training period, he was punctual in all the duties assigned to him. We wish him all the best for his future endeavors.

Thanks, and Regards,



(GM HR)
India Info Tech

Place: Bangalore

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in



वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्
राष्ट्रीय वांतरिक्ष प्रयोगशालाएं
Council of Scientific & Industrial Research
National Aerospace Laboratories

पो.बी.संख्या / P.B. No. 1779, एचएएल एयरपोर्ट रोड / HAL Airport Road, बेंगलूरु / Bengaluru - 560 017, भारत / INDIA
फोन (का) / Phone(Off.) : +91-80-2527 3351-54, 2508 6000-6599 ; फेक्स / Fax : +91-80-2526 0862, 2527 0670
वेबसाइट / Website : <http://www.nal.res.in>

CERTIFICATE

This is to certify that Mr. S. Shyam (1NH16EC748), a student of 4th year BE, Department of Electronics and Communication Engineering, New Horizon College of Engineering, Bangalore, Karnataka had done his internship work at Multi Sensor Data Fusion Lab, Flight Mechanics and Control Division, Bangalore from 26/02/2020 to 15/04/2020. He had been worked on "Cyclic Redundancy Check using VHDL". His character and conduct during his stay were good.

V. partsalan war 15/6/20

Dr. VPS Naidu
Scientist F & Professor (AcSIR)
Multi-Sensor Data Fusion Lab
Flight Mechanics and Control Division
CSIR - National Aerospace Laboratories,
Bangalore-17, India.



भारत इलेक्ट्रॉनिक्स लिमिटेड
BHARAT ELECTRONICS

भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)
जalahalli पोस्ट, बेंगलूरु - 560 013, भारत

BHARAT ELECTRONICS LIMITED

(A Govt. of India Enterprise, Ministry of Defence)

Jalahalli Post, BENGALURU - 560 013, India

फोन / Phone :

फैक्स / Fax :

ईमेल / E-mail :

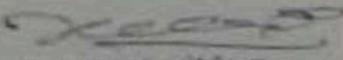
1410/CLD/HR/2019-20/27/733

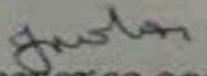
19-Feb-2020

CENTRE FOR LEARNING AND DEVELOPMENT CERTIFICATE

This is to certify that Ms. SMITHA B S student of NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU has undergone Internship in BEL from 06-01-2020 to 19-02-2020 and has undergone Orientation in "(MIL.COM)" Department.

He / She was regular and punctual in his / her attendance and his/her conduct was satisfactory during the period.


PROJECT GUIDE


PROJECT CO-ORDINATOR (CLD)

मोहन कुमार आर

MOHAN KUMAR, R

BC E 212277

सिद्ध महापात्र अभियंता, भारत / प्रोफेशनल
SR, ASST. ENGINEER, HR / CLD

पंजीकृत एवं कारपोरेट ऑफिस : नागावारा, आउटर रिंग रोड, बेंगलूरु - 560 045, भारत
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bengaluru - 560 045, India

सी आई एन / CIN : L32309KA1954GOI000787

आई एस ओ / ISO 9001 and 14001 प्रमाणित कंपनी / Certified Company

20th April 2020

TO WHOM IT MAY CONCERN

This is to certify that Ms. Swathi K student of B.E, New Horizon College of Engineering, Bangalore has completed the training on basics of “iLens Product Development” from 2nd January 2020 to 14th February 2020 at **Knowledge Lens Pvt Ltd**. During the period of her training with us she was found punctual, hardworking and inquisitive.

We wish her all the success in future endeavors.

Yours Truly,

For **Knowledge Lens Pvt Ltd**.



Sudheesh Narayanan
Chief Executive Officer



CERTIFICATE

TSC Technologies Pvt. Ltd.
UNISEC-India, #3, First Main,
BDA Layout, HAL 2nd Stage,
Kodihalli, Bangalore
Karnataka 560008

Mr. Tarun Sai Reddy
Department of ECE
New Horizon College
of Engineering,
Bangalore 560103

11th April 2020

This is to certify that Mr. Tarun Sai Reddy has done his internship in TSC Technology Pvt. Ltd., Bangalore from 5th Feb, 2020 to 20th March, 2020.

He has worked on project titled CanSat. This project was aimed to demonstrate the application of CubeSat. The project was completed and launched successfully using a drone. As part of the project, he designed the CanSat structure, PCBs and developed embedded firmware and tested successfully.

During the internship he demonstrated good design skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the project successfully on time.

We wish him all the best for his future endeavors.

Warm regards,

Nikhil Riyaz
Director

TSC Technologies Pvt. Ltd.

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by ULTHI KEDARNATH 1NH16EC755 the bonafide student of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering Degree**.

Signature of the Guide
Ms. Rama

Sr.Asst.Prof.
Dept. of Electronics
and
Communication
Engineering.

Signature of the HOD
**Dr.SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics
and
Communication
Engineering.

Signature of the Principal
Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:

ESIGELEC 

Technopôle du Madrillet
Avenue Gallée
76800 Saint Etienne du Rouvray – France

CERTIFICATE

I undersigned, Prof. Etienne CRAYE, General Manager of ESIGELEC, certify that :

Yeshaswini KALASHETTY PURA MAHALINGASWAMY

has been hosted in our School of Engineering from September 16 to November 29, 2019.
She took part in an exchange programme between ESIGELEC in France and New Horizon College of Engineering in India.

Saint-Etienne du Rouvray, December 9, 2019,

Signature of the receiver

Prof. Etienne CRAYE,
General Manager of ESIGELEC





INTERNSHIP COMPLETION CERTIFICATE

Date: 20.05.2020

TO WHOM IT MAY CONCERN

This is to certify that **R Yuvasree** a student of Bachelor of Engineering (ECE-4th year) at New Horizon College of Engineering has successfully completed internship program with us (**20th January,2020 to 6th March,2020**). During the internship program with EasyStepIn she was found punctual, hardworking and inquisitive.

We wish her every success in life.

For EasyStepIn IT Services Private Limited.

A circular stamp with the text "EasyStepIn IT Services Pvt. Ltd." around the top edge and "Bangalore" at the bottom. In the center, the word "Signature" is written. A handwritten signature in black ink is written over the stamp.

Jennu Sowndarya Cheruvupalli
HR Department

EASystepin IT SERVICES PRIVATE LIMITED

Address: #43, SGR Plaza, 1st Floor, Opp. Marathahalli Market Bus Stop, Marathahalli, Bangalore 560037, Karnataka, India. Tel: 080-18905420, Email ID: hr@easystepin.com, website: <http://www.easystepin.com>



BOSCH

Head Of the Department
Electronics and Communication
New Horizon College Of engineering Hosur Road
New Horizon Knowledge Park
Ring Road Bellandur Post
Bengaluru-560103

Bosch Limited
No.42, II Phase ,Sector 2,
KIADB Industrial Area,
Shanumangala, Bidadi Hobli
Ramanagar Dist-562109
Karnataka, India
www.boschindia.com

Our Ref: BidP/TCT- INT/PR 020/20

03.Jan.2020

Sub: Project Work / Internship for your Student

Dear Sir/Madam

This has reference to your letter requesting permission for your student Mr. Shashank Rao M BE- Electronics and Communication Engineering to pursue internship training at Bosch Limited, Bidadi Location

We are pleased to inform you that the above candidate's profile has been selected for internship from 08.01.2020 to 07.03.2020. The Internship should be completed, including submission of reports, before the end of the Internship period.

During the Internship the code of conduct applicable to the trainees, including wearing of **Safety Shoes** would be the same as that applicable to the Managerial & Superintending Staff of our Company.

In case if the performance/conduct of the trainee is found not satisfactory during the course of the project/internship, the Management reserves the right to discontinue the project/internship without prior notice or intimation.

The student will not be eligible for any **stipend or company transport** during this period.

As part of the joining formalities, the candidate is required to meet Mr. Seetharamu (Tel: 08884451299 / Email: Seetharamu.g@bosch.com) in the above-mentioned address.

With best wishes,

For Bosch Limited,

Seetharamu. G
Manager
Training & Development

irams : 'COMBAIR'
elefax : 080-25238493

Telephone: 25233060 / 25236562
25230327 / 25233024

ADA

AERONAUTICAL DEVELOPMENT AGENCY

(Ministry of Defence, Govt. of India)

P. B. No. 1718, Vimanapura Post, Bangalore-560 017, India.

ADA(Plan)/PJS/2020

04/03/2020

To
Head of the Department

Dear Sir / Madam,

Subject : Approval for undertaking B.E Project work

The following students of your institution can undertake the project work in our organisation as per the details furnished herein:

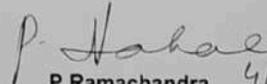
Sl. No	Name of the Student	From	To	Department / Group	Project Guide
1.	Rushab S G	09/03/2020	30/04/2020	IFCS	Krishna Kishore
2	Akshay Gambhir Sadalagi	"	"	"	"

In case, the student is not willing or not able to report for the project work on the stipulated date, (for whatsoever reasons), the same must be intimated to ADA in advance. Please note that ADA does not provide any industrial training

Since we are assigned with a Defence sensitive Programme, the following instructions should be followed by the student(s) assigned to the Project:

- Report at 0900 hours on the date of commencement of the project work at ADA with a copy of this letter, Conduct Certificate issued by your institution and two stamp size photographs
- Project work should commence and finish within the stipulated time. Please note that extension will not be provided.
- Student should read, understand and adhere to the 'Guidelines and Instructions on Security' while in ADA.
- Student will not be entitled for any stipend or compensation during the Project period
- Police verification issued by the local police authorities should be furnished before the student reports for project work.

Please acknowledge.


P Ramachandra 4/3/20
Director (Planning)

Copy to:
TD (IFCS)

AO (S & S) – to verify bonafide documents before issuing security pass

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **ARATHI V (REG No: 1NH17EC402)** Department of **B.E(Electronics and Communication)** from **New Horizon College of Engineering**, has completed her internship in our concern under the guidance.

Her internship period: **10th JANUARY 2020** to **04th MARCH 2020**.

During her Internship phase her performance has been rated as **GOOD**.

Thanks & Regards.



(HR HEAD)

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **ARATHI V (REG No: 1NH17EC402)** Department of **B.E(Electronics and Communication)** from **New Horizon College of Engineering**, has completed her internship in our concern under the guidance.

Her internship period: **10th JANUARY 2020** to **04th MARCH 2020**.

During her Internship phase her performance has been rated as **GOOD**.

Thanks & Regards.



