



<b>CRITERION 3</b> <b>Research, Innovations and Extension</b>	<b>3.7 Collaboration</b>
<i>3.7.1 Details of collaborative activities for research, faculty exchange, student exchange, internship, on-the-job training, project work, etc. during the year</i>	

# **INTERNSHIP CERTIFICATES**

## **B.E. COMPUTER SCIENCE AND ENGINEERING**

### **2021-2022**



Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant
1.	Internship	Hindustan Power of Communications India Pvt.Ltd	Farin T
2.	Internship	Hindustan Power of Communications India Pvt.Ltd	Darshini V
3.	Internship	Hindustan Power of Communications India Pvt.Ltd	Benita Charlotte A
4.	Internship	Hindustan Power of Communications India Pvt.Ltd	Rithanya T
5.	Internship	Hindustan Power of Communications India Pvt.Ltd	Mohamed Abshar A
6.	Internship	X4plore	Aashish Raj S
7.	Internship	X4plore	Dharik arsath
8.	Internship	X4plore	Madhu prakash
9.	Internship	X4plore	Vignesh Pandiyan



# Hindustan Power of Communications India Pvt., Ltd.

## Certificate of Completion

Candidate ID : 8692014



*This is to certify that*

*Mr/ Mrs/ Ms/Miss. ....* **FARIN T**

*has successfully completed his/her Internship Program as*

*.....* **DIGITAL MARKETING TRAINEE**

*from* **27/09/2021** *to* **10/10/2021**

*We appreciate your contribution and satisfied with your performance as an intern at HPOC. We wish you the best in your future endeavours.*

**FOR HPOC (INDIA) PRIVATE LIMITED**

**R. GANAPATHI SUBRAMANIAN B.E., Director**



# Hindustan Power of Communications India Pvt., Ltd.

## Certificate of Completion

Candidate ID : 2143793



*This is to certify that*

*Mr/ Mrs/ Ms/Miss. ....* **DARSHINI V** *.....*

*has successfully completed his/her Internship Program as*  
**DIGITAL MARKETING TRAINEE**  
*.....*

*from* **27/09/2021** *to* **10/11/2021** *.....*

*We appreciate your contribution and satisfied with your performance as an  
intern at HPOC. We wish you the best in your future endeavours.*

**FOR HPOC (INDIA) PRIVATE LIMITED**

**R. GANAPATHI SUBRAMANIAN B.E., Director**





# Hindustan Power of Communications India Pvt., Ltd.

## Certificate of Completion

Candidate ID : 7903451



*This is to certify that*

*Mr/ Mrs/ Ms/Miss.* ..... **BENITA CHARLOTTE A** .....

*has successfully completed his/her Internship Program as*  
..... **DIGITAL MARKETING TRAINEE** .....

*from* ..... **27/09/2021** ..... *to* ..... **10/11/2021** .....

*We appreciate your contribution and satisfied with your performance as an  
intern at HPOC. We wish you the best in your future endeavours.*

**FOR HPOC (INDIA) PRIVATE LIMITED**

**R. GANAPATHI SUBRAMANIAN B.E., Director**



# Hindustan Power of Communications India Pvt., Ltd.

## Certificate of Completion

Candidate ID : 6172930



*This is to certify that*

*Mr/ Mrs/ Ms/Miss. ....* **RITHANYA M** *.....*

*has successfully completed his/her Internship Program as*  
**DIGITAL MARKETING TRAINEE**  
*.....*

*from* **27/09/2021** *to* **10/11/2021** *.....*

*We appreciate your contribution and satisfied with your performance as an  
intern at HPOC. We wish you the best in your future endeavours.*

**FOR HPOC (INDIA) PRIVATE LIMITED**

**R. GANAPATHI SUBRAMANIAN B.E., Director**

# Hindustan Power of Communications India Pvt., Ltd.

## *Certificate of Completion*

Candidate ID : 8792104



*This is to certify that*

Mr/ Mrs/ Ms/Miss. .... **MOHAMED APSHAR A** .....

*has successfully completed his/her Internship Program as*

..... **DIGITAL MARKETING TRAINEE** .....

*from* ..... **27/09/2021** ..... *to* ..... **10/10/2021** .....

*We appreciate your contribution and satisfied with your performance as an intern at HPOC. We wish you the best in your future endeavours.*

**FOR HPOC (INDIA) PRIVATE LIMITED**

**R. GANAPATHI SUBRAMANIAN B.E., Director**



**Jun 03, 2022**

**TO WHOMSOEVER IT MAY CONCERN**

Dear Sir/Madam,

This letter is to certify that Mr.Aashish Raj has successfully undergone internship at X4plore (trade name with GSTIN:33ATZPJ3240P1Z2) from the period **24 Jan, 2022 to 27 May, 2022** as a Software Engineering intern.

