

Report

ONE WEEK FACULTY DEVELOPMENT PROGRAMME

(FROM 7TH TO 15TH MARCH 2022)

THEME: USE OF ICT IN TEACHING LEARNING PROCESS



Organized by

IQAC in Collaboration with Literary Activities Committee,
Library Committee and Department of BCA

GOVT. DEGREE COLLEGE FOR WOMEN, BARAMULLA, 193101

Backdrop:

Education plays a very vital and strategic role in the society. It is related not only to the development of the individual and the acquisition of knowledge but also to character formation. Higher education mostly concentrate on imparting information but with the present infrastructure, class size, availability of teachers, training of teachers etc. it is difficult to achieve up to date information. ICT (Information and Communication Technology) is increasingly becoming crucial part of the education systems and its Governance. Application of ICT has brought about markedly drastic technological, social and economic changes. These changes have caused educational institution, administrations and teachers to reconsider their roles, teaching and vision for futures. The proper integration of ICT with teaching-learning environment and governance increases quality of education and incensement in productivity. The growing use of ICT has changed strategies employed by both teachers and students in teaching learning processes. ICT is playing an important role in bringing about qualitative change in every aspect of human life in general and that of governance of education in particular.

We are in an era where students are using e-learning tools more than the printed textual material. Various Universities (both private and Govt.) have started developing online courses. The world e-learning industry is growing at a faster rate. With the emergence of new technologies the universities have to move fast and keep the pace with the rest of the world.

Teachers need specific professional development opportunities in order to increase their ability to use ICT for formative learning assessments, individualized instruction, accessing online resources and for fostering student interaction and collaboration. Such training in ICT should positively impact teachers' general attitudes towards ICT in the classroom, but it should also provide specific guidance on ICT teaching and learning within each discipline. The teachers should be prepared to meet the challenges of the future. To support teachers as they change their teaching, it is also essential for education managers, supervisors, teacher educators, and decision makers to be trained in ICT use.

Keeping in view the above facts, Govt Degree College for Women, Baramulla has organized a week-long workshop/Faculty Development Program on the use of ICT and LMS in the teaching learning process from 7th to 15th of March 2022 with the following objectives.

Aims and Objectives

The objectives of this one Week Faculty Development Programme are as:

- ICT technologies and their role in teaching and learning
- Orient the teachers towards Open Education Resources
- Explain and Describe the Instructional Design for Online Course
- Highlight some of the tools used to create online course
- Understand the Learning Management System
- Introduce the teachers to Next Gen Education
- Introducing the Members to the key features of the LMS based on OpenedX/MOODLE and its capabilities in administering a course end-to-end.
- LMS-, features, utilization and function in smart teaching learning its utilization.
- Creation of Course using LMS
- Managing the Learners and the Courses in LMS
- Using LMS for track and assessment of performance of audience, conduct of examinations, grading, processing statistics, analytics, and preparing reports.
- Different types of LMS both Free and paid available

Programme at GDC Women Baramulla

The programme started with the presentation of college Tarana at around 11 am on 7th March 2022. Dr. Irshad Ahmad Mir, Head Department of computer Sciences, inaugurated the programme, by highlighting the aims and objectives of the weeklong workshop. He also discussed the structure of the whole programme.



Dr. Irshad Ahmad Mir (HoD BCA)

Prof.(Dr.) Fahmida Bano(Principal of the college) welcomed the Guests, Resource persons, Participants, Faculty members of the College and all teaching and non-teaching staff who were directly and indirectly involved with the programme. She also deliberated upon the need and importance of information and technology in the present scenario.



Prof.(Dr.) Fahmida Bano(Principal of the College)

Later on mementos were presented among the Guests by worthy Principal and other faculty members. During the inaugural session of the programme, college newsletter was also released and a brief description of the college newsletter was presented by Prof. Mir Mohammad Masood, editor of the college newsletter.



