

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 11 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 CodeIgnitor Framework.

Professional Skills

Languages	PHP, Python, C, C++, HTML, CSS, JavaScript, Ajax, JQuery
Database	MySQL, MySQLi and MSSQL
CMS	WordPress
Framework	CodeIgnitor, Laravel
Concepts	OOPs Principles, Data Structure
Web Server	XAMPP, WAMP, LAMP
Platforms	Windows, Linux

Professional Experience

August 2021 – Till Date

Dayalbagh Education Institute

Agra

Working as "Project Associate" since August 01, 2021 to till date in MHRD sponsored project entitled "*Virtual Lab Phase-III*" in Dayalbagh Education Institute, Agra.

- Working on development and maintenance of 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.
<https://3dp-dei.vlabs.ac.in>
- Working on development and maintenance of Metal Forming Virtual Simulation Lab.
<http://msvs-dei.vlabs.ac.in>

Sep 2019 – July 2021

Dayalbagh Education Institute

Agra

Have worked as "Project Associate" since September 01, 2019 to July 31, 2021 in MHRD sponsored project entitled "*Virtual Lab Phase-III*" to develop 3D Printing Virtual Simulation Lab website in Dayalbagh Education Institute, Agra.

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

Aug 2016 – Aug 2019

Dayalbagh Education Institute

Agra

Have worked as "Project Associate" since August 08, 2016 to August 31, 2019 in MHRD sponsored project entitled "*Metal Forming Virtual Simulation Lab Phase-II*" in Dayalbagh Education Institute, Agra.

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

Jan 2015 – Jul 2016**Dayalbagh Education Institute****Agra**

Have worked as “Project Associate” since January 8, 2015 to August 07, 2016 in MHRD sponsored project entitled “*Metal Forming Virtual Simulation Lab Phase-II*” in Dayalbagh Education Institute, Agra.

- Developed Manufacturing Processes (MEM-103) website according 2016 syllabus.
http://14.139.245.230/mfvlab/mem103_16/mem103.php
- Have worked in Virtual Power Lab for maintenance and hosting on MHRD Virtual Lab server.
<http://vp-dei.vlabs.ac.in/Dreamweaver/index.html>
- 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>
- Developed Manufacturing Processes (MEM-103) website according 2015 syllabus.
http://14.139.245.230/mfvlab/mem103_15/mem103.php
- Worked on GitHub for hosting Virtual Labs.

Jan 2014 – Dec 2014**Hindustan College of Sc. and Tech.****Mathura**

Have worked as “Web Developer” since January 10, 2014 to December 31, 2014 in NSDC (National Skill Development Corporation) sponsored project “Skill Development Training & Entrepreneurship (SDTE)” in Hindustan College of Science & Technology, Farah, Mathura.

- Developed a website of SDTE (Skill Development Training & Entrepreneurship) for HCST about courses, syllabus and batches.
- Developed program for uploading data in database from excel sheet. When excel sheet is uploaded through a file, It converts data in csv file format then create a table in database with file name of excel sheet and use first row of csv file as column name then insert data into table.
- Developed Manufacturing Processes (MEM-103) website according 2014 syllabus.
http://14.139.245.230/mfvlab/mem103_14/mem103.php

Dec 2012 – Dec 2013**Dayalbagh Education Institute****Agra**

Have worked as “Web Developer” since December 11, 2012 to January 09, 2014 in MHRD sponsored project entitled “*Metal Forming Virtual Simulation Lab Phase-I*” in Dayalbagh Education Institute, Agra.

- Maintenance of website and database, fetching of feedbacks.
- Embedded google analytics code in website to get analytics report.
- Have made portable website of mfvlab. Website run from USB flash drive or CD/DVD with Database.
- Developed program for captcha code used in registration and feedback forms.
- 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>
- Developed Manufacturing Processes (MEM-103) website according 2013 syllabus.
http://14.139.245.230/mfvlab/mem103_13/mem103.php
- Have made portable website of MEM-103. Website run from USB flash drive or CD/DVD with Database.
- Worked on LAMP server in Ubuntu Operating System to run the Metal Forming Virtual Simulation Lab.

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

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.

- Developed visitor’s numbers program using file handling to check usage of website.
- Setup mercury mail service on XAMPP for sending emails through server.
- Embedded time program on home page of website to saw the current time from server.
- Developed pagination program on glossary page of website.
- Voice capturing and mixing in simulation videos using Camtasia Studio.
- Developed interactive simulation benches with multiple choices of parameters.
- Developed program to saw the process of simulation in text below each simulation video.
- 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.

- Developed a Metal Forming Virtual Simulation Lab website using PHP and MySQL.
- Hosted Metal Forming Virtual Simulation Lab website on DEI Virtual Lab server.
<http://14.139.245.230/mfvlab/home.php>
- Embedded simulation videos in webpages to view the process of simulation.
- Developed Self Check Quiz for students to test their learning from the website.
- Created slides of videos and image's in Shockwave Flash software.
- Worked on Camtasia Studio for video editing.
- Worked on Snagit Editor and Camtasia Studio for video capturing.

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** in IIIT, Hyderabad in March 2017.
- Three days training on **GitHub** for Quality Assurance and Testing in IIIT, Hyderabad in February 2016.
- Three weeks training on **GitHub** for website Integration and hosting in IIIT, Hyderabad in January 2015.
- Three days training on **Bazaar Version Control** System in IIT, Delhi in November 2012.
- Three days training on **Bazaar Version Control** System in 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 th August 1986
Gender	Male
Nationality	Indian
Languages	Hindi, English
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