(HR HEAD)



Ref-TFT/INT/2020

Date:

TO WHOM IT MAY CONCERN

This is to certify that, **GURURAJ SHIVASHANKAR NATIKAR** (1NH17EC407) Student of **New Horizon College of Engineering**, Bangalore, has successfully completed their internship in our organization, in "**Tech-Fortune technologies**", Bangalore, from 25th Jan 2020 to March 19th 2020.

They are working on the project "**Home automation application based on Arduino controllable from mobile**", the time they joined, they were very fast to pick up the technical details of the project, and they were really hardworking and capable.

We wish them all the very best for a successful career ahead.

For Tech-Fortune technologies

VIJAYAVITHAL M ILLAL

Technical Director

Authorized signature
technologies

Tech-Fortune

TECH-FORTUNE TECHNOLOGIES #18, 22nd Main, Subbanna Garden, Vijayanagar Bangalore-560040

Corporate Office :**'BEML SOUDHA',**
23/1, 4th Main Road, S. R. Nagar,
Bangalore - 560 027. INDIA
Tel : 080 - 2222 4141
e-mail : office@pr.beml.co.in**Manufacturing Units :****KGF Complex**Tel : 08153-263020
e-mail : bemlede@vsnl.net.in**Mysore Complex**Tel : 0821-2402422
e-mail : bemlmys@sancharnet.in**Palakkad Complex**Tel : 0491-2568055
e-mail : beml.gmpalakkad@gmail.com**International Business Division**Tel : +91-80-2222 2730, 2223 3350
e-mail : office@export.beml.co.in**Technology Division**Tel : +91-80-2296 3100-109
e-mail : office@td.beml.co.in**Trading Division**Tel : +91-80-22963113
e-mail : office@trading.beml.co.in**Regional Offices :****Bilaspur**Tel : 07752-252082
e-mail : bilaspur@rm.beml.co.in**Chennai**Tel : 044-28270792
e-mail : chennai@rm.beml.co.in**Dhanbad**Tel : 0326-2205750
e-mail : dhanbad@rm.beml.co.in**Hyderabad**Tel : 040-23227032
e-mail : hyderabad@rm.beml.co.in**Kolkata**Tel : 033-22826314
e-mail : kolkata@rm.beml.co.in**Mumbai**Tel : 022-22049490
e-mail : mumbai@rm.beml.co.in**Nagpur**Tel : 0712-2248435
e-mail : nagpur@rm.beml.co.in**New Delhi**Tel : 011-23316500
e-mail : delhi@rm.beml.co.in**Ranchi**Tel : 0651-2560370
e-mail : ranchi@rm.beml.co.in**Sambalpur**Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in**Singrauli**Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 /109.(b)

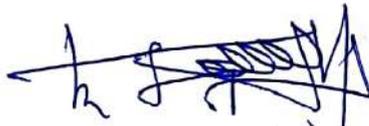
07.03.2020

CERTIFICATE

This is to certify that Mr. JAYANTH V (INH17EC409), BE (EC) student of NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE has successfully completed his "INTERNSHIP TRAINING" from 27.01.2020 to 07.03.2020 as a part of his curriculum.

During his stay with us, he has evinced keen interest in his "INTERNSHIP" and his conduct and character were "GOOD". We wish him bright success for his future endeavours.

For BEML LIMITED,



(H B LINGA REDDY)

Sr. MANAGER - TRAINING



Corporate Office :

'BEML SOUDHA',
23/1, 4th Main Road, S. R. Nagar,
Bangalore - 560 027, INDIA
Tel : 080 - 2222 4141
e-mail : office@pr.beml.co.in

Manufacturing Units :

KGF Complex
Tel : 08153-263020
e-mail : bemlede@vsnl.net.in

Mysore Complex
Tel : 0821-2402422
e-mail : bemlmys@sanchamet.in

Palakkad Complex
Tel : 0491-2568055
e-mail : beml.gmpalakkad@gmail.com

International Business Division
Tel : +91-80-2222 2730, 2223 3350
e-mail : office@export.beml.co.in

Technology Division
Tel : +91-80-2296 3100-109
e-mail : office@ctd.beml.co.in

Trading Division
Tel : +91-80-22963113
e-mail : office@trading.beml.co.in

Regional Offices :

Bilaspur
Tel : 07752-252082
e-mail : bilaspur@rm.beml.co.in

Chennai
Tel : 044-28270792
e-mail : chennai@rm.beml.co.in

Dhanbad
Tel : 0326-2205750
e-mail : dhanbad@rm.beml.co.in

Hyderabad
Tel : 040-23227032
e-mail : hyderabad@rm.beml.co.in

Kolkata
Tel : 033-22826314
e-mail : kolkata@rm.beml.co.in

Mumbai
Tel : 022-22049490
e-mail : mumbai@rm.beml.co.in

Nagpur
Tel : 0712-2248435
e-mail : nagpur@rm.beml.co.in

New Delhi
Tel : 011-23316500
e-mail : delhi@rm.beml.co.in

Ranchi
Tel : 0651-2560370
e-mail : ranchi@rm.beml.co.in

Sambalpur
Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in

Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 / 109 (c)

07.03.2020

CERTIFICATE

This is to certify that Mr. SACHIN M (INH17EC426),
BE (EC) student of NEW HORIZON COLLEGE OF
ENGINEERING, BANGALORE has successfully completed
his "INTERNSHIP TRAINING" from 27.01.2020 to
07.03.2020 as a part of his curriculum.

During his stay with us, he has evinced keen interest in his
"INTERNSHIP" and his conduct and character were
"GOOD". We wish him bright success for his future
endeavours.

For BEML LIMITED,



(H B LINGA REDDY)
Sr. MANAGER - TRAINING



Corporate Office :

'BEML SOUDHA',
23/1, 4th Main Road, S. R. Nagar,
Bangalore - 560 027. INDIA
Tel : 080 - 2222 4141
e-mail : office@pr.beml.co.in

Manufacturing Units :

KGF Complex
Tel : 08153-263020
e-mail : bemlede@vsnl.net.in

Mysore Complex
Tel : 0821-2402422
e-mail : bemlmys@sanchamet.in

Palakkad Complex
Tel : 0491-2568055
e-mail : beml.gmpalakkad@gmail.com

International Business Division
Tel : +91-80-2222 2730, 2223 3350
e-mail : office@export.beml.co.in

Technology Division
Tel : +91-80-2296 3100-109
e-mail : office@ctd.beml.co.in

Trading Division
Tel : +91-80-22963113
e-mail : office@trading.beml.co.in

Regional Offices :

Bilaspur
Tel : 07752-252082
e-mail : bilaspur@rm.beml.co.in

Chennai
Tel : 044-28270792
e-mail : chennai@rm.beml.co.in

Dhanbad
Tel : 0326-2205750
e-mail : dhanbad@rm.beml.co.in

Hyderabad
Tel : 040-23227032
e-mail : hyderabad@rm.beml.co.in

Kolkata
Tel : 033-22826314
e-mail : kolkata@rm.beml.co.in

Mumbai
Tel : 022-22049490
e-mail : mumbai@rm.beml.co.in

Nagpur
Tel : 0712-2248435
e-mail : nagpur@rm.beml.co.in

New Delhi
Tel : 011-23316500
e-mail : delhi@rm.beml.co.in

Ranchi
Tel : 0651-2560370
e-mail : ranchi@rm.beml.co.in

Sambalpur
Tel : 0663-2521604
e-mail : sambalpur@rm.beml.co.in

Singrauli
Tel : 07805-268260
e-mail : singrauli@rm.beml.co.in

RKT/08/2020 /109. (a)

07.03.2020

CERTIFICATE

This is to certify that Mr. SRIDHAR P (INH16EC133), BE (EC) student of NEW HORIZON COLLEGE OF ENGINEERING, BANGALORE has successfully completed his "INTERNSHIP TRAINING" from 27.01.2020 to 07.03.2020 as a part of his curriculum.

During his stay with us, he has evinced keen interest in his "INTERNSHIP" and his conduct and character were "GOOD". We wish him bright success for his future endeavours.

For BEML LIMITED,



(H B LINGA REDDY)
Sr. MANAGER - TRAINING



बेंगलूर काम्प्लेक्स, पी.बी. संख्य 7501, नया तिप्पसंदरा पोस्ट, बेंगलूर - 560 075
BANGALORE COMPLEX : P.B. No. 7501, New Thippasandra Post, Bangalore - 560 075
दूरभाष / Ph. 080-25242414 (20Lines) फैक्स 080-25245545, 25242942, 25242419 ई-मेल/e-mail : bemlcgm@vsnl.com

Date: 26.01.2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **MANOJR (INH17EC416)** from **NEW HORIZON COLLEGE OF ENGINEERING**, Department of **ECE** on our organization and he is permitted to do his internship in our organization, from **27th JANUARY 2020** to **27th MARCH 2020** during which we shall train them on the real time solutions we have been delivering our clients worldwide. We assure to give our Full Co-operation to the Students.

Thanks & Regards



(Project Manager)

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

Internship Certificate

This is to certify that **Raghu R** bearing University Seat Number **1NH17EC421**, student of **New Horizon College of Engineering - Bangalore**, Affiliated to **VTU** has successfully completed the internship at **QuEST Global (Bangalore)** in the **Embedded IIoT,Cloud** vertical, under the guidance of **Mr. Arun Chandrasekar** from **16/01/2020 to 05/05/2020**

Topic of Internship: **Safe Ride: Detection and Notification of Potholes and Humps**

The candidate's conduct during the tenure of the internship has been Very Good.

QuEST Global wishes the candidate all success in their future endeavors.

Authorized Signatory
Guruprasad N
Lead- University Relations



Ref-TFT/INT/2020

Date:

TO WHOM IT MAY CONCERN

This is to certify that, **RAHUL JAIN** (1NH17EC422) Student of **New Horizon College of Engineering**, Bangalore, has successfully completed their internship in our organization, in **“Tech-Fortune technologies”**, Bangalore, from 25th Jan 2020 to March 19th 2020.

They are working on the project **“Home automation application based on Arduino controllable from mobile”**, the time they joined, they were very fast to pick up the technical details of the project, and they were really hardworking and capable.

We wish them all the very best for a successful career ahead.

For Tech-Fortune technologies

VIJAYAVITHAL M ILLAL

Technical Director

Authorized signature
technologies

Tech-Fortune

TECH-FORTUNE TECHNOLOGIES #18, 22nd Main, Subbanna Garden, Vijayanagar Bangalore-560040

www.indiainfotech.net.in



Ref: IIT-2019-ITD-070

To

The Principal,

New Horizon College of Engineering,

Marathahalli,

Bangalore- 560103

Respected Sir/Madam,

Sub: Reg – Internship Training at India Infotech.