Presentation of Mementos to Worthy Guests



Prof. Mir Mohammad Masood(Editor Newsletter)



Release of College Newsletter(AL-NISSA)

Dr. Majid Zaman Baba, Controller Examination, Kashmir University, presented the keynote address of the programme wherein he highlighted the role of ICT in different fields of the life. He also added that Information and Communication technology has changed the way of functioning of the education systems and educational governance with the help of digital data, its storage, retrieval, manipulation analysis and transmission. He also highlighted the role of the teacher in the modern era of ICT by mentioning the various technicalities associated with the modern technologies.

A special talk of Prof. Irshad Ahmad Wani (Former Director North Campus, Kashmir University) about ICT was also presented. He mentioned that Information and Communication Technology has been successful in providing services at low cost to the pupils' doorsteps. Making the higher education available to all classes of pupil throughout the country at lower cost is possible only through the help of ICT. Due to this pupil will have the right to access higher education, skills and knowledge to work for the progress and welfare of the human beings. He stressed upon that ICT has shown wonders in every field and has simply replaced the services of chalk and board in education field.

Presidential Address of the programme was presented by Prof. Mohammad Ismail (Former Principal GDC Boys Baramulla). He congratulated all the stakeholders of the workshop who have structured this faculty development programme for the budding teachers. With his quotation, "Never stop working because life never stops teaching", the weeklong programme was kick started for further proceedings.



Dr. Irshad Ahmad Wani(Guest of Honor)



Prof. Mohd Ismail (Chief Guest)

The inaugural session was ended with the vote of thanks presented by Dr. Mohammad Yousuf Wani (Head Department of Urdu). The Moderator for the session was Dr. Gazala Yousuf (HoD Zoology) and the whole session was reported by Dr. Irfana Showqi (HoD EVS).



Dr. Gazala Yousuf (Moderator)



Dr. Mohd Yousuf Wani (Vote of thanks)

The first day of the One Week Faculty Development Programme (FDP) on “Role of ICT in Teaching Learning: Special Emphasis on MOOCS”, commenced with the proceedings by moderator Dr. Urfain Habib (HoD Psychology, GDC Women Baramulla). Beginning with the session, Dr. Urfain welcomed the worthy Principal of the college and participants and introduced the esteemed guest speaker to the audience. The speaker of the day was Dr. Faheem Masoodi, Assistant Professor Department of Computer Science, University of Kashmir).

Dr. Faheem Masoodi extensively deliberated on the topic, role of ICT in teaching learning process with special emphasis on MOOCs. He mentioned that generally *MOOC is a platform that provides online courses to a large number of individuals through web based resources such as video lectures, assignments, weekly quizzes, interactive forums etc.* ICT helps teachers to interact with students, helps them in preparation of their teachings, provide feedback and also helps teachers to access different institutions and Universities. It also helps in effective use of ICT software and hardware for teaching – learning process.

MOOCs are built on efficiency of scale, giving access to the teaching of a world class professor to thousands of students at once. That makes the MOOC compelling for short-term courses that are highly focused on a topic or a series of courses that might build towards a deeper understanding in a knowledge area.

He mentioned that there are about 20,000 MOOC course available with about 220million students registered with it. Some 950 Universities are associated with MOOC, carrying out near about 19.4 thousand courses..



Dr. Faheem Masoodi (Resource Person)

He also highlighted that India has its own MOOC programme namely SWAYAM, basically to provide education online to everybody irrespective of any technicalities and criteria. The SWAYAM is run by nine online coordinators like AICTE, CIC, IENOW,

IIMB, NCERT etc. He also added that there are 203 partnering institutions and till date about 7039 courses has been completed through MOOCs. He also added that a student can do his/her 40% credits through MOOCs. He also deliberated the procedure for developing contents for MOOCs.

Technically speaking, MOOCs allow us to keep pace with changes in technology enhanced learning and innovative pedagogies, meeting the strategic aim to design and deliver the best campus-based and online educational experience we can. MOOCs allow participating Professors to rethink about their course. Typically, a professor who has taught the same course for a few years has his lectures, syllabus, and material more or less set in stone. MOOCs encourage teachers to become Tech Savvy, provides analytics that improve learning.

The session remained very interesting wherein lot of queries put forth by online and offline participants were answered by the resource person.