During this period at X4plore, he learnt and worked on the following:

- Developed Image Processing Filters using openCV in C++, python
- Developed UI Widgets, tutorial web pages for product
- Helped in creating various assets to use in product
- Learnt OOPs in C++ and used in his work

We wish him the very best in his future endeavours.

For further queries, reach out to [janakiraman@x4plore.com](mailto:janakiraman@x4plore.com).

Sincerely,

Janakiraman Sankara Narayanan  
Founder, X4plore

Registered Office:  
61/34, KASUKKADAI BAZAR, THIRUCHULI ROAD  
ARUPPUKOTTAI, Virudhunagar, Tamil Nadu, 626101  
GSTIN: 33ATZPJ3240P1Z2



**Jun 03, 2022**

**TO WHOMSOEVER IT MAY CONCERN**

Dear Sir/Madam,

This letter is to certify that Mr.Dharik Arsath has successfully undergone internship at X4plore (trade name with GSTIN:33ATZPJ3240P1Z2) from the period **24 Jan, 2022 to 27 May, 2022** as a Software Engineering intern.

During this period at X4plore, he learnt and worked on the following:

- Developed Image Processing Filters using openCV in C++, python
- Helped writing GLSL material shader code that runs in OpenGL
- Developed backend web services that runs in python Environment
- Integrated MySQL database and helped in creating authentication and user access modules

Dharik is very strong in python programming and he was very useful in figuring out mathematical models used in our domain. Even for many abstract problems, he was able to quickly navigate and come up with a viable solution. He was very disciplined and regular throughout his period of internship.

We wish him the very best in his future endeavours.

For further queries, reach out to [janakiraman@x4plore.com](mailto:janakiraman@x4plore.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Janaki'.

Janakiraman Sankara Narayanan  
Founder, X4plore

Registered Office:  
61/34, KASUKKADAI BAZAR, THIRUCHULI ROAD  
ARUPPUKOTTAI, Virudhunagar, Tamil Nadu, 626101  
GSTIN: 33ATZPJ3240P1Z2



**Aug 26, 2022**

**TO WHOMSOEVER IT MAY CONCERN**

Dear Sir/Madam,

This letter is to certify that Mr. Madhu Prakash has successfully undergone internship at X4plore (trade name with GSTIN:33ATZPJ3240P1Z2) from the period **24 Jan, 2022 to 27 May, 2022** as a Software Engineering intern.

During this period at X4plore, he learnt and worked on the following:

- Developed Custom UI Widgets products in C++, that are functional and colorful
- Created Frontend UI/UX Systems for Users Login, Download pages etc. Created CSS templates and HTML Layouts to make sure the website is consistent across pages
- Maintained Linux servers and explored application packaging options on linux.
- Helped in creating Tutorial pages and Video Content for testing and marketing purposes.

MadhuPrakash is an honest and a very punctual person. He has good oratory skills that can be helpful in communicating with customers and users. He was particularly interested in creating UI for both product and web. While creating, he was able to incorporate elegant designs without compromising functionality. He would be helpful in creating frontend systems and communicating it to users.

We wish him the very best in his future endeavours.

For further queries, reach out to [janakiraman@x4plore.com](mailto:janakiraman@x4plore.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Janaki'.

Janakiraman Sankara Narayanan  
Founder, X4plore

Registered Office:  
61/34, KASUKKADAI BAZAR, THIRUCHULI ROAD  
ARUPPUKOTTAI, Virudhunagar, Tamil Nadu, 626101  
GSTIN: 33ATZPJ3240P1Z2



**Jun 03, 2022**

**TO WHOMSOEVER IT MAY CONCERN**

Dear Sir/Madam,

This letter is to certify that Mr.Vignesh Pandian has successfully undergone internship at X4plore (trade name with GSTIN:33ATZPJ3240P1Z2) from the period **24 Jan, 2022 to 27 May, 2022** as a Software Engineering intern.

During this period at X4plore, he learnt and worked on the following:

- Developed Custom UI Widgets products in C++, which require Geometry knowledge
- Helped procure and validate computer hardwares, and managed OS's and essential development libraries in all systems.
- Developed modules using systems programming to manipulate windows in windows/linux
- Researched and Developed base POCs for Audio processing modules to extend further

Vignesh is a very open, honest and sincere person who can be entrusted with important activities. He is encouraging towards his fellow workers and also sincere in his individual work. He has a good analytical mind in solving engineering problems. He is strong in subject fundamentals and can understand problems deeper than at a top level. He often worked on problems which require more mathematical knowledge and require more analysis figuring out.

We wish him the very best in his future endeavours.

For further queries, reach out to [janakiraman@x4plore.com](mailto:janakiraman@x4plore.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Janakiraman'.

Janakiraman Sankara Narayanan  
Founder, X4plore

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