This is to certify that SHAMBULING PATIL (Reg.no: 1NH17EC427) undergoing his B.E(Electronics and communication) from New Horizon College Of Engineering, has completed his 45 days internship with project at this India infotech. All the necessary details were provided from our side for the establishment of the project.

During his Training period, he was punctual in all the duties assigned to him.

We wish him all the best for his future endeavors.

Thanks, and Regards,



(GM HR)

Place: Bangalore

India Info Tech

analyst.relations@indiainfotech.net.in | head.talentacquisition@indiainfotech.net.in

43, JD DURAI RAJAN STREET, MMDA, CHENNAI, TAMIL NADU - 600 029, INDIA.

CERTIFICATE

Certified that the internship work carried out at BEML by the GOURAV.K-1NH14EC744 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

External Viva

Internal Guide	HOD	Principal
Ms. Mamtha	Dr Sanjeev Sharma	Dr Manjunatha

Name of External Examiner

Signature with date:

PHARMACEUTICAL STORE

*A Dissertation submitted in partial fulfillment of the requirements
for the award of degree of*

ELECTRONICS AND COMMUNICATION

By

**HARSHA E
1NH15EC024**

Under the Guidance of
Dr. NAVEEN H

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS



**NEW HORIZON
COLLEGE OF ENGINEERING**

New Horizon Knowledge Park, Ring Road, Marathalli

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC

Accredited by NAAC with 'A' Grade. Accredited by NBA

2019-2020

PHARMACEUTICAL STORE

*A Dissertation submitted in partial fulfillment of the requirements
for the award of degree of*

ELECTRONICS AND COMMUNICATION

By

**HARSHA E
1NH15EC024**

Under the Guidance of

Internal Guide:
**Dr. Naveen H
Assistant Professor
Dept. of ECE, NHCE**

External Guide:
**Mr. Joseph SKumar
HR Manager
JMR Infotech**

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS



**NEW HORIZON
COLLEGE OF ENGINEERING**

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

2019-2020



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Electronics and Communication Engineering,

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

STUDY OF EMBEDDED SYSTEM DESIGN

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

Vishnu N.U

1NH15EC759

Under the Guidance of

Mrs.Rama

Assistant Professor

CERTIFICATE

Certified that the internship work carried out at PraLoTech Solutions LLP by the Vishnu N.U - 1NH15EC759 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections/suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

External Viva

Internal Guide	HOD	Principal
Mr. Deepak	Dr Sanjeev Sharma	Dr Manjunatha

Name of External Examiner

Signature with date:



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by **NAAC** with 'A' Grade

AN INTERNSHIP REPORT

ON

VLSI DESIGN

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
AWARD OF DEGREE OF*

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

ANMOL PRAVEEN

USN: INH16EC008

Under the guidance of

Ms. ISHANI MISHRA

Assistant Professor

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

BENGALURU-560103

2019-2020

VLSI DESIGN

ORIGINALITY REPORT

17 %	%	17 %	%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

- 1** Sushruta Mishra, Hrudaya Kumar Tripathy, Brojo Kishore Mishra, Sunil Kumar Mohapatra. "chapter 9 A Succinct Analysis of Applications and Services Provided by IoT", IGI Global, 2018
Publication **2%**
- 2** Sabri, M.F.M., M.H. Husin, W.A.W.Z. Abidin, K.M. Tay, and H.M. Basri. "Design of FPGA-based Traffic Light Controller System", 2011 IEEE International Conference on Computer Science and Automation Engineering, 2011.
Publication **2%**
- 3** Sachin Upadhyay. "ONGOING CHALLENGES AND RESEARCH OPPORTUNITIES IN INTERNET OF THINGS (IOT)", International Journal of Engineering Technologies and Management Research, 2020
Publication **1%**
- 4** Samet Ahmed, Kourid Yahia. "Implementation of Optimal Control Techniques on FPGA", 2019 International Conference on Advanced Electrical Engineering (ICAEE), 2019 **1%**

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

“EMBEDDED SYSTEM”

BACHELOR OF

ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

ANUSHA H N

1NH16EC010

UNDER THE GUIDANCE OF

**Dr.Mohan Kumar Naik
(Assistant Professor) &**

Dr. Sanjeev Sharma (Head of department)

Dept. of Electronics and Communication Engineer

UNDER THE GUIDANCE OF

Mr.ARUL ANTONY

RELENTLESS SYSTEM

Bangalore

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by ANUSHA H N 1NH16EC010 the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering Degree**.

Signature of the Guide

**Dr.B Mohan
Kumar Naik**

.Asst.Prof.
Dept. of Electronics
and
Communication
Engineering.

Signature of the HOD

**Dr. SANJEEVA
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics
and
Communication
Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:



**NEW HORIZON
COLLEGE OF ENGINEERING**

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

VISVESWARAYA TECHNOLOGY UNIVERSITY, BELGAVI

JANASANGAM, BELGAVI-590018

An Internship Report

Submitted by

BATCHU SRIKANTH REDDY - 1NH16EC014

Academic Year – 2019-2020

Internship Carried Out



UNDER THE INTERNAL GUIDANCE OF

MRS.NISHA MRS.JAYANTHI

NHCE, BANGALORE.

NHCE, BANGALORE.



**NEW HORIZON
COLLEGE OF ENGINEERING**

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

NEW HORIZON COLLEGE OF ENGINEERING

(ISO-9001:2000 certified, Accredited by NAAC 'A', permanently affiliated to VTU) Outer Ring Road, Panathur Post, Near Marathahalli, Bangalore-560103)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Certificate

Certified that the internship work carried out by Mr. A Anil Bharath (1NH16EC135), bonafide student of New Horizon College Of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication of the Visveswaraiah Technological University, Belgaum during the year 2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The internship report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

GUIDE

HOD

PRINCIPAL

(Mrs.Thejasvitha)

(Dr.Sanjeev Sharma)

(Dr.MANJUNATHA)

External Viva

Name of the examiners

Signature with date

1.

2.

Business Intelligence tool

Name: Deepak Kumar Pradhan

USN: 1NH16EC023

Semester: 8th

Section: A

INTRODUCTION

As per the guidelines of the institution I took part in a Six-month internship program at Covance India Pharmaceutical Service Limited. And as part of my internship I had to design and create a **Dashboard** for the client. This involved learning a couple of different technologies and finding easier and faster ways to implement things. In our internship we had the liberty of time and were required to update on the progress couple of times a week. I also had to understand the client's preferences. I was in a team of other dashboard development interns whose job was to deliver **proper visualization of the big amount of data** for different clients and helping clients to understand the business thoroughly. We had to work in a team to understand and solve each other's difficulties.

Also, we had to ask our mentors if we needed help beyond our capabilities. Just like how an internship is supposed to be there was a lot of learning involved before proceeding further. Overall there was a satisfaction involved that our work was going to be put to use. There was different stages of development involved from making a prototype to the final product. The process also involved creating some of the design element on our own. and also I have learnt how to do automation using python language.

BRIEF ABOUT COMPANY

Covance Inc. is a contract research organization (CRO) headquartered in Princeton, New Jersey, providing nonclinical, preclinical, clinical and commercialization services to pharmaceutical and biotechnology industries. The company is owned by [LabCorp](#) and employs more than 50,000 people in over 60 countries. According to its website, it is one of the largest companies of its kind in the world, with annual revenues of over \$2 billion.^[3] It claims to provide the world's largest central laboratory network.^[4] It became a publicly traded company in 1997 after being spun off by Corning Incorporated in 1996.^[5] In 2018, the Covance parent company, Laboratory Corporation of America Holdings (LabCorp), was rated one of the best places to work for LGBTQ equality by the Human Right Campaign.

The company's primary focus is serving the pharmaceutical and biotechnology industries. As part of its clinical and non-clinical development services, it provides drug development services across all phases of development and multiple therapeutic areas such as cardiovascular, diabetes, endocrinology and nephrology, immuno-oncology, infectious diseases, inflammation, neuroscience, non-alcoholic steatohepatitis (NASH), oncology, rare diseases, pediatrics, and the development of companion diagnostics.

Covance Bangalore has many department in the office such as CLS , CTTS , CDCS , EDS ect. Which I am working on department called GSS under CTTS department. this team has testing team , data analytics team , product support team , system admin team , operations team.

Covance a global contract Research organizations worked on all the top 50 best selling drugs. There are analytics team whose trekking all the Specimen of the patient and it has lab also where we can make the testing.

Covance is the drug development company where areas LABCORP is diagnostic company.



**NEW HORIZON
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Accredited by NAAC with 'A' Grade, Accredited by NBA



TOP ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2019

Ministry of Human Resource Development, Government of India

An Internship Report On

“Embedded Systems”

**Submitted in partial fulfillment for the award of degree of
Bachelor of Engineering**

In

**Electronics and Communication Engineering
2019-2020**

Submitted by

KALAMADI SREELEKHA - 1NH16EC037

Under the Guidance of

Internal Guide

Ms. Mamta

(Asst. Prof, NHCE)

External Guide

Mr. Arul babu R

(Uniq technologies)

DECLARATION

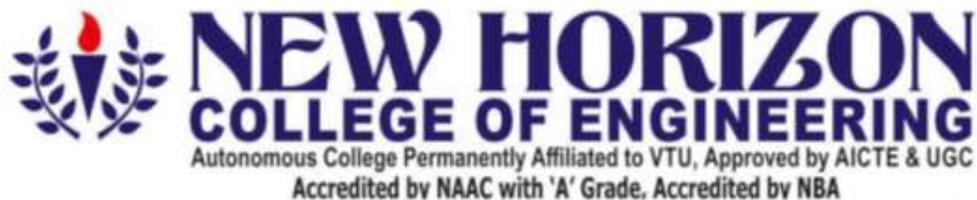
I, **KALAMADI SREELEKHA** student of BE in Electronics and communication and Engineering at New Horizon College of Engineering, Bangalore, hereby declare that this internship work entitled “**EMBEDDED SYSTEMS**” is an original and bonafide work carried out by me at **Uniq technologies**, Bangalore in particular internship during the **academic year 2019-2020**.

I also declare that, to the best of my knowledge the work reported here is not from any other thesis or dissertation on the basis of which the degree or award was conferred on an earlier occasion by any student.