Offline Participants of Workshop/FDP

The moderator for the session was Dr. Urfain Habib (HoD Psychology) and Rapporteur was Dr. Irfana Showqi (HoD EVS)



Dr. Urfain Habib (Moderator)

Dr. Irfana Showqi (Rapporteur)

Lecture 2 Dated 09-03-2022

The programme started with brief introduction on LMS on Google Classroom and MOODLE by Dr Gazala Yousuf (HoD Zoology) who was also Dias in charge for the Day 2. She highlighted the origin and importance of Google Classroom teaching in the current scenario of education. Prof.(Dr) Fahmida Bano (Principal of the College) welcomed the guest speaker of the Day-2, participants and faculty members (from the host college and other participating colleges) and students who were present during the session. In her welcome speech she highlighted that participants will use the skills and tools learnt from this programme and engage in ICT enabled teaching learning in their day-to-day teaching activity and make the process dynamic and student centric. The resource person of the day, Dr Sajid Yousuf Bhat, Assistant Professor, Department of Computer Sciences, University of Kashmir deliberated on LMS with Emphasis on Google Classroom and MOODLE. Dr Sajid in his lecture focused on Google Classroom, its creation with the help of Gmail- Id, enrollment of students via classroom assignments, PPT's, study material, quizzes, assessments and rubrics etc. The day ended with a quiz and an assignment to check the knowledge and understanding acquired by the participants.



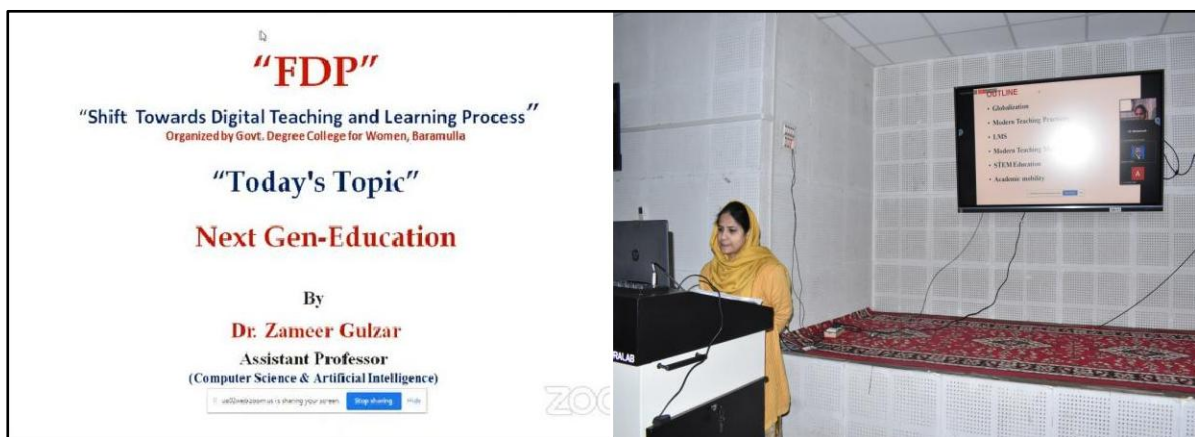
Dr. Gazala Yousuf (Dais Incharge)



Dr. Sajid Yousuf Bhat (Resource Person)

Lecture-3 Dated 10-03-2022

The Third day of the One Week Faculty Development Programme (FDP) on “Next-Gen Education”, commenced with the proceedings by moderator Ms. Nusrat Jabeen, Librarian GDC Women Baramulla. Beginning with the session, Ms. Nusrat welcomed the worthy Principal of the college and participants and introduced the esteemed guest speaker to the audience. The speaker of the day was Dr.Zameer Gulzar, Assistant Professor Department of Computer Science and AI, SRI University Warangal, Telangana.



In a one-and-a-half-hour session, Dr. Gulzar extensively talked about Modern Practices in Teaching and Learning, LMS, Modern Teaching Methods, STEM Education, and Academic mobility. Speaking about the same, he mentioned the benefits of globalization and its utility in today's world focusing on the fact that how it

enhances student's ability to acquire and utilize knowledge. He pressed upon the view that due to globalization, students are more interested in learning and following modern blended culture of learning, shifting to new methods such as e-learning and alternative learning systems such as homeschooling, distance education etc. Talking about Modern Teaching Methods, he discussed the various challenges being faced by teachers as well as students and the opportunities to engage students with interactive learning experiences. He asserted on the changing ideas about education and pedagogy that has added new learning objectives like social-emotional learning and personalized learning. Differentiating Traditional and Modern Education, he stated the former is teacher-centered, subject specific- one way knowledge, passive, limited, and theoretical while the latter as learner-centered, skill based, multi-way transfer of knowledge, interactive, engaging, and practical.

The image shows a Zoom meeting interface. On the left, a slide titled "SKILLS FOR MODERN TEACHERS" features a cartoon character with glasses and a tie, surrounded by ten skill categories in numbered red and blue boxes: #1 Commitment, #2 Preparation, #3 Organization, #4 Tolerance, #5 Story Telling, #6 Open for Questions, #7 Innovative, #8 Technology Enthusiast, #9 Social, and #10 Geek. On the right, a text box lists two learning methods: "Inquiry-based learning" and "Personalized learning", each with a bulleted list of characteristics. The Zoom logo is visible at the bottom of the screen.

SKILLS FOR MODERN TEACHERS

- #1 Commitment
- #2 Preparation
- #3 Organization
- #4 Tolerance
- #5 Story Telling
- #6 Open for Questions
- #7 Innovative
- #8 Technology Enthusiast
- #9 Social
- #10 Geek

Inquiry-based learning

- Prioritizes student curiosity and independent analysis.
- Students work to find the answer to an open-ended question or problem, using evidence-based reasoning and problem-solving skills to reach a defensible conclusion.
- As a teacher, role is to move students beyond mere curiosity and into critical thinking and understanding.

Personalized learning

- Personalized learning tailors learning around individual students' needs, interests and abilities.
- It helps you differentiate instruction for each student and help them achieve mastery.

In the latter part of the session, the speaker talked about Learning Management System (LMS) and its benefits. He asserted the use of LMS to design one's own course, providing online materials, e-book etc. for sharing knowledge. Further, Dr. Gulzar also deliberated on modern education in terms of STEM being implemented and the targets being achieved in G20 countries. He insisted the use of STEM as a curriculum which is based on the scheme of enlightening the students in four specific disciplines or domains Science, Technology, Engineering, and Mathematics which offers the greatest potential for job growth, STEM-related careers which is best paid in 21st century. In conclusion, he stated the factors that facilitate STEM education practices wherein MOOCs has the potential in improving learning experiences and facilitating interdisciplinary education in STEM fields. Also, it facilitates to bring non-western perspective of science teachers in the context of STEM education and to understand the current perceptions that teachers hold towards STEM education and its core interdisciplinary nature.



The session was followed by discussion with the participants and concluded with vote of thanks by Ms. Nusrat Jabeen. The rapporteur of the session was Prof. Archo Fatima Nissa (English).

Lecture 4-(Technical Session-1) Dated 11-03-2022

The Lecture 4 of the One Week Faculty Development Programme (FDP) on the theme “LMS(MOODLE/CANVAS/SAKAI,BLACKBOARD)”, commenced with the proceedings by moderator Dr. Gazala Yousuf (HoD Zoology GDC Women Baramulla). Beginning with the session, Dr. Gazala Yousuf welcomed the Worthy Principal of the college and participants and introduced the esteemed guest speaker to the audience. The speaker of the day was Dr. Kaiser Javiid Giri, Assistant Professor Department of Computer Science IUST).

The session started at about 11:15 a.m. Dr Javid initially gave an overview of the contents of the lecture to be delivered .He gave importance of the LMS in running an institution he gave a brief idea about the basic concept of this learning management system which has been implemented in major institutes of the valley. The focused on the importance, need and requirement of this LMS in daily life.

Dr. Javid through his technical session gave a live performance and working on the different platforms used in learning management system. He gave a brief output of all the canvas and by live demonstration he used all the components. Next he focused on the Moodle and blackboard platforms and also again with the live demonstration he gave an exhaustive lecture. The lecture ended with the vote of thanks by Prof. Jasdeep Singh (Asst Prof. Department of zoology).



Organizing committee members

Lecture 5-(Technical Session-11) Dated 12-03-2022

The session started with a brief introduction of FDP by Dr Gazala Yousuf (HoD Zoology). Dr Gazala apprised the audience that this FDP was organized against this backdrop to provide a much-needed opportunity to the faculty to familiarize and equip themselves with various technological tools and platforms for efficient conduct of virtual learning, explore the usage of online courses for learning, teaching and professional development and also build their capacity to plan, design and implement online courses that are in tune with international standards. Prof.(Dr.) Fahmeeda Bano welcomed the Resource person and participants. In her welcome speech, she highlighted the importance of Smart Technology for students and faculties. She also laid emphasis on the point that emergence of this time has really called upon everyone to embrace this changing landscape of technology in educational area and in every relevant field. The Resource Person, Dr Zubair Masoodi (Assistant Professor, Computer Sciences, and Higher Education) deliberated on MOODLE/CANVAS/SAKAI/BLACKBOARD etc. Dr. Masoodi in his lecture provided instruction on these ICT tools like MOODLE/CANVAS//SAKAI/BLACKBOARD etc. Each tool was very well explained and demonstrated in detail. He also discussed the various advantages of these tools over

other forms available, for instance, the advantages of MOODLE and BLACKBOARD over Google Classroom were highlighted as MOODLE, is a full fledged Learning Management System that can deliver custom learning experiences as well as efficiently track them. He said that MOODLE is preferred by many teachers and professionals as it is open -source, has many collaborative tools such as Chat, Forum, and Discussions, facilitates efficient course and user management to and allows for easy integration with third party applications as well as custom plugins. He further discussed the advantages of BLACKBOARD and CANVAS as two Learning Management Systems (LMS) that target the K-12 and higher education market. The session concluded with brainstorming quiz and application based assignment as well as a feedback form.

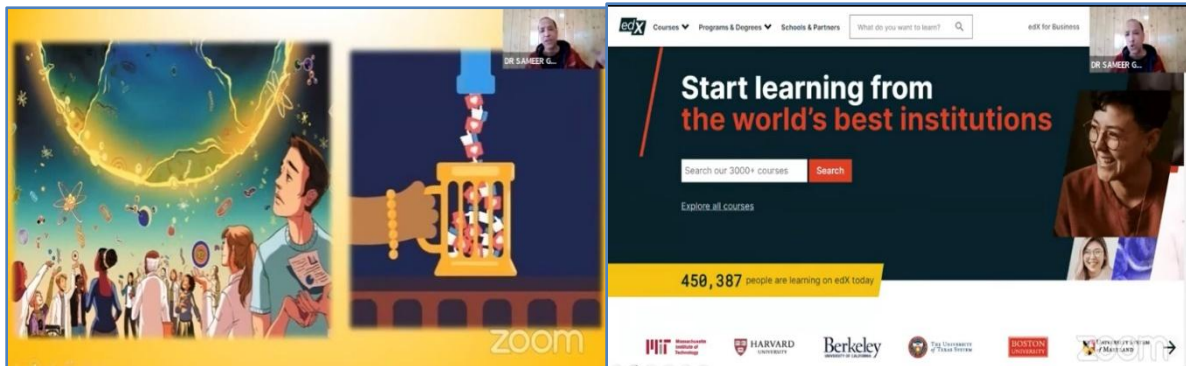


Dr.Zubair Masoodi (Resource Person)

Lecture-6 Dated 14-03-2022

Lecture 6 of the week-long Faculty Development Programme was held on 14-03-2022. The event was initiated with a welcome note by the moderator of the day Ms. Nusrat Jabeen, Librarian GDC Women Baramulla. She also presented a brief introduction of the guest speaker to acquaint the participants to the speaker of the day; Dr. Sameer Gul, Associate Professor, Department of Library Science, University of Kashmir. Dr. Gul connected with the audience through online mode. The topic of lecture 6 was titled “Open Educational Resources”. In his lecture, Dr. Gul threw light on the use of Open Educational Resources like Google Scholar, Citation Sources, Scopus, ORCID,

and Academia and their use in modern teaching learning methods especially in the context of research to generate new knowledge.



In an interactive session, Dr. Sameer Gul beginning his talk first defined Open Educational Resources (OER) as teaching, learning, and research materials in any medium- digital or otherwise that are in the public domain. They are published under open licenses that specify how materials can be used, reused, adapted, shared and modified according to specific needs. They can include textbooks, lecture notes, syllabi, assignments, and tests. He articulated the nature of OER that produces innovative thoughts encompassing all types of digital media and gives a wide variety of materials which is open for all. Discussing about the first OER, he talked about repository of journals, database and citation source Scopus Preview. Scopus being the largest abstract and citation database of peer-reviewed literature includes scientific journals, books, and conference proceedings. He asserted that Scopus database provides access to STM journal articles and the references included in those articles allowing the researcher to search both forward and backward in time. Defining its features, Scopus includes both citing and cited documents, open access titles included in the index, Basic and Advanced search techniques, and citation impact etc. that are useful to absorb information and gain knowledge. Talking about another OER database he articulated the use of ORCID being useful to access research materials. Open Researcher and Contributor Identifier provide researchers with a unique digital identifier that can be used by publishers and an institution to reliably identify the individuals in the same was that ISBNs and DOIs identify books and articles. He asserted his view that ORCID is useful specially to identify the works of women researchers whose names tend to change after

marriage. He also highlighted the advantage of Google Scholar that provides a simple way to search for scholarly literature across variety of disciplines and sources.

Ms Nusrat Jabeen (anchor) *Dr. Sameer Gul (Resource person)*

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Another service that is used by researchers is SCIMAGO which is used for checking journal rankings. Using this service researchers are able to make comparison of rankings among open access journals, subscription journals, book series, conference proceedings and trade journals. This particular service help to find the journals that the researcher is interested in and the best selection of research articles. Apart from OER, he also acquainted the participants with Open Courseware which helps teachers to know more about their interested subjects. These are not time bound and use at any particular time. Dr. Gul mentioned MITOPENCOURSEWARE (Massachusetts Institute of Technology) as the best open courseware having the domains of social sciences,

technological sciences, plant sciences and so on. edX , UDACITY, Coursera and Peer to Peer University are other OER that provides various courses, degrees and programs to explore more in a particular subject. In conclusion the guest speaker warned the participants falling prey to predatory journals alluring research scholars for fast publications. Pseudo-science publishing units trap budding researchers and magnetize them with their false claims having global impact factor. He mentioned that Journal Citation Report (JCR) is an annual publication by Clivate analytics which is an authoritative resource for impact factor data which could be utilized by researchers to identify predatory journals. He advised young researchers to refrain from such predatory journals and recommended the use of a free service called Master Journals List in order to crosscheck the impact factor of distinguished journals. He demonstrated the technicalities associated with Master Journal List which are helpful in identification of predatory journals. The guest speaker explained the use of OER through visual and practical demonstration for a better comprehension of the participants. The session was followed by query and discussion with the participants and concluded with formal vote of thanks by Ms. Nusrat Jabeen.

Lecture 07 Dated 15-03-2022

The last day of Faculty Development Programme- technical session-III, titled “Advance LMS (MOODLE/CANVAS/SAKAI/BLACKBOARD etc.) was scheduled on 15-03-2022. The vent commenced with the proceedings by the moderator of the day Dr. Urfain Habib (HOD Psychology). The guest speaker of the day was Dr. Muheet Bhat, Scientist-E, Department of Computer Science, University of Kashmir. Beginning with the session, Dr. Urfain welcomed the guest speaker and the participants connected via online and offline modes.

Beginning with his lecture Dr. Bhat defined Learning Management System as a platform of digital learning. The system allows its users to store and create online courses, provide learners access to the content and help to evaluate results. He talked about MOODLE as an open source software which educational institutions and as well institutions around the world use for providing online training to the learners. The guest speaker asserted the use of MOODLE in blended learning, distance education, flipped

classrooms and other e-learning projects in schools, universities, workplaces, and other sectors as well. He also talked about CANVAS as the fastest growing LMS used worldwide which is a modern, open source LMS developed and maintained by Infrastructure Inc. It is used by learning institutions, educators, and students to access and manage online course learning materials and communicate about skill development and learning achievement. Canvas includes a variety of customizable course creation and management tools, course and user analytics and statistics, and internal communication tools. Another LMS which the guest speaker suggested to use by the participants is SAKAI. He mentioned this LMS as one of the best LMS for learning. This particular system is created by and for educators to experience the best of learning methods that could be used to disseminate knowledge to students. It is a free community source, educational software platform to support teaching, research, and collaboration. Dr. Bhat demonstrated the procedure of opening SAKAI account and different courses that it offers to students and teachers. By the end of the session, he talked about the use BLACKBOARD as the most reliable, innovative, and transformative medium of learning. This system is a modern, fully advanced LMS that provides a powerful learning experience to students and teachers. He urged the participants to use these innovative methods to experience modern advanced learning that are convenient at any point of time in this digital era.

The session was followed by discussion with the participants and concluded with vote of thanks by Dr. Urfain Habib. The rapporteur of the session was Prof. Archo Fatima Nissa (English).

Report of Valedictory Session

Valedictory session of this weeklong FDP was observed on 15th of March 2022 at 12.30 O'clock. Programme started with the presentation of mementoes to the guest of the day.



Presentation of memento to Mr. Jahangir Ahmad Akhoon (DIO Baramulla)

Presidential Address was given by the Principal of the College, Prof. (Dr.) Fahmida Bano. Remarks for the weeklong FDP were given by Dr. Rehana Abdullah (HOD English, GDC Handwara), Prof. Zahid Fayaz, HoD History, GDC for women Baramulla and Dr. Kounsar Muzamil (HoD Amarsingh college). They all expressed very overwhelming remarks related to FDP. They mentioned that it was a new sense of learning where people from all over the country coordinated through online and offline mode and this is the essence of the technology which keeps no boundaries between the teacher and the learners. They wished such programmes again in future as well. Special talk on the occasion was deliberated by Mr. Jahangeer Akhoon (KAS, District Information Officer Baramulla). He highlighted the role of ICT in education where we find that today's generation is born digital and there is no place to stand without ICT. Such Programmes has huge relevance, immenswe importance and thus is the need of the hour. He also mentioned that a non ICT person in the today's world is a big challenge. He lastly congratulated all the stakeholders of this FDP who have turned no stone unturned in making this programme a success. Another Speaker Dr. Tariq Ahmad Chalkoo (HoD Physics GDC Uri). He deliberated on perspective of E-learning in Higher Education Institution of J and K. Dr. Tariq Ahmad Chalkoo gave an exhaustive deliberation how the system has changed since the advancement of technology and

there is need to absorb technology in every office.



Mr. Jahengeer Ah. Akhoo (DIO Baramulla)



Prof. Tariq Ah, Chalkoo (GDC Uri)

He ended his talk with the quote that, "No dream is too big and no step is too small".
Presidential Address was given by the Principal of the College, Prof. (Dr.) Fahmida Bano. She mentioned that she programmes are needed for the faculties to update themselves and thus these programmes are the need of the hour.



Principal addressing valedictory session

The valedictory session was moderated by Dr. Urfain Habib (HoD, Psychology) and formally the programme was concluded with the vote of thanks by Prof. Maryam Noor (HoD Arabic). The Rapporteur for the session was Dr. Irfana Showqi (HoD Environmental Science).



Offline participants of FDP

Report Complied by Dr. Irfana Showqi, HOD EVS

Submitted for final Approval

**Coordinator
FDP**

**Principal
Prof.(Dr.)Fahmida Bano**