

## Ajay Kant Upadhyay

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Profile: <http://msvs-dei.vlabs.ac.in/ajay/index.html>

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### Objective

Seeking a challenging position in your esteemed organization where my technical liaison and co-ordination skills can be utilized effectively to improve operations and contribute to the company's growth.

### Professional Summary

- 13 years of experience in Web Development using PHP and MySQL.
- Deputed as "Project Associate" in Dayalbagh Educational Institute, Agra.
- A result oriented professional with experience in HTML, CSS and JavaScript.
- Web Developer with WordPress CMS and Laravel Framework.

### Professional Skills

Languages	PHP, HTML, CSS, JavaScript, JQuery
Database	MySQL
Framework	Laravel
CMS	WordPress
Concepts	OOPs Principles, Data Structure
Web Server	XAMPP, WAMP, LAMP
Platforms	Windows, Linux

### Professional Experience

I am working as "**Project Associate**" in Ministry of Education sponsored project entitled "**Virtual Lab Phase-III Extended**" in Dayalbagh Educational Institute, Agra. I am developing "**Manufacturing Processes (Foundry & Casting) Virtual Simulation Lab**" website. The objective of this virtual lab is to making engineering education immersive, engaging, understand, enjoyable and simulate experiments online which will help students to formulate factual results on their own. I have worked on the following projects.

Website: <https://virtual-labs.github.io/exp-sand-casting-process-dei/index.html>

**Project-1:** Web Developer in Dayalbagh Educational Institute, Agra, in MHRD sponsored project entitled "**Metal Forming Virtual Simulation Lab**" since August 20, 2010 to December 31, 2013.

The project aim was to develop a "Virtual Laboratory" for Metal Forming processes under "National Mission on Education through Information and Communication Technology (NME-ICT)" of MHRD e-learning Project. The website helps engineering students and faculty members for understanding various Metal Forming processes through interactive simulations, detailed description of the processes and multiple choice of questions.

Website Link-1: <http://msvs-dei.vlabs.ac.in>

**Project-2:** Web Developer in Hindustan College of Science & Technology, Farah, Mathura, in NSDC (National Skill Development Corporation) sponsored project entitled "**Skill Development Training & Entrepreneurship (SDTE)**" since January 10, 2014 to December 31, 2014.

I had developed a website of SDTE (Skill Development Training & Entrepreneurship) for Hindustan College of Science & Technology about NSDC sponsored courses, syllabus and batches.

**Project-3:** Project Associate in Dayalbagh Educational Institute, Agra, in MHRD sponsored project entitled "**Virtual Lab Phase-II**" since January 1, 2015 to August 31, 2019.

I had developed website for Manufacturing Processes-1 and Metal Forming Virtual Simulation Lab in Hindi. I have worked on integration and outreach of Virtual Simulation Labs and maintenance of "**Metal Forming Virtual Simulation Lab**" website where simulations were uploaded on [www.youtube.com](http://www.youtube.com) and embedded code of simulations in webpages from [www.youtube.com](http://www.youtube.com).

Website: <http://msvs-dei.vlabs.ac.in>

Website: <http://msvs-dei.vlabs.ac.in/mem103/memHome.html>

Website: <http://msvs-dei.vlabs.ac.in/hindi/home.html>

**Project-4:** Project Associate in Dayalbagh Educational Institute, Agra, in MOE sponsored project entitled "**Virtual Lab Phase-III**" since September 01, 2019 to June 30, 2022.

The aim of this project was to develop a "**3D Printing Virtual Simulation Lab**" website. Its purpose was to describe the working and assembly of 3D Printers with interactive simulations. 3D printing or additive manufacturing is a process of making three dimensional solid objects from a digital file. The creation of a

3D printed object is achieved using additive processes. An object is created by laying down successive layers of material till the object is created. Each of these layers can be seen as a thinly sliced cross-section of the object.

Website: <https://3dp-dei.vlabs.ac.in>

**Project-5:** Project Associate in Dayalbagh Educational Institute, Agra, in MOE sponsored project entitled “**Virtual Lab Phase-III Extended**” since July 01, 2022 to till date.

The aim of this project is to develop a “**Manufacturing Processes (Foundry & Casting) Virtual Simulation Lab**” website. Its purpose is to making engineering education immersive, engaging, understand, enjoyable and simulate experiments online which will help students to formulate factual results on their own.

Website: <https://virtual-labs.github.io/exp-sand-casting-process-dei/index.html>

### **Training**

- Five days training in virtual lab **BootCamp** at Gujarat University, Ahmedabad in January 2019.
- Seven days training on **3D Printer Technologies & Firmware Installation** in SoftTact Technologies, Mumbai in April 2017.
- Two days training on **College Cloud Edition Workshop** at IIIT, Hyderabad in March 2017.
- Three days training on **Quality Assurance and Testing** at IIIT, Hyderabad in February 2016.
- Three weeks training on **Website Integration and Hosting** at IIIT, Hyderabad in January 2015.
- Three days training for **Website Hosting with GitHub** at IIT, Delhi in November 2012.
- Three days training for **Making Repository with GitHub** at IIIT, Hyderabad in October 2012.

### **Qualifications**

- M.C.A. in 2010 from Institute of Computer and Information Science (ICIS), Dr. B. R. Ambedkar University, Agra.
- B.Sc. in 2007 from Krishna College of Science and Technology, affiliated to Dr. B. R. Ambedkar University, Agra.
- Intermediate in 2004 from D. P. Inter College, Agra, affiliated to Uttar Pradesh Board.
- High School in 2002 from Sant Udayraj H. S. S., Agra, affiliated to Uttar Pradesh Board.

### **Personal Information**

Name	:	Ajay Kant Upadhyay
Father's Name	:	Shri Deen Dayal Upadhyay
Date of Birth	:	12 <sup>th</sup> August 1986
Gender	:	Male
Nationality	:	Indian
Languages	:	Hindi, English
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