Place: Bangalore

KALAMADI SREELEKHA

(1NH16EC037)



**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

VISVESWARAYA TECHNOLOGY UNIVERSITY, BELGAVI

JANASANGAM, BELGAVI-590018

An Internship Report

Submitted by

K.CHANDRA KIRAN REDDY - 1NH16EC042

Under the guidance of

External guide:

Mrs.Thejasvitha

Academic Year – 2019-2020

Internship Carried Out



Under the guidance of

Internal guide:

DR.K.C.R.NISHA

NHCE, BANGALORE.

NEW HORIZON COLLEGE OF ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work entitled **“INVENTERON”** carried out by **AKHILESH V(1NH16EC006)** a bonafide student of **NewHorizon College of Engineering, Bengaluru**, in partial fulfillment for the award of **Bachelor of Engineering in ECE** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The internship work has been approved as it satisfies the academic requirements in respect of internship work prescribed for the **Bachelor of Engineering** degree.

Signature of the Guide

Dr. K C R NISHA
Professor,
Dept. of ECE.

Signature of the HOD

Dr. SANJEEV SHARMA
HoD-ECE
Dept. of ECE.

Signature of the Principal

Dr. MANJUNATHA
Principal
NHCE

Name of the student:

**K.CHNADRA KIRAN
REDDY**

University SeatNumber:

1NH16EC042

External Viva

Examiner

- 1.
- 2.

Signature with date:



NEW HORIZON COLLEGE OF ENGINEERING

AUTONOMOUS COLLEGE Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by **NAAC** with 'A' Grade

AN INTERNSHIP REPORT

ON

VLSI DESIGN

*SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
AWARD OF DEGREE OF*

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

KUSHI PONNAMMA K.P

USN: INH16EC043

Under the guidance of

Ms. ISHANI MISHRA

Assistant Professor

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

BENGALURU-560103

2019-2020

VLSI DESIGN

ORIGINALITY REPORT

17%

SIMILARITY INDEX

%

INTERNET SOURCES

17%

PUBLICATIONS

%

STUDENT PAPERS

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Publication 2%
- 2 Sabri, M.F.M., M.H. Husin, W.A.W.Z. Abidin, K.M. Tay, and H.M. Basri. "Design of FPGA-based Traffic Light Controller System", 2011 IEEE International Conference on Computer Science and Automation Engineering, 2011.
Publication 2%
- 3 Sachin Upadhyay. "ONGOING CHALLENGES AND RESEARCH OPPORTUNITIES IN INTERNET OF THINGS (IOT)", International Journal of Engineering Technologies and Management Research, 2020
Publication 1%
- 4 Samet Ahmed, Kourd Yahia. "Implementation of Optimal Control Techniques on FPGA", 2019 International Conference on Advanced Electrical Engineering (ICAEE), 2019 1%

DIGITAL MARKETING

by Sachit M

Submission date: 21-May-2020 03:12PM (UTC+0530)

Submission ID: 1329014164

File name: 1NH16EC046.1.pdf (952.93K)

Word count: 6373

Character count: 32714

INTERNSHIP REPORT: DIGITAL MARKETING

NAME: SACHIT M

USN: 1NH16EC046

SEMESTER: 8TH

SECTION: A

Embedded Systems

by Manjunath N

Submission date: 23-May-2020 02:40PM (UTC+0530)

Submission ID: 1330416920

File name: 1NH16EC050.pdf (1.5M)

Word count: 5062

Character count: 31978

Embedded Systems

MANJUNATH N 1NH16EC050

CHAPTER -1

ABOUT THE COMPANY

1.1 Brief History Of The Organization

With the active participation of its multi-disciplinary Assignment Execution Team, India Infotech has emerged as a leader in the ITES in India and has established itself in the field of software development, data processing, data conversion, digital printing, Digitization, System integration, smart card personalization, IT facility management and other IT enabled services.

India Infotech, incorporated in 2018, is a professionally managed, rapidly growing, multifaceted Information technology company.

India Infotech is being trusted by many clients who are looking for reliable and quality services for their business. India Infotech is currently operating and managing in Bangalore and giving services to e-commerce business services.

India Infotech adopted project team and dedicated organization structure. In project based organization, the project manager's directors have a high level of power to oversee and control the project assets. The project manager in this structure has downright power over the project and can secure assets expected to fulfill project targets from inside then again outside the parent organization, subject just to the extension, quality, furthermore, budget constraints are identified in the project.

1.2 The Products And The Services Offered By Organization

Company offer the key products and services you would expect from a leading Microsoft Gold and Oracle partner including Web, Software Development and Mobile application, Integration, Consultancy and Support Services.

What sets us aside is our focus, vision and capability to deliver. We are highly accredited, come highly recommended and invest heavily in both product development and our first class consultants.

India Infotech is one of India most well-known and well-trusted solution provider. Today, India Infotech stands as a source of reliable and innovative products that enhance the quality of costumer's professional and personal lives.

India Infotech is rooted in Bangalore. India Infotech is a leading solution provider in all technologies hardware and software, has extensive experience in research and development.

Its employees in all the branches are active in the areas of production, software development, Implementation, system integration, and training.

1.3 Current Research And Development

Software Development and IT Consulting

- Full Stack Development on JAVA
- Website Building and Web App Hosting with payment gateway integration
- Android App development with Payment Gateway Integration and Playstore deployment
- Desktop Applications
- QA and Software Testing
- Product Developments

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Outer Ring Road, Panathur Post, Kadubisanahalli,
Bangalore – 560103

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION AND ENGINEERING**



CERTIFICATE

It is hereby certified that the project work entitled “**DIGITAL MARKETING INTERNSHIP**” is a bonafide work carried out by MOHAMMED FAROOQH PASHA (1NH16EC059) in partial fulfilment for the award of **Bachelor of Engineering in ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide
(Mr.Ashok)

Signature of HOD
(Dr. Sanjeev Sharma)

External Viva

Name of Examiner

Signature with date

- 1.
- 2.



**NEW HORIZON
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TOP ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2019

Ministry of Human Resource Development, Government of India

An Internship Report on

“MATLAB”

Submitted in partial fulfillment for the award of degree of
Bachelor of Engineering

In

Electronics and Communication Engineering
2019-2020

Submitted by

NISHU DUBEY - 1NH16EC066

Under the Guidance of

Internal Guide

Dr. Reema Sharma

(Senior Asst. Prof, NHCE)

External Guide

Mr. Lohith C

(INDIA INFOTECH)

DECLARATION

I, **NISHU DUBEY** student of BE in Electronics and communication and Engineering at New Horizon College of Engineering, Bangalore, hereby declare that this internship work entitled "**MATLAB**" is an original and bonafide work carried out by me at **INDIA INFOTECH**, Bangalore in particular internship during the **academic year 2019-2020**.

I also declare that, to the best of my knowledge the work reported here is not from any other thesis or dissertation on the basis of which the degree or award was conferred on an earlier occasion by any student.

Place: Bangalore

Date: 24/04/2019

Nishu Dubey

(1NH16E066)

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018**



**A Report on
“*Internship*”**

Submitted in partial fulfillment for the award of degree of

**Bachelor of Engineering
In
Electronics and Communication**

**Submitted by
Parithosh Vema (1NH16EC072)**

**Under the guidance of
Ms. Divya Sharma,
Senior Assistant Professor.,
Department of ECE,
NHCE, Bengaluru**

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



**OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.**

AY 2019 – 2020

CERTIFICATE

Certified that the internship work carried out at CISCO Systems Inc, by Parithosh Vema 1NH16EC072 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections / suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

Ms. Divya Sharma

HOD

Dr SANJEEV SHARMA

Principal

Dr MANJUNATHA

External Viva

Name of the Examiners:

Signature with date:

- 1.
- 2.



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Electronics and Communication Engineering,

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

OVERVIEW OF METRO TRAIN ASSEMBLING

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

Pranay Reddy S 1NH16EC077

Under the Guidance of

Ms. Tessy

Assistant Professor

CERTIFICATE

Certified that the internship work carried out at **BEML** by the **Pranay Reddy S– 1NH16EC077** of **New Horizon College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** branch, of **Visvesvaraya Technological University, Belgaum** during the academic year **2019-2020**. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

Ms. Tessy

HOD

Dr Sanjeev Sharma

Principal

Dr Manjunatha

External Viva

Name of External Examiner:

Signature with date:

ACKNOWLEDGEMENT

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



A Report on
“Internship”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication

Submitted by
Roshini M (1NH16EC085)

Under the guidance of

Ms. Divya Sharma,
Assoc. Professor.,
Department of ECE,
NHCE, Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.

AY 2019 – 2020

CERTIFICATE

Certified that the internship work carried out at CISCO Systems Inc, by Roshini M 1NH16EC085 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

Ms. Divya Sharma

HOD

Dr SANJEEV SHARMA

Principal

Dr MANJUNATHA

External Viva

Name of the Examiners:

Signature with date:

- 1.
- 2.

VISVESWARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama", Belagavi-590018.



**NEW HORIZON
COLLEGE OF ENGINEERING**

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INTERNSHIP REPORT ON

"Study of Combat Aircrafts and Electronics System"

MCSRDC DIVISION



Submitted in partially fulfilment as a requirement for the
award of Degree of **BACHELOR OF ENGINEERING IN**

ELECTRONICS AND COMMUNICATION

UNDER THE GUIDANCE OF

Dr. M Dhivya ,
Associate Professor,
Dept. of Electronics and Communication,
NHCE.

SUBMITTED BY

S Sai Kiran

1NH16EC087



**NEW HORIZON
COLLEGE OF ENGINEERING**
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

**Department of Electronics and Communication
Engineering**

Certificate

Certified that the Internship work entitled **Study of Combat Aircraft and Electronic System** carried out by **Mr. S Sai Kiran, USN 1NH16EC087** a bonafide student of **New Horizon College of Engineering** in partial fulfillment for the award of Bachelor of Engineering / Bachelor of Technology in **Electronics and Communication Engineering** of the Visveswaraya Technological University, Belgaum during the year **2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of the Guide
(Dr. M. Dhivya)

Signature of the HOD
(Dr. Sanjeev Sharma)

Signature of the Principal
(Dr. Manjunath)

External Viva:

Name of the examiners

Signature with Date

- 1.
- 2.

PREDICTIVE MAINTENANCE FOR CAR BRAKE SYSTEM

by S Sai Prashanth

Submission date: 11-May-2020 02:44PM (UTC+0530)

Submission ID: 1321552683

File name: 1NH16EC088_1.pdf (578.07K)

Word count: 4453

Character count: 23875

**INTERNSHIP REPORT ON
“PREDICTIVE MAINTENANCE
FOR CAR BRAKE SYSTEM”**

BY

NAME: S Sai Prashanth

USN: 1NH16EC088

SEM: 8 B

CHAPTE R 1

INTRODUCTION

⁹ 1.1 Predictive Maintenance

Predictive maintenance techniques are designed to help determine the condition of in-service equipment in order to estimate when maintenance should be performed. This approach promises cost savings over routine or time-based preventive maintenance, because tasks are performed only when warranted. Thus, it is regarded as condition-based maintenance carried out as suggested by estimations of the degradation state of an item.

