Best Practices 2020-21

Best Practice I – <u>Efficient use of Learning Management System- MOODLE</u>

1.   **Title of the Practice**

Learning Management System- MOODLE

2. Objectives of the Practice

To adopt innovative practices in Teaching-Learning process through ICT, we have implemented & integrated MOODLE- LMS on our website dated 21st March, 2020 so that teaching learning process cannot break when the whole India was going to enter into Complete

Lockdown due to COVID-19 pandemic and teacher as well student will be at home. *The objective behind the launch of this platform* is "*Education 24 x 7 and No one can stop a student to learn in any circumstances*".

3. The Context

Through our online MOODLE-LMS platform, we complete the cycle of Teaching - Learning process online from e-content deliver to its monitoring & controlling. We deliver e-content of various courses in the form of video lectures, Interactive Power Point Presentations (ppts), Portable Documents Format (pdf), docx, odt and in many more formats to our bright young minds of India at SMS Varanasi. We monitor & control their performance through assignments, quizzes and discussion forums. We implemented rubrics while evaluating the answer scripts of sessionals and semester examinations. We also track their activities of our students such as how many times they have seen the e-content/ downloaded etc.

4**. The Practice**

As we all know in the COVID-19 pandemic complete lockdown situation no student and teacher as well were able to join the college. We all are bound to continue our teaching-learning process online in the same effectiveness as in offline then we switch over to MOODLE-LMS which is implemented in 70% of the best universities & institutions in the world and integrated it with our website with a subdomain named "moodle.smsvaranasi.com".

After configuring MOODLE platform we were able to execute most of the teaching-learning activities in an online mode such as:

- **Delivery of e-content from faculty to students**
- **Tracking of delivered e-content such as when who, how many times it has been accessed**
- **Conduct the quizzes on taught topics by setting up quiz submission date, time, attempt limit, etc.**
- **Automatic quiz evaluation question-wise and overall.**
- **Assignment distribution and submitting with settings like the last date of submission, attempts, file submission format, instruction, etc.**
- **Assignment digital grading by faculty and same has reflected students too.**
- **We can also implement a rubric while grading assignments**
- **Student's performance is visible to the student as well as teacher login.**
- **Security features are also implemented very effectively such as**
  - **blocking any login**
  - **fix the visibility of content**
  - **limit the submission of quiz/ assignment**
  - **backup and restore feature**
  - **Every login is privately managed no one can access the others.**

5. Evidence of Success

SMS Varanasi has set up all its courses on the MOODLE-LMS platform with subjects running under them. More than 2500 Students and faculties as well were enrolled into the platform and 12000 approx. e-content uploaded in various formats i.e. videos, pdf, Docx, ppt, Xls, CSV, etc in this platform.

The above results indicate the effectiveness, acceptability, and usability of MOODLE-LMS (adopted innovative practice) especially in the COVID-19 pandemic situation when everyone was forced to Work from Home.

6. Problems Encountered and Resources Required

We have faced a lot of problems while implementing this system few major of them are:

• **Problem of concurrent user requests**

• **load balancing**

• **code optimization**

• **plug-ins authenticity**

• **email APIs**

• **PHP in configuration**

• **Apache fine-tuning**

• **MySQL performance optimization**

To implement the MOODLE-LMS, we have configured a dedicated server with 8 Core CPU, 32 GB RAM, 250 GB SDD, 50 % Swap Memory with i7 processors, and running LINUX OS on that by supporting PHP 7.0 & above, MySQL 5.7, and Apache 2.4.46. our server has unlimited bandwidth and supports CDN.

Best Practice II – Helping local community fight COVID 19

1. **Title of the Practice**

Contributing and Mitigating Local Community issues on the theme " Kashi Fighting COVID-19"

1. **Objectives of the Practice**

The main theme is " Kashi Fighting COVID -19". Under this theme, every group of the students will study, analyze and explore the solution towards COVID-19 in various areas of Kashi.

1. **The Context**

The important challenging issues that are needed to be addressed thoroughly:

- **The mentality of the Kashi people is that nothing will happen to them since they are living in Lord Shiva City- Kashi.**
- **Habits of being casual in all situations.**

2. The Practice

The entire process was carried out in nearby villages adopted by the college and a few city areas where after the study of the Kashi Fighting COVID-19 following issues and its solution were explored by the students, NSS team of the college, and with the support of ASHVA NGO

- **Villagers and Passengers are very casual towards COVID-19**
- **Especially Rural people's thoughtthat they are safe from Corona. Nothing will happen to them as they are living in village areas.**
- **Many false beliefs related to the vaccination were found among the people of Kashi.**
- **People were more afraid of their jobs, services, and financial issues than Corona.**
- **Awareness program should be conducted on a regular basis among the people towards COVID-19.**
- **Counselling should be given to the villagers not agreeing to vaccination.**
- **Group of students visited and met with the villagers.**
- **Organized COVID-19 awareness Programme.**
- **Did counseling of the people not ready to take vaccines.**
- **Convince them with the facts and figures of the effect of COVID-19.**

3. Evidence of Success

· Most of the villagers are convinced about the COVID-19 effect and danger.

· Villagers are convinced about the vaccination and further convince their friends and relatives to go for vaccination.

· People are becoming self-aware about the pandemic COVID-19.

· Less COVID -19 casualties were found in these areas.

· Kashi being one of the most populated areas, the net effects of COVID-19 were less compared with other cities.

4. Problems encountered and Resources:

· Selection of the area for the process.

· Support from NGO.

· Support from members and students of the college.