

Design, Development and Maintenance of Web Applications, Network Infrastructure and Social Media of PSSCIVE (PAC Code 21.14) – WGM – I

The first workshop for Design, Development and Maintenance of Web Applications, Network Infrastructure, Social Media and Network Infrastructure of PSSCIVE (PAC Code 21.14) was organised at PSSCIVE, Bhopal from 1 to 12 July, 2024. One external expert attended the workshop along with the project staff. In this workshop, at first the expired SSL installed and also the digital certificate of VPN account expired after one year was installed. While doing the work of search engine optimization and applying the Algolia search utility, it was noticed that these things can be applied on the latest version of software PHP and Laravel. The institute website is hosted on the Linux CentOS version 7.9. web server and the Cent OS 7.9 has reached the end of life on 30 June, 2024. It was also reported by NIC that the current Apache server is outdated and it should be upgraded. The upgraded versions of PHP, Laravel and Apache are not available for Cent OS web server as it has reached end of life. Hence in consultation with NDC Bhubaneswar where our virtual machine is located and in consultation with NICS, HQ, Delhi, the new web server Ubuntu 22.04 was temporarily allocated. All the existing services, including the code and storage of the website was migrated to new Ubuntu server. In this process we have to make several phone calls to NDC Bhubaneswar and NICS, HQ, Delhi. For this the expert has to stay for two more days and at last all the services including data and code migrated to new web server Ubuntu Linux. But the DNS mapping could not be done as to make the website public it is mandatory to conduct the security audit of the website, which has to be done by the user department. This work is pending at institute level. After completing the security audit the website can be made public in the new web server.