The main promise of predictive ⁴ maintenance is to allow convenient scheduling of corrective maintenance, and to prevent unexpected equipment failures. The key is "the right information in the right time". By knowing which equipment needs maintenance, maintenance work can be better planned (spare parts, people, etc.) and what would have been "unplanned stops" are transformed to shorter and fewer "planned stops", thus increasing plant availability. Other potential advantages include increased equipment lifetime, increased plant safety, fewer accidents with negative impact on environment, and optimized spare parts handling.

Predictive ¹¹ maintenance differs from preventive maintenance because it relies on the actual condition of equipment, rather than average or expected life statistics, to predict when maintenance will be required.

Some of ^{the} main components that are necessary for implementing predictive maintenance are data collection and pre-processing, early fault detection, fault detection, time to failure prediction, maintenance scheduling and resource optimization. Predictive maintenance has also been considered to be one of the driving forces for improving productivity and one of the ways to achieve "just-in-time" in manufacturing.

1.2 Car Braking System

5

Modern cars have brakes on all four wheels, operated by a hydraulic system. The brakes may be disc type or drum type. The front brakes play a greater part in stopping the car than the rear ones, because braking throws the car weight forward on to the front wheels. Many cars therefore have disc brakes, which are generally more efficient, at the front and drum brakes at the rear. All-disc braking systems are used on some expensive or high-performance cars, and all-drum systems on some older or smaller cars.

A hydraulic brake circuit has fluid-filled master and slave cylinders connected by pipes. When you push the brake pedal it depresses a piston in the master cylinder, forcing fluid along the pipe. The fluid travels to slave cylinders at each wheel and fills them, forcing pistons out to apply the brakes. Fluid pressure distributes itself evenly around the system. The combined surface 'pushing' area of all the slave pistons is much greater than that of the piston in the master cylinder.

Consequently, the master piston has to travel several inches to move the slave pistons the fraction of an inch it takes to apply the brakes. This arrangement allows great force to be exerted by the brakes, in the same way that a long-handled lever can easily lift a heavy object a short distance.

Most modern cars are fitted with twin hydraulic circuits, with two master cylinders in tandem, in case one should fail. Sometimes one circuit works the front brakes and one the rear brakes; or each circuit works both front brakes and one of the rear brakes; or one circuit works all four brakes and the other the front ones only. Under heavy braking, so much weight may come off the rear wheels that they lock, possibly causing a dangerous skid. For this reason, the rear brakes are deliberately made less powerful than the front.

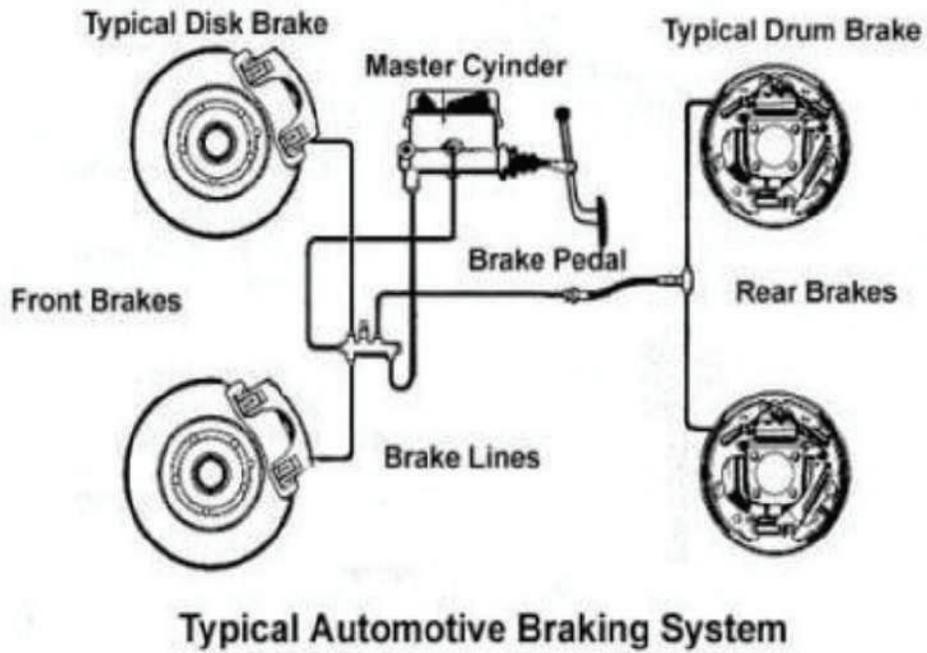


Fig 1.1: Automotive Braking System

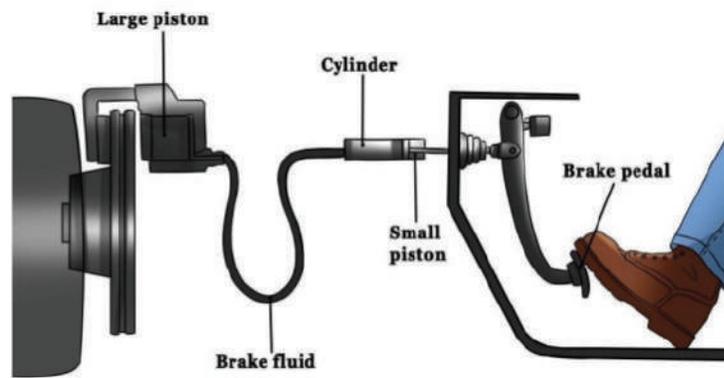
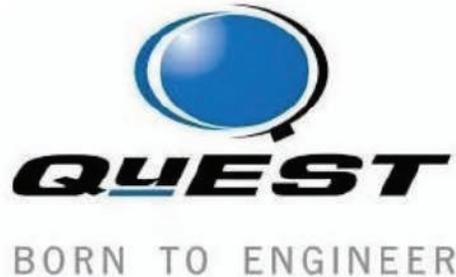


Fig 1.2: Braking System

**CHAPTE
R 2**

DESCRIPTION OF ORGANISATION



QuEST Global (Quality Engineering & Software Technologies) is a product engineering company in the Aero Engines, Aerospace & Defense, Hi-Tech & Industrial, Medical Devices, Oil & Gas, Power, and Transportation verticals. The company has operations spread across 73 locations in 15 countries and 3 continents in North America, Europe and Asia including Cincinnati, East Hartford, Houston, Rockford, Schenectady, Charlotte, Greenville, Phoenix, San Diego, Windsor, Indianapolis, West Lafayette, Dearborn, Durham, Orlando in USA; British Columbia in Canada; Derby, Filton, Saltney in the UK; Bremen, Wolfsburg, Sindelfingen, Munich, Mahlo in Germany; Toulouse in France; Florence in Italy; Madrid, Sevilla, Murcia, Bilbao, Valladolid, Barcelona in Spain; Cluj-Napoca, Craiova in Romania; Singapore; Tokyo, Sanda, Kawasaki in Japan; Seoul in Korea and Bangalore, Belgaum, Trivandrum, Chennai, Bhubaneswar, Pune, Hyderabad in India. QuEST Global opened a regional operating office in Tokyo in June 2016, increasing its Japanese workforce size to 200 employees. As of February 2020, QuEST Global employees 12800 and is valued at USD 2.5 billion with a collective USD 350 million investment from Bain Capital, GIC and Advent International as minority stakeholders in the company.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



An Internship Report on
“Smart Garbage Collection System”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication

Submitted by
SAAJU S P – 1NH16EC089

Under the guidance of

Internal Guide:

Mr. Aravinda K,
Prof. ,
Dept. of ECE, NHCE, Bengaluru

External Guide:

Mr. D C Girish
Quest Global, Embassy Tech village
Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



**NEW HORIZON
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OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.

2019 - 2020



NEW HORIZON COLLEGE OF ENGINEERING

BENGALURU - 560103.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Internship-project entitled “**Smart Garbage Collection System**” is carried out by **Mr. SAAJU S P** bearing **USN: 1NH16EC089** bonafide student of **NHCE, Bengaluru**, in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi** during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Internship-project report has been approved as it satisfies the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of the Guide

Mr. Aravinda K,
Prof. ,
Dept. of ECE,
Bengaluru.

Signature of the HOD

Dr. Sanjeev Sharma,
Prof. & HoD
Dept. of ECE
NHCE, Bengaluru.

EXTERNAL VIVA

Name of the Examiners

1. _____

2. _____

Signature with Date

1. _____

2. _____

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



A Report on
“Internship”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication

Submitted by
SHASHANK B – 1NH16EC095

Under the guidance of

Ms. Divya Sharma,
Sr.Asst. Professor.,
Department of ECE,
NHCE, Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.

AY 2019 – 2020

CERTIFICATE

Certified that the internship work carried out at CISCO Systems Inc, by Shashank B 1NH16EC095 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

Ms. Divya Sharma

HOD

Dr SANJEEV SHARMA

Principal

Dr MANJUNATHA

External Viva

Name of the Examiners:

Signature with date:

- 1.
- 2.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



A Report on
“Internship”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication

Submitted by
Spoorthy G(1NH16EC103)

Under the guidance of
Ms. Divya Sharma,
Senior Assistant Professor.,
Department of ECE,
NHCE, Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.
AY 2019 – 2020

CERTIFICATE

Certified that the internship work carried out at **HEXAWARE TECHNOLOGIES LIMITED(CHENNAI)**, by Spoorthy G 1NH16EC103 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

HOD

Principal

Ms. Divya Sharma Dr SANJEEV SHARMA Dr MANJUNATHA

External Viva

Name of the Examiners:

Signature with date:

- 1.
- 2.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



An Report on
“Internship”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication

Submitted by

T E HABISHEK 1NH16EC106

Under the guidance of

Dr. Sanjeev Sharma

HoD

Department of ECE

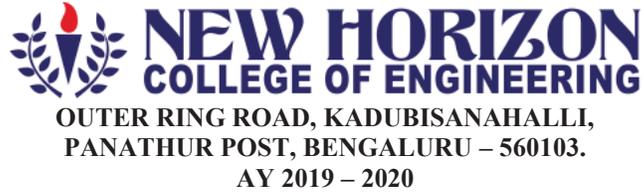
NHCE, Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.

