Ajay Kant Upadhyay
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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

- Working as "***Project Associate***" in Dayalbagh Educational Institute, Agra.
- MCA from Dr. Bhimrao Ambedkar University, Agra, having **12 years' experience** in Web Development using PHP and MySQL.
- 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 and MSSQL
CMS	WordPress
Framework	Laravel, CodeIgnitor
Concepts	OOPs Principles, Data Structure
Web Server	XAMPP, WAMP, LAMP
Platforms	Windows, Linux

Professional Experience

July 2022 – Till Date   **Dayalbagh Education Institute**   **Agra**

I am working as "**Project Associate**" since July 01, 2022 to till date in MHRD sponsored project entitled "***Virtual Lab Extended Phase-III***" in Dayalbagh Education Institute, Agra.

I am developing "**Manufacturing Processes (Foundry & Casting) Virtual Simulation Lab**". It is an initiative of Ministry of Human Resource and Development (MHRD) under the National Mission on Education through Information and Communication Technology (NME-ICT). The objective of this virtual lab is to make engineering education immersive, engaging, understand, enjoyable and simulate experiments online which will help students to formulate factual results on their own.

Sep 2019 – June 2022   **Dayalbagh Education Institute**   **Agra**

I have worked as "**Project Associate**" since September 01, 2019 to June 30, 2022 in MHRD sponsored project entitled "***Virtual Lab Phase-III***" in Dayalbagh Education Institute, Agra.

I have developed "**3D Printing Virtual Simulation Lab**" website. Its purpose is 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.

- I have developed and hosted "3D Printing Virtual Simulation Lab" on MHRD Virtual Lab server. *https://3dp-dei.vlabs.ac.in*
- I have worked on development and maintenance of "Metal Forming Virtual Simulation Lab". *http://14.139.245.230/mfvlab/home.php*
- I have worked on *"Moodle"* for creating web pages of courses and quizzes with automatic evaluation of MEM728 *"Additive Manufacturing for 3D Printing"* and MEM103 *"Manufacturing Processes-I"*.

Jan 2015 – Aug 2019   **Dayalbagh Education Institute**   **Agra**

I have worked as "**Project Associate**" since January 08, 2015 to August 31, 2019 in MHRD sponsored project entitled "***Metal Forming Virtual Simulation Lab Phase-II***" in Dayalbagh Education Institute, Agra.

- I have hosted "Metal Forming Virtual Simulation Lab" website on MHRD Virtual Lab server. *http://msvs-dei.vlabs.ac.in*
- I have developed "Manufacturing Processes (MEM-103)" website according 2019 syllabus. *http://14.139.245.230/mfvlab/mem103.php*
- I have developed "Manufacturing Processes (VDM-101)" website for B. Voc. Students. *http://14.139.245.230/mfvlab/vdm101_18/mem103.php*
- I have developed "Manufacturing Processes (MEM-103)" website according 2018 syllabus. *http://14.139.245.230/mfvlab/ mem103_18/mem103.php*
- I have developed a responsive website of "Metal Forming Processes" in Hindi. *http://msvs-dei.vlabs.ac.in/hindi/home.html*
- I have developed "Manufacturing Processes (MEM-103)" website according 2017 syllabus. *http://14.139.245.230/mfvlab/mem103_17/mem103.php*

- I have worked on "Virtual Power Lab" for maintenance and hosting on MHRD Virtual Lab server.
  http://vp-dei.vlabs.ac.in/Dreamweaver/index.html
- I have developed "Manufacturing Processes (MEM-103)" website according 2016 syllabus.
  http://14.139.245.230/mfvlab/mem103_16/mem103.php
- I have uploaded 947 simulation videos on youtube, embedded youtube code of simulation videos in webpages and hosted a separate website on DEI Virtual Lab server.
  http://14.139.245.230/mfvlab/mfvs/home.php
- I have developed "Manufacturing Processes (MEM-103)" website according 2015 syllabus.
  http://14.139.245.230/mfvlab/mem103_15/mem103.php
- I have worked on GitHub for hosting Virtual Labs.

Dec 2012 – Jan 2015   **Dayalbagh Education Institute**   **Agra**

I have worked as "**Web Developer**" since December 11, 2012 to January 07, 2015 in MHRD sponsored project entitled "***Metal Forming Virtual Simulation Lab Phase-I***" in Dayalbagh Education Institute, Agra.
- I have worked on maintenance of website, database and fetching of feedbacks.
- I have embedded google analytics code in website to get analytics report.
- I have made portable website of "mfvlab". Website run from USB flash drive or CD/DVD with Database.
- I have developed "Manufacturing Processes (MEM-103)" website according 2014 syllabus.
  http://14.139.245.230/mfvlab/mem103_14/mem103.php
- I have developed program for captcha code used in registration and feedback forms.
- I have developed "alumni meet 2013 online feedback system" for Faculty of Engineering, DEI using file handling. When alumni submit feedback, it saves in word format on server.
  http://14.139.245.230/mfvlab/feedbk.php
- I have developed "Manufacturing Processes (MEM-103)" website according 2013 syllabus.
  http://14.139.245.230/mfvlab/mem103_13/mem103.php
- I have made portable website of MEM-103. Website run from USB flash drive or CD/DVD with Database.
- I have worked on LAMP server in Ubuntu Operating System to run the Metal Forming Virtual Simulation Lab.

Sep 2011 – Nov 2012   **Dayalbagh Education Institute**   **Agra**

I have worked as "**Project Associate**" since September 3, 2011 to December 10, 2012 in MHRD sponsored project entitled "***Metal Forming Virtual Simulation Lab Phase-I***" in Dayalbagh Education Institute, Agra.
- I have developed visitor's numbers program using file handling to check usage of website.
- I have setup mercury mail service on XAMPP for sending emails through server.
- I have embedded time program on home page of website to saw the current time from server.
- I have developed pagination program on glossary page of website.
- I have worked on voice capturing and mixing in simulation videos using Camtasia Studio.
- I have developed interactive simulation benches with multiple choices of parameters.
- I have developed program to saw the process of simulation in text below each simulation video.
- I have developed "Manufacturing Processes (MEM-103)" website according 2012 syllabus.
  http://14.139.245.230/mfvlab/mem103_12/mem103.php

Aug 2010 – Aug 2011   **Dayalbagh Education Institute**   **Agra**

Have worked as "**Research Assistant**" since August 20, 2010 to September 2, 2011 in MHRD sponsored project entitled "***Metal Forming Virtual Simulation Lab Phase-I***" in Dayalbagh Education Institute, Agra.

It was an initiative of Ministry of Human Resource and Development (MHRD). The project aim is to develop "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 videos of simulations, detailed description of the processes and Multiple Choice of Questions.
- I have developed and hosted "Metal Forming Virtual Simulation Lab" website on DEI server.
  http://14.139.245.230/mfvlab/home.php
- I have embedded simulation videos in webpages to view the process of simulation.
- I have developed Self Check Quiz for students to test their learning from the website.
- I have created slides of videos and image's in Shockwave Flash software.
- I have worked on SnagIt Editor and Camtasia Studio for video capturing and video editing.

Training
- Five days training in "***Virtual Lab Boot Camp***" 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 of Website***" at IIIT, Hyderabad in February 2016.
- Three weeks training on "***GitHub for Website Integration and Hosting***" at IIIT, Hyderabad in January 2015.
- Three days training for "***Migration and Hosting of Website***" at IIT, Delhi in November 2012.
- Three days training for "***Website Hosting on Virtual Lab Portal***" 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
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Gender	Male
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