

Best Practices 2021-2022

Best Practice-1: Digital Initiatives

The college makes intensive use of ICT-enabled tools, including online resources for effective teaching and learning process. The faculty use ICT-enabled classrooms with LCD projectors, Wi-Fi connectivity, software, PowerPoint presentations developed by teachers to expose the students to advanced knowledge and practical learning. The labs are updated with new software like Python, Matlab, Microsoft Office, the latest Excel utilities. The college is 'going green' and saving paper through the extensive use of ICT resources and other computing and storage facilities such as Cloud based Google Drive. The faculty is also accessible to students on mail, phone, message, WhatsApp and on online teaching platforms like Google classroom, MS Teams App. The principal remains in constant communication with the staff members, students and also the hostel residents through mail, phone and whatsapp groups formed for the purpose of speedy communication and redress of problems faced by students.

The e-resources of the college library are available on NIC Cloud through e-Granthalaya software. It also provides facility of accessing about 30,000 e-journals and research articles provided by Delhi University Library System (DULS) through internet to staff members and students. In the year 2020-2021 the college became a member of N-List – Database. The IQAC of the college has focused on making better use of technology, especially during pandemic times. The college and departments maintained an excellent connection with industry through guest talks, workshops, seminars regularly in physical mode before the onset of pandemic and in online mode during pandemic. Webinar recordings were made available through online links to enable students and faculty to access them later as per their convenient time.

Institutional mail ids have been created for students for greater transparency and validation of online correspondence. MS Teams ids were created for students. Online

platforms like Skype / Zoom Meet / Google Meet/ Google Hangout/ Video conferencing etc. have been used especially during pandemic for lectures, tutorials and practical classes. The college encourages in-house development and maintenance of college website, web applications, and other utility software to maintain the record of college data in easily accessible electronic format and facilitate the access of relevant documents and forms required by various stakeholders. Web applications are used by administration, faculty and students to upload and access the academic data, attendance data, leave record, internal assessment, examination forms, evaluation and for processing admissions. The college website is a trusted platform through which valuable information can be disseminated to the stakeholders and the general public for all aspects of the functioning of the college.

Best Practice-2: Waste Segregation

Generation of waste is inevitable in every habitation however big or small. Due to drastic change in the life style of human society, reflection about waste management techniques is an essential requisite for educational institution as well. College follows a prudent sustainable approach to minimize the generation of waste inside the college premises. The dead leaves are not burnt but disposed off in the composting pits. The students and staff members help in promotion of solid waste management, practiced through segregation of the waste as biodegradable and non-biodegradable in separately-colored bins. Kitchen waste and the horticulture waste generated inside college premises are converted to the natural manure/ compost within the campus. The harvested bio compost is used in the college gardens. To achieve the goal of zero discharge campus, the college has established the sewage treatment plant for treatment and recycling of sewage within the college campus. There is a strict protocol for liquid waste in chemistry laboratory. The glassware is rinsed with minimum water and concentrated acidic or alkaline solutions are neutralized before disposal as per the guidelines. E-waste is disposed of without harming the environment, as per prevailing norms, and the University's MoU with MSTC, which is a Govt. owned PSU.

Three cartons labelled as e -waste, plastic waste and metal waste have been placed at different locations for safe disposal. The Computers/UPS/ mobiles are repaired/recharged/ replaced subject to the need for the best utilization. For efficient management of waste water recycling, a 100 KLD capacity Sewage Treatment Plant (STP) is installed in the college and is functional at present.