AY 2019 – 2020



CERTIFICATE

Certified that the internship work carried out at CISCO Systems Inc, by T E HABISHEK bearing USN 1NH16EC106 of New Horizon College of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication branch, of Visvesvaraya Technological University, Belgaum during the academic year 2019-2020. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide
Dr SANJEEV SHARMA

HOD
Dr SANJEEV SHARMA

Principal M
Dr MANJUNATHA



NEW HORIZON COLLEGE OF ENGINEERING

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Department of Electronics and Communication Engineering,

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

OVERVIEW OF METRO TRAIN

ASSEMBLING

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

MagdoomFuaad WM

1NH16EC119

Under the Guidance of

Dr.A.B.Gurulakshmi

Associate Professor

NHCE

CERTIFICATE

Certified that the internship work carried out at **BEML** by the **Magdoom Fuaad W M-1NH16EC119** of **New Horizon College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** branch, of **Visvesvaraya Technological University, Belgaum** during the academic year **2019-2020**. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide
Dr.A.B.Gurulakshmi

HOD
Dr Sanjeev Sharma

Principal
Dr Manjunatha

External Viva

Name of External Examiner:

Signature with date:

ACKNOWLEDGEMENT



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TOP ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2019

Ministry of Human Resource Development, Government of India

An Internship Report on

“Embedded Systems”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering

In

Electronics and Communication Engineering

2019-2020

Submitted by

Ashok choudhary -1NH16EC129

Under the Guidance of

Internal Guide

Mrs. Lipsa Dash

(Senior Asst. Prof, NHCE)

External Guide

Mr. Arul Antony

(Uniq Technologies)

DECLARATION

I, Ashok choudhary student of BE in Electronics and communication and Engineering at New Horizon College of Engineering, Bangalore, hereby declare that this internship work entitled **“EMBEDDED SYSTEMS”** is an original and bonafide work carried out by me at Uniq Technologies, Bangalore in particular internship during the **academic year 2019-20**.

I also declare that, to the best of my knowledge the work reported here is not from any other thesis or dissertation on the basis of which the degree or award was conferred on an earlier occasion by any student.

Place: Bangalore

Date: 19/05/20

Ashok choudhary

(1NH16EC129)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi – 590 018



AN INTERNSHIP REPORT ON

“GUI based Virtual Radar”

“Prototype of a FlightGear”

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF
ENGINEERING IN
ELECTRONICS AND COMMUNICATION
ENGINEERING BY
BHARATH MVK
(1NH16EC130)**

Under the guidance of

Mr. VIJAY TRIPATHI

Mr. RUPESH CHAHAL

(HAL)



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous Institution Affiliated to VTU & Approved by AICTE) Accredited by NAAC ‘A’,

Accredited by NBA

Outer Ring Road, Panathur Post, Kadubisanahali,



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

It is hereby certified that the Internship work entitled “**GUI BASED VIRTUAL RADAR AND PROTOTYPE OF A FLIGHTGEAR**” is a bonafide work carried out by **BHARATH MVK (1NH16EC130)** in partial fulfilment for the award of **Bachelor of Engineering in ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of Guide

(Ms. Ishani Mishra)

Signature of HOD

(Dr. Sanjeev Sharma)

Signature of
Principal

(Dr. Manjunatha)

External Viva

Name of Examiner

Signature with date

1. _____

2. _____



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Electronics and Communication Engineering,

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

OVERVIEW OF METRO TRAIN ASSEMBLING

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

SRIDHAR P 1NH16EC133

Under the Guidance of

Ms. Tessy

Assistant Professor

Dept of ECE

CERTIFICATE

Certified that the internship work carried out at **BEML** by the **SRIDHAR P – 1NH16EC133** of **New Horizon College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** branch, of **Visvesvaraya Technological University, Belgaum** during the academic year **2019-2020**. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

Ms. Tessy

HOD

Dr Sanjeev Sharma

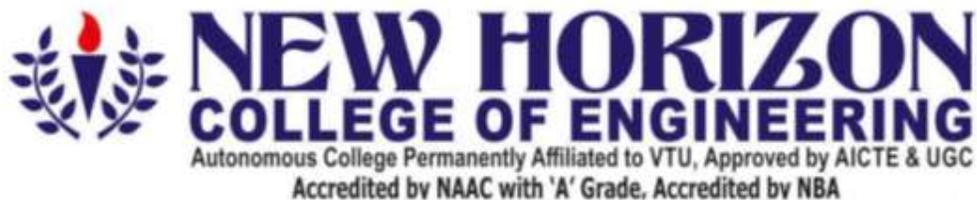
Principal

Dr Manjunatha

External Viva

Name of External Examiner:

Dept of ECE



**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

VISVESWARAYA TECHNOLOGY UNIVERSITY, BELGAVI

JANASANGAM, BELGAVI-590018

An Internship Report

Submitted by

AKULA ANIL BHARATH - 1NH16EC135

Academic Year – 2019-2020

Internship Carried Out



UNDER THE INTERNAL GUIDANCE OF

MRS.K.C.R.NISHA

NHCE, BANGALORE.

NEW HORIZON COLLEGE OF ENGINEERING

(ISO-9001:2000 certified, Accredited by NAAC 'A', permanently affiliated to VTU)
Outer Ring Road, Panathur Post, Near Marathahalli, Bangalore-560103)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Certificate

Certified that the internship work carried out by Mr.AKULA ANIL BHARATH (1NH16EC135), bonafide student of New Horizon College Of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication of the Visveswaraiah Technological University, Belgaum during the year 2019. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The internship report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

GUIDE

HOD

PRINCIPAL

(Mrs.Thejasvitha)

(Dr.Sanjeev Sharma)

(Dr.MANJUNATHA)

External Viva

Name of the examiners
date

Signature with

- 1.
- 2.



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

VISVESWARAYA TECHNOLOGY UNIVERSITY, BELGAVI

JANASANGAM, BELGAVI-590018

An Internship Report

“HYBRID APP DEVELOPMENT”

Submitted by

A SAI VENKAT THRIMURTHY- 1NH16EC137

Academic Year – 2019-2020

Internship Carried From



UNDER THE INTERNAL GUIDANCE OF

MS. MAMTA

NHCE, BANGALORE.

UNDER THE EXTERNAL GUIDANCE OF

MR.RAJESH

ESI, BANGALORE.



**NEW HORIZON
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NEW HORIZON COLLEGE OF ENGINEERING

(ISO-9001:2000 certified, Accredited by NAAC 'A', permanently affiliated to VTU) Outer
Ring Road, Panathur Post, Near Marathahalli, Bangalore-560103)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Certificate

Certified that the internship work carried out by Mr. A SAI VENKAT THRIMURTHY (1NH16EC137), bonafide student of New Horizon College Of Engineering in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication of the Visveswaraya Technological University, Belgaum during the year 2019-2020. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The internship report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

GUIDE

HOD

PRINCIPAL

(Ms. MAMTA)

(Dr.SANJEEV SHARMA)

(Dr.MANJUNATHA)

External Viva

Name of the examiners

Signature with date

1.

2.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi – 590 018



AN INTERNSHIP REPORT ON

“GUI based Virtual Radar”

“Prototype of a FlightGear”

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF
ENGINEERING IN
ELECTRONICS AND COMMUNICATION
ENGINEERING BY
ASHISH KUMAR S
(1NH16EC138)**

Under the guidance of

Mr. VIJAY TRIPATHI

Mr. RUPESH CHAHAL

(HAL)



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous Institution Affiliated to VTU & Approved by AICTE) Accredited by NAAC 'A',

Accredited by NBA

Outer Ring Road, Panathur Post, Kadubisanahali,



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

It is hereby certified that the Internship work entitled “**GUI BASED VIRTUAL RADAR AND PROTOTYPE OF A FLIGHTGEAR**” is a bonafide work carried out by **ASHISH KUMAR S (1NH16EC138)** in partial fulfilment for the award of **Bachelor of Engineering** in **ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of Guide

(Ms. Ishani Mishra)

Signature of HOD

(Dr. Sanjeev Sharma)

Signature of
Principal

(Dr. Manjunatha)

External Viva

Name of Examiner

Signature with date

1. _____

2. _____

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi – 590 018



AN INTERNSHIP REPORT ON

“GUI based Virtual Radar”

“Prototype of a FlightGear”

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF

ENGINEERING IN

ELECTRONICS AND COMMUNICATION

ENGINEERING BY

ABHSIHEK PATTAJOSHI

(1NH16EC703)

Under the guidance of

Mr. VIJAY TRIPATHI

Mr. RUPESH CHAHAL

(HAL)



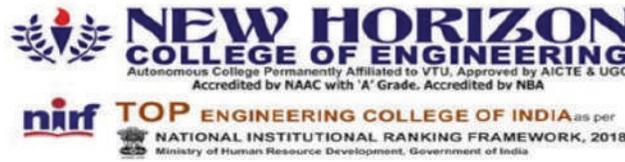
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NBA

Outer Ring Road, PanathurPost, Kadubisanahalli,



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

It is hereby certified that the Internship work entitled “**GUI BASED VIRTUAL RADAR AND PROTOTYPE OF A FLIGHTGEAR**” is a bonafide work carried out by **ABHISHEK PATTAJOSHI (1NH16EC703)** in partial fulfilment for the award of **Bachelor of Engineering** in **ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of Guide
(Ms. Ishani Mishra)

Signature of HOD
(Dr. Sanjeev Sharma)

Signature of Principal
(Dr.Manjunatha)

External Viva

Name of Examiner

Signature with date

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TRAINING ON ENOVIA 3D EXPERIENCE

by Abu Bakar Siddiq

Submission date: 21-May-2020 12:33PM (UTC+0530)

Submission ID: 1328956872

File name: 1NH16EC704.pdf (1.07M)

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Accredited by NAAC 'A', Accredited by NBA

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Bangalore – 560103

DEPARTMENT OF ELECTRONICS AND COMMUNICATION AND ENGINEERING



CERTIFICATE

It is hereby certified that the project work entitled “**TRAINING ON ENOVIA 3D EXPERIENCE**” is a bonafide work carried out by **ABU BAKAR SIDDIQ (1NH16EC704)** in partial fulfilment for the award of **Bachelor of Engineering** in **ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of HOD & Signature of Guide
(Dr. Sanjeev Sharma)

External Viva

Name of Examiner

Signature with date

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NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

“EMBEDDED SYSTEM”

BACHELOR OF

ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

A VISHNU VIKAS

1NH16EC706

UNDER THE GUIDANCE OF

Ms. Rama

(Sr .Assistant Professor) &

Dr. Sanjeev Sharma (Head of department)

Dept. of Electronics and Communication Engineering

UNDER THE GUIDANCE OF

Mr.ARUL ANTONY

RELENTLESS SYSTEM

Bangalore

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by A.VISHNU VIKAS 1NH16EC706 the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering Degree**.

