



Guru Nanak College of Education

under DSGMC, affiliated to GGSIPU, recognised by NCTE

FACULTY DEVELOPMENT PROGRAMME

ICT in Education

[17.01.2019 to 23.01.2019]



GLIMPSES

Patrons: S. Manjit Singh G. K., President, DSGMC; S. Manjinder Singh Sirsa, General Secretary, DSGMC

Conveners: Dr. Harmeet Singh, Director and Dr. Jyoti Bhalla, Principal

Coordinator: Ms. Shilpa Bajaj, Assistant Professor

Co-Coordinator: Ms. Ankita Masih, Assistant Professor

OVERVIEW

A week long 'Faculty Development Programme' (FDP) was organised by Guru Nanak College of Education, which commenced from 17th January, and ended on 23rd January, 2019 at the Bala Pritam Auditorium in the College. The main theme was "ICT in Education" with related sub-themes. The programme was intended to acquaint participants with the latest development in ICT in Education and to acquaint them with the skills of integrating ICT in pedagogy. The objectives were to motivate the participants to integrate ICT by using various digital devices, Open Educational Resources, ICT tools, Learning Management System (LMS) by introducing Moodle, Edmodo and Google Classroom. The participants were given hands on practice for various aspects of ICT. The Resource Persons included experts of the field and eminent academicians. The participants included enthusiastic teacher educators, research scholars, teachers and pupil teachers.

First Day

Inauguration

The program was inaugurated by *Shabad* recitation to seek blessings of Almighty followed by lamp lighting by Honourable Guests. After a warm welcome of guests and participants, the college report was presented. The College felicitated the Chief Guest of FDP, **Prof. M.C Sharma** and Guests of Honour, **Prof. Sangeeta Chauhan** and **Prof. Neerja Shukla**. Afterwards the College Journal 'GNCE Journal of Transforming Teacher Education (ISSN 2456-7922) Vol 3/ No.1/ 2018 with was released.

Prof. M.C Sharma, *Director, Teacher Education Project, UNICEF*, praised the college for organising the FDP and publishing the college journal. All the participants were motivated by him to participate with enthusiasm in a week long programme.

Prof. Sangeeta Chauhan, *Dean, University School of Education, Guru Gobind Singh Indraprastha University*, greeted participants and appreciated the efforts of college for its hard work; she also appreciated the choice of topic and wished the college '*May you all rise and shine*' and '*May Wabe Guru Ji bless you all*'.

Prof. Neerja Shukla, *Former Head, Department of Education of Groups with Special Needs, NCERT, Former Consultant cum Faculty Advisor, Guru Gobind Singh Indraprastha University*, greeted the participants sharing a valuable experience of her life on choosing teaching over other career options while in her school. She suggested that '*we should not over emphasise ICT and lose sight of content in education as content should always be our first priority and ICT should assist us in achieving the educational goals.*'

Technical Session 1

During first technical session, **Prof. M.C Sharma** shared his views on the theme '**ICT for Quality Teaching-Learning Process**' by emphasizing on ICT as the need of era. He recommended that participants should think about the utility of ICT in their regular lesson planning and teaching learning process. Quality education and its challenges were the major concerns discussed by him. While explaining the evolution of ICT, he stressed on three phases of ICT which are teaching aids including Black board, chart, models etc, information technology (IT) and Information Communication Technology (ICT). He explained the Teaching-Learning process in three steps: Input, Process and Output and familiarized participants with the role of ICT for quality teaching-learning in transacting the curriculum. The criteria for selection and use of ICT were discussed. The information regarding MIS i.e. Management Information System was also provided.

Technical Session 2

Ms. Ankita Khanna, *Assistant Professor, Guru Nanak College of Education* conducted a session on the topic '**Cybercrimes**'. She elaborated that 'cybercrimes exist wherever technology exists'. She discussed the various forms and implications of cybercrimes. She also explained software piracy and related laws.

Second Day

Dr. Aerum Khan, *Senior Consultant, Education Survey Division, NCERT*, enlightened the participants on the theme **‘Integration of ICT in Education’**. By quoting, *“ICT is a weapon to assist us in teaching-learning process and not to make us its slave”*, she illustrated that teachers must use ICT as a teaching aid and not as teaching replacement. She made participants acquainted with browsers and various search engines available on internet. She gave hands-on experience on how to explore repository, e-library, YouTube and NROER. She taught participants how to create own OER and upload it on various platforms. She discussed about Creative Commons- its types, uses and applicability. She also discussed about various online courses offered by NCERT: MOOCs, e-pathshala, e-PGpathshala, SWAYAM, ARPIT in detail.

Third Day

Technical Session 1

The Resource Person **Dr. Shalini Yadava**, *Assistant Professor, University School of Education, Guru Gobind Singh Indraprastha University*, presented her valuable views on the theme- **‘Blended Learning’**. She expressed that ‘online teaching can never be a substitute of face to face classroom’. She discussed about *Transcending Pedagogies* and where to use conventional methods of teaching and where to blend. She explained about six models of integration – *Face to face, Flex, Rotation, Self-Blend, Online driven and Online Lab*. The key points to be kept in mind while using blended learning approach and difference between ‘classroom and online learning’ were also elaborated by her.

Technical Session 2

The Resource Person, **Prof. Dhananjay Joshi**, *University School of Education, Guru Gobind Singh Indraprastha University*, shared his views on the topic **‘ICT in Education’**.

‘ज्ञानं धनं सर्वधनं परमं’

(Knowledge is supreme of all wealth)

‘तुलसीदासः’

(Be a light unto yourself)

‘मनो वाचो कर्म च’

(Mind, Speech and Actions should coincide)

In his presentation he emphasized the importance of teachers in society. He inspired the participants to become reflective teachers. He suggested that in the era of globalization, technology must be used in classroom but it cannot replace the teacher from class. He presented a comprehensive picture of India that how enriched and glorified cultural past we Indians have with the help of *shlokas* and compared the importance of education from ancient time to the present modern era. Through his presentation he emphasized on *‘Education that Liberates’* and stressed on how today’s education system is failing in value development. He discussed about various ICT devices and online learning platforms like MOOCs, NROER. He also appreciated the *‘Happiness Curriculum’* launched by Delhi government at every level of school education and emphasized on how it helps to inculcate positive attitude in life and positive perspective towards real life situations. Various components of ICT like- gathering, storing and retrieving, processing, analysing and transmitting information were also explained in detail by him.

Fourth Day

Prof. K. Srinivas, *Head, ICT and Project Management Unit, NIEPA*, presented views on **‘Digital Initiatives of Government of India for Higher Education’**. He briefed the participants about the objectives of the session like learning outcomes and the value addition action plan. He explained 21st century skills as conviction, courage, self-confidence, mutual trust and positive attitude. He gave hands-on practice on the various tools for teachers like Presentationtube, Screencastify, DU Recorder, Google Drive, Slide N Tell and Video Notes and made the participants install and use these softwares on their own laptops during the practical session. The hands-on experience to the participants for using Google Drive intended for sharing

and updating the files was also promoted by him. According to him, teachers need to be sensitized, oriented, trained, motivated, supported and given freedom for implementing their ideas on/off the class. Various digital initiatives for higher education including SWAYAM, SWAYAM Prabha, National Digital Library, and National Academic Depository were also discussed by him.

Fifth Day

Prof. Ahrar Husain, *Department of Teacher Training and Non-Formal Education, Jamia Millia Islamia*, presented several inspiring videos on 'How individual differences in educational system exist and how we should cater them'. He used a software to show working of a virtual classroom in a video, and he also presented a video on simulated environment. He emphasised upon ICT as a tool to cater to individual differences and needs. He discussed variety of Webtools, applications of ICT in Research, Digital Resources, Future Computers, Virtual Education, Digischools and Immersive Technology. He made participants aware about various software and websites which are helpful in creating an original content. While redefining the role of a teacher, he suggested the judicious use of technology in teaching and learning.

He also presented a glimpse of the journey of Jamia Millia Islamia since its inception till date, to make all the participants aware about the central university.

Sixth Day

Prof. Harjeet Kaur Bhatia, *Department of Educational Studies, Jamia Millia Islamia*, conducted a session on the theme '**Open Educational Resource**'. Explaining the meaning and usefulness of *ICT*, she emphasised upon OER as a movement which *connects, collaborates and innovates* to provide high quality education. She enabled participants to use open resources and made them aware about various licences under Creative Commons. The videos on Khan Academy and NROER were also illustrated by her.

Ms. Ankita Masih, *Assistant Professor, Guru Nanak College of Education*, conducted a session on the theme '**Intellectual Property Rights**'. She explained the concept of *Intellectual Property* and discussed about various legal terminologies such as Copyright, E-Commerce, Geographical Indications, Patents, Trademarks and Trade secrets with the help of various examples. She also addressed issues of infringement, misappropriation and enforcement.

Ms. Monika Bhardwaj, *Assistant Professor, Guru Nanak College of Education*, conducted a session on the theme '**ICT and Nai Talim**'. In her interactive session, she established the interrelation of the philosophy of 'Buniyadi Shiksha' with integration of ICT in education on various parameters such as classroom interaction, skill development, senses involved, language and so on. She described how to integrate ICT and Nai Talim across the curriculum.

Valedictory

The College expressed its deepest gratitude towards Dr. Jaspal Singh *Former Vice Chancellor, Patiala University, Member National Commissions for Minority Educational Institutions* for sharing his motivational thoughts with all the participants, and towards Prof. Harjeet Kaur Bhatia, for obliging the college by being the Resource Person for such an interactive and knowledgeable session which impressed upon all participants to truly understand the value of OER. The College also expressed its profound gratitude to all the participants and faculty who were part of this one week long FDP program. All the sessions during this FDP were highly informative and participants got new insights to integrate ICT in education.

It is not an exaggeration to say that from weakness to strength, from grass to grace, from nothing to something, the knowledge that has been imparted to us in this programme will remain a great asset throughout our career....!!!

Thanks to all the Guests, Resource Persons and Participants for making this programme a successful event.



GURU NANAK COLLEGE OF EDUCATION

Faculty Development Programme

ICT in Education

(17/01/2019-23/01/2019)

PROGRAMME SCHEDULE (Revised)

DATE	DAY TIME	EVENTS	RESOURCE PERSONS/ EXPERTS
Day 1 17/1/2019 Thursday	9:30-10:00	Registration	
	10:00-10:30	Inauguration	
		Chief Guest	Prof. M.C Sharma Director, Teacher Education Project, UNICEF
		Guests of Honour	Prof. Sangeeta Chauhan Dean, University School of Education, GGSIPU Prof. Neerja Shukla Former Head, Department of Education of Groups with Special Needs, NCERT Former Consultant cum Faculty Advisor, GGSIPU
	11:00-1:30	Technical Session	Prof. M.C Sharma Director, Teacher Education Project, UNICEF
	1:30-2:30	Lunch	
2:30-3:30	Discussion		
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Day 2 18/1/2019 Friday	10:30-1:30	Technical Session	Dr. Aerum Khan Senior Consultant, Education Survey Division, NCERT
	1:30-2:30	Lunch	
	2:30-3:30	Post Session Activity	
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Day 3 19/1/2019 Saturday	10:30-12:00	Technical Session I	Dr. Shalini Yadava University School of Education, GGSIPU
	12:00-1:30	Technical Session II	Prof. Dhananjay Joshi University School of Education, GGSIPU
	1:30-2:30	Lunch	
	2:30-3:30	Discussion	
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Day 4 21/1/2019 Monday	10:30-1:30	Technical Session Participants are required to carry their Laptops for this session	Prof. K. Srinivas Head, ICT and Project Management Unit, NIEPA
	1:30-2:30	Lunch	
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Day 5 22/1/2019 Tuesday	10:30-1:30	Technical Session	Prof. Ahrar Husain Department of Teacher Training and Non-Formal Education Jamia Millia Islamia
	1:30-2:30	Lunch	
	2:30-3:30	Discussion	
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Day 6 23/1/2019 Wed	10:30-1:30	Technical Session	Prof. Harjeet Kaur Bhatia Department of Educational Studies, Jamia Millia Islamia
	1:30-2:30	Lunch	
	2:30-3:30	Valedictory	
	3:30-4:00	High Tea	

Internal Quality Assurance Cell (IQAC)
Guru Nanak College of Education
under aegis of DSGMC, affiliated to GGSIPU recognised by NCTE



organises
One week
Faculty Development Programme

17-23 Jan 2019

on

ICT in Education

at

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GURU NANAK COLLEGE OF EDUCATION
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ABOUT GNCE

Guru Nanak College of Education (GNCE), Sikh Minority College established in 2003, under the aegis of Delhi Sikh Gurdwara Management Committee, recognised by National Council of Teacher Education (NCTE) and affiliated to Guru Gobind Singh Indraprastha University. It offers two Years B.Ed. Programme with an objective to provide pre-service teacher education facility of high quality and help in the overall improvement of school education. Since its inception it is working on the mission to empower the prospective teachers, to optimally realize their potentials and rendering them as competent teachers to serve the mankind. It has an excellent infrastructure to support curricular and co-curricular activities of its students. It provides a Comprehensive Learning Environment through symposia, seminars, educational visits, workshops etc. to build multidimensional personality of its pupil teachers and to broaden their vision for their future prospects to eventually contribute towards enrichment of culture. GNCE continuously strives with qualified and experienced faculty to bring global perspectives in all its programs and activities.

ABOUT FDP

21st century is the age of Information Technology. In the era of globalization, a lot of information is emerging and flowing throughout the world. Information and technology is being used in the

field of education to make teaching-learning process easy and appealing for both student and teacher. Information and Communication Technology (ICT) based education is the mode of education that uses information and communication technology to support, enhance, and optimise the delivery of information.

With the emerging new technologies, the teaching profession is evolving from an emphasis on teacher-centered, lecture-based instruction to student-centered and interactive learning environments. Knowledge of ICT and skills to use ICT in teaching/learning has gained enormous importance