Signature of the Guide

Ms. Rama

Sr.Asst.Prof.
Dept. of Electronics
and
Communication
Engineering.

Signature of the HOD

**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics
and
Communication
Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:



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Accredited by NAAC with 'A' Grade, Accredited by NBA



TOP ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2019

Ministry of Human Resource Development, Government of India

An Internship Report on

“Embedded Systems”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering

In

Electronics and Communication Engineering

2019-2020

Submitted by

Balaji L -1NH16EC711

Under the Guidance of

Internal Guide

Mrs. Monika

(Senior Asst. Prof, NHCE)

External Guide

Mr. Arul Antony

(India Infotech)

DECLARATION

I, **Balaji L** student of BE in Electronics and communication and Engineering at New Horizon College of Engineering, Bangalore, hereby declare that this internship work entitled “**EMBEDDED SYSTEMS**” is an original and bonafide work carried out by me at **India Infotech**, Bangalore in particular internship during the **academic year 2019-20**.

I also declare that, to the best of my knowledge the work reported here is not from any other thesis or dissertation on the basis of which the degree or award was conferred on an earlier occasion by any student.

Place: Bangalore

Date: 03/06/20

Balaji L

(1NH16EC711)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



An Internship Report on
“ORDER MANAGEMENT SYSTEM”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication Engineering

Submitted by
JEEVAN K - 1NH16EC718

Under the guidance of

Dr. Sanjeev Sharma,
Prof. & HOD,
Dept. of ECE,
NHCE, Bengaluru

Mr. Rahul Vikas,
Senior Consultant | L&D,
Capgemini Technology,
India Limited|Pune

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.

2019 - 2020



BENGALURU - 560103.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Internship-project entitled “*Order Management System*” is carried out by **Mr. JEEVAN K.** bearing **USN: 1NH16EC718** bonafide student of **NHCE, Bengaluru**, in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi** during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Internship-project report has been approved as it satisfies the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of the Guide

Dr. Sanjeev Sharma,
Prof. & HOD,
Dept. of ECE,
NHCE, Bengaluru.

Signature of the HOD

Dr. Sanjeev Sharma,
Prof. & HOD,
Dept. of ECE,
NHCE, Bengaluru.

EXTERNAL VIVA

Name of the Examiners

1. _____

2. _____

Signature with Date

1. _____

2. _____

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama”, Belagavi – 590 018



AN INTERNSHIP REPORT ON

“GUI based Virtual Radar”

“Prototype of a FlightGear”

Submitted in partial fulfillment for the award of the degree of

**BACHELOR OF
ENGINEERING IN
ELECTRONICS AND COMMUNICATION
ENGINEERING BY**

**MOHAMMED ZEESHAN ALI
(1NH16EC728)**

Under the guidance of

Mr. VIJAY TRIPATHI

Mr. RUPESH CHAHAL

(HAL)



**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING
NEW HORIZON COLLEGE OF ENGINEERING**

**Autonomous Institution Affiliated to VTU & Approved by AICTE) Accredited by NAAC ‘A’,
Accredited by NBA**

Outer Ring Road, Panathur Post, Kadubisanahali,



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

It is hereby certified that the Internship work entitled “**GUI BASED VIRTUAL RADAR AND PROTOTYPE OF A FLIGHTGEAR**” is a bonafide work carried out by **MOHAMMED ZEESHAN ALI (1NH16EC728)** in partial fulfilment for the award of **Bachelor of Engineering** in **ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Degree.

Signature of Guide

(Ms. Ishani Mishra)

Signature of HOD

(Dr. Sanjeev Sharma)

Signature of
Principal

(Dr. Manjunatha)

External Viva

Name of Examiner

Signature with date

1. _____

2. _____

MOUNIKA E
1NH16EC730
Internship Report on Study of Sensors

CONTENTS

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CHAPTER 1

ABSTRACT

In 2008 the amount of devices on the web exceeded the amount of individuals on the web. It's estimated in 2020 there would be over 50 billion devices connected. Internet of Things (IOT) is setting out to support the method connecting real-world to the web.

Sensors and microprocessors are recording and transmitting data to the web. Rapidly increasing Internet-connected sensors implies that new classes of technical capabilities and applications are being created.

Constant monitoring is deepening the understanding of the inner and external worlds encountered by humans. High-frequency processing is developing how humans adapt to the various styles of data flows enabled by the IOT.

In this thesis, microcontroller-based embedded system is intended to watch greenhouse environmental variables. Additionally to monitoring temperature and moisture, the user can control greenhouse environment through relays. The system was designed using Arduino Due microcontroller and its development environment.

Arduino webserver monitoring system was programmed using the C artificial language. The sensor data is read and processed by Arduino and it's presented the user through the online interface.

Website programming is intended with AJAX, HTML and CSS languages. The most aspects of designing the system were the straightforward usability and also the low cost of producing. Computer program is intended to be utilized by those that don't have any prior computer knowledge.

CHAPTER 2

ABOUT THE COMPANY

Uniq technologies is a leading hardware and software services company which mainly focuses on Consulting, Enterprise Solutions, hardware components, Internet Applications, IT Services, System Software, Networking and Telecom and Software Testing, Verification and Validation.

At India Uniq technologies, we try to provide maximum customer satisfaction by combining the technical and business knowledge based on the client requirements.

Equipped with a team consisting of much experienced and dedicated professionals, we go about adhering to the required framework and documentation standards.

Our aim is to provide very high-quality software capable of compiling the given specification and deliver it within the estimated time frame. Development lifecycle is also supported by providing the technical and functional requirements through a process of coding and testing.

We have CATALYST, which is the sole distributor of INFORTREND storage solutions in Malaysia. Infortrend is one of the leading providers of cost effective, high performance Networked storage solutions. We are leaders in software technology, with the most comprehensive range of software solutions for industries and schools.

We believe that any solution can be effective if it is perfectly complementing the existing business strategies, structures, practices and vision. Each project is unique when it comes to its requirements and our approach subsequently differs.

Contact Information

- Company Name : Uniq Technologies
- Venue : 3rd floor, 3rd cross, 5th main road,
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TOP ENGINEERING COLLEGE OF INDIA as per



NATIONAL INSTITUTIONAL RANKING FRAMEWORK, 2019

Ministry of Human Resource Development, Government of India

An Internship Report on

“MATLAB (Image Processing)”

**Submitted in partial fulfillment for the award of degree of
Bachelor of Engineering**

In

**Electronics and Communication Engineering
2020**

Submitted by

NAWAZ KHAN - 1NH16EC733

Under the Guidance of

Internal Guide

Mrs. Lipsa Dash

(Senior Asst. Prof, NHCE)

External Guide

Mr. Logesh

(INDIA INFOTECH)

DECLARATION

I, **NAWAZ KHAN** student of BE in Electronics and communication and Engineering at New Horizon College of Engineering, Bangalore, hereby declare that this internship work entitled "**MATLAB**" is an original and bonafide work carried out by me at **INDIA INFOTECH**, Bangalore in particular internship during the **academic year 2020**.

I also declare that, to the best of my knowledge the work reported here is not from any other thesis or dissertation on the basis of which the degree or award was conferred on an earlier occasion by any student.

Place: Bangalore

Date: 22/05/2020

Nawaz Khan

(1NH16EC733)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI – 590018



An Internship Report on
“Digital twin for water domain”

Submitted in partial fulfillment for the award of degree of

Bachelor of Engineering
In
Electronics and Communication

Submitted by
RAGHAVENDRA K - 1NH16EC743

Under the guidance of

Dr. Sanjeev Sharma,
Prof. & HOD,
Dept. of ECE,
NHCE, Bengaluru

Mr. T C Ramesh
Head, Technology Excellence Group,
Quest Global, Embassy Tech village
Bengaluru

DEPARTMENT OF ELECTRONICS AND COMMUNICATION



OUTER RING ROAD, KADUBISANAHALLI,
PANATHUR POST, BENGALURU – 560103.

2019 - 2020



NEW HORIZON COLLEGE OF ENGINEERING

BENGALURU - 560103.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE

Certified that the Internship-project entitled “**Digital Twin for Water Domain**” is carried out by **Mr. RAGHAVENDRA K.** bearing **USN: 1NH16EC743** bonafide students of **NHCE, Bengaluru**, in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi** during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Internship-project report has been approved as it satisfies the academic requirements in respect of the Internship work prescribed for the said degree.

Signature of the Guide

Dr. Sanjeev Sharma,
Prof. & HoD,
Dept. of ECE,
Bengaluru.

Signature of the HOD

Dr. Sanjeev Sharma,
Prof. & HoD
Dept. of ECE
NHCE, Bengaluru.

EXTERNAL VIVA

Name of the Examiners

1. _____

2. _____

Signature with Date

1. _____

2. _____

NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

**AN INTERNSHIP REPORT ON
“EMBEDDED SYSTEMS”**

**BACHELOR OF
ENGINEERING IN**

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

REDDY SHEKAR B S

1NH16EC745

UNDER THE GUIDANCE OF

Mr.PUVIRAJAN

(Assistant Professor) &

**Dr. Sanjeev Sharma (Head of department) Dept.
of Electronics and communication engineering**

UNDERTHEGUIDANCEOF

Mr.ARUL BABU

UNIQ TECHNOLOGIES

Bangalore

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by REDDY SHEKAR B 1NH16EC745 the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering** Degree.

Signature of the Guide
Mr. PUVIRAJAN

Asst. Prof.
Dept. of Electronics
and
Communication
Engineering.

Signature of the HOD
**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics
and
Communication
Engineering.

Signature of the Principal
Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:



**VISVESVARAYA TECHNOLOGY UNIVERSITY, BELGAVI JNANA
SANGAMA BELGAVI-590018**

“Internship Report”

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

**Bachelor of
Engineering In**

**Electronics and Communication
Engineering 2019-2020**

**Submitted by
Shriya.G
1NH16EC749**

Internship Carried out at



Under the External Guidance of

Mrs. Meena Lochani

Netapp,

Bangalore, India.

Bangalore, India.

Under the Internal Guidance of

Mr. Rajiv Gopal

Assistant Professor

New Horizon College of

Engineering

INTERNSHIP REPORT

by Praveen S

Submission date: 23-May-2020 12:17PM (UTC+0530)

Submission ID: 1330382928

File name: 1NH16EC758.pdf (3.01M)

Word count: 11342

Character count: 63210

INTERNSHIP REPORT

Praveen S

1NH16EC758



Study Abroad Program-2019

Final Report

USN: 1NH16EC758	Name: PRAVEEN S
Final Report	Dates: From: ROUEN, FRANCE
University Name: ESIGELEC	Name of the SPOC: Yeshishwini
Branch: Electronics and Communication	NHCE Guide: Ms. Lipsa
Name of the Faculty Assigned in France:	Mr. Jean-Jacques DELARUE

REPORT

ESIGELEC is a university situated in Rouen, France with Intelligent Systems and Connected characterized by their technological expertise, an ability to adapt quickly to the business, the spirit of initiative, communication and management skills and a strong international outlook with 85 partnerships in 45 countries, an average of 6 months abroad, 22 bi-diploma programs.

A compulsory stay abroad in the course of 3 months minimum in one year (average 6 months) in university (summer school, internship, semester, year or double degree) or in company.

ESIGELEC trains generalist engineers in the field of Intelligent and Connected Systems, ranging from Aeronautical Automotive Electronics, Computer Science, to Energy, Robotics and Biomedical, etc. Its program is based on a project-based pedagogy, allowing the constitution of a real personal and professional project. It includes a strong international dimension, innovation and entrepreneurship.



ESIGELEC and its IRSEEM research institute are also involved in mobility issues: robotics and autonomous electric vehicles. Sustainable development is also concerned by our positioning in energy, new sources of sustainable production and their management.

ESIGELEC is a not-for-profit organization under the 1901 law, which carries out a public service mission. Its Board of Directors is composed of 4 colleges formed of representatives.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

“EMBEDDED SYSTEM”

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

B.N CHITHRASREE

1NH17EC405

UNDER THE GUIDANCE OF

Dr. NAVEEN. H (SR .Assistant Professor)

&

Dr. SANJEEV SHARMA (Head of department)

Dept. of Electronics and Communication Engineering

UNDER THE GUIDANCE OF

ARUL ANTONY

RELENTLESS SYSTEM

Bangalore

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by **B.N CHITHRASREE 1NH17EC405** the bonafide students of **New Horizon College of Engineering Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering** Degree.

Signature of the Guide

Dr. NAVEEN. H

Sr.Asst.Prof.
Dept. of Electronics and
Communication
Engineering.

Signature of the HOD

**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics and
Communication
Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
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Signature With Date:

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

“EMBEDDED SYSTEM”

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

JYOTHI CHANDRASHEKAR

1NH17EC410

UNDER THE GUIDANCE OF

MR.ASHOK(SR .Assistant Professor)

&

Dr. Sanjeev Sharma (Head of department)

Dept. of Electronics and Communication Engineering

UNDER THE GUIDANCE OF

ARUL ANTONY

RELENTLESS SYSTEM

Bangalore

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by **JYOTHI CHANDRASHEAR 1NH17EC410** the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering** Degree.

Signature of the Guide
MR ASHOK

Sr.Asst.Prof.
Dept. of Electronics and
Communication
Engineering.

Signature of the HOD
**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics and
Communication
Engineering.

Signature of the Principal
Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

“STUDY OF SOLID STATE-POWER CONTROLLER”

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

B.J Khowsalya

1NH17EC411

UNDER THE GUIDANCE OF

Dr. NAVEEN. H (SR .Assistant Professor)

&

Dr. SANJEEV SHARMA (Head of department)

Dept. of Electronics and Communication Engineering

UNDER THE GUIDANCE OF

Dr. ANAND KUMAR KS

NATIONAL AEROSPACE LABORATORIES

Bangalore

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by **B.J Khowsalya 1NH17EC411** the bonafide students of **New Horizon College of Engineering Bangalore** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering** Degree.

Signature of the Guide

Dr. NAVEEN. H

Sr.Asst.Prof.
Dept. of Electronics and
Communication
Engineering.

Signature of the HOD

**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics and
Communication
Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature With Date:

OVERVIEW OF METRO TRAIN ASSEMBLING

by Kiran R

Submission date: 22-May-2020 03:16PM (UTC+0530)

Submission ID: 1329758641

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NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Electronics and Communication Engineering,

6

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

OVERVIEW OF METRO TRAIN

ASSEMBLING

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

KIRAN R1NH17EC412

Under the Guidance of

Ms. TESSY

Assistant Professor.

CERTIFICATE

Certified that the internship work carried out at **BEML** by the **Preshika J M – 1NH16EC080** of **New Horizon College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** branch, of **Visvesvaraya Technological University, Belgaum** during the academic year **2019-2020**. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide
Ms. TESSY

HOD
Dr Sanjeev Sharma

Principal
Dr Manjunatha

External Viva

Name of External Examiner:

Signature with date:

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

LAYOUT DESIGN

“CMOS FABRICATION”

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING`

For the Academic year 2019-2020

SUBMITTED BY

MANASA.C

1NH17EC415

UNDER THE GUIDANCE OF

DR. NAVEEN H (SR.Assistant Professor)

&

Dr. Sanjeev Sharma (Head of department)

Dept. of Electronics and Communication Engineering

UNDER THE GUIDANCE OF

Sreenivasa Reddy K

SOCDEV Technologies Private Limited

Horamavu Bangalore

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by **MANASA.C1NH17EC415** the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering Degree**.

Signature of the Guide

Dr. NAVEEN H

Snr.Asst.Professor
Dept. of Electronics and
Communication
Engineering.

Signature of the HOD

**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics and
Communication
Engineering.

Signature of the Principal

Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:

EMBEDDED INTERNSHIP

by Rajesha T A

Submission date: 23-May-2020 11:33AM (UTC+0530)

Submission ID: 1330366868

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NEW HORIZON COLLEGE OF ENGINEERING

(Autonomous Institution Affiliated to VTU Approved by
AICTE) Accredited by NAAC 'A', Accredited by NBA
Outer Ring Road, Panathur Post, Kadubisanahalli, Bangalore
– 560103

DEPARTMENT OF ELECTRONICS AND COMMUNICATION AND ENGINEERING



CERTIFICATE

It is hereby certified that the project work entitled “**EMBEDDED INTERNSHIP**” is a bonafide work carried out by **RAJESHA TA (1NH17EC423)** in partial fulfilment for the award of **Bachelor of Engineering in ELECTRONICS AND COMMUNICATION ENGINEERING** of the New Horizon College of Engineering during the year **2019-2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said Degree.

Signature of Guide Signature of HOD
(Ms.Tessy) (Dr. Sanjeev Sharma)

External Viva

Name of Examiner Signature with date

- 1.
- 2.

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



VISVESWARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

AN INTERNSHIP REPORT ON

"EMBEDDED SYSTEM"

BACHELOR OF

ENGINEERING IN

ELECTRONICS AND COMMUNICATION ENGINEERING

For the Academic year 2019-2020

SUBMITTED BY

RAKESH KUMAR T

1NH17EC424

UNDER THE GUIDANCE OF

Ms. DIVYA SHARMA

(Sr. Assistant Professor) &

Dr. Sanjeev Sharma (Head of department) Dept.

of Electronics and Communication Engineering

UNDER THE GUIDANCE OF

Mr. Arul babu

Uniq technologies

Bangalore

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the Internship work carried out by RAKESH KUMAR T 1NH17EC424 the bonafide students of **New Horizon College of Engineering Bengaluru** in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belgaum** during the year **2019-2020**. It is further certified that all corrections/suggestions indicated for internal assessment has been incorporated in the report deposited in the department library. The Internship Report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the **Bachelor of Engineering Degree**.

Signature of the Guide
Ms. Divya sharma

Sr. Asst. Prof.
Dept. of Electronics
and
Communication
Engineering.

Signature of the HOD
**Dr. SANJEEV
SHARMA**

Prof. and HOD-ECE
Dept. of Electronics
and
Communication
Engineering.

Signature of the Principal
Dr. MANJUNATHA

Principal
NHCE

External Viva Examiner

- 1.
- 2.

Signature with date:



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Electronics and Communication Engineering,

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

OVERVIEW OF METRO TRAIN ASSEMBLING

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

SACHIN M 1NH17EC426

Under the Guidance of

Ms. Tessy

Assistant Professor

Dept of ECE

CERTIFICATE

Certified that the internship work carried out at **BEML** by the **SACHIN M – 1NH17EC426** of **New Horizon College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** branch, of **Visvesvaraya Technological University, Belgaum** during the academic year **2019-2020**. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide

Ms. Tessy

HOD

Dr Sanjeev Sharma

Principal

Dr Manjunatha

External Viva

Name of External Examiner:

Signature with date:

CHAPTER 2

Certificate of internship from the college

NEW HORIZON COLLEGE OF ENGINEERING Bellandur Main Rd, Kaverappa Layout, Near, Marathahalli, Bengaluru, Karnataka 560 103 Department of Electronics and Communication Engineering

CERTIFICATE

It is certified that the internship work carried out by **Supritha h c usn 1NH17EC429** a bonafide student of **New Horizon College of Engineering** in partial fulfilment for the award of Bachelor of Engineering / **Bachelor of Technology in Electronics and Communication Engineering** of the **Visveswaraiah Technological University, Belgaum during the year 2020**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library.

The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Name & Signature of
Guide

Name & Signature of
the HOD

Signature of the
Principal

External Viva:

Name of the examiners

Signature with date

- 1.
- 2.



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade. Accredited by NBA

Department of Electronics and Communication Engineering,

New Horizon College of Engineering

Outer Ring Road, Marathahalli, Bengaluru-560103

Internship Report

BANKING MANAGEMENT SYSTEM

Submitted in partial fulfilment for the award of degree of

Bachelor of Engineering in

ELECTRONICS AND COMMUNICATION ENGINEERING 2019-2020

Submitted by

SUSHMITHA 1NH17EC430

Under the Guidance of

Mr.Ashok

Assistant Professor

CERTIFICATE

Certified that the internship work carried out at **JMR INFOTECH** by the **SUSHMITHA – 1NH17EC430** of **New Horizon College of Engineering** in partial fulfilment for the award of **Bachelor of Engineering in Electronics and Communication** branch, of **Visvesvaraya Technological University, Belgaum** during the academic year **2019-2020**. It is certified that all corrections /suggestions indicated for internal assessment have been approved as it satisfies the academic requirements with respect of internship work prescribed for said degree.

Internal Guide
Mr.Ashok

HOD
Dr. Sanjeev Sharma

Principal
Dr .Manjunatha

External Viva

Name of External Examiner:

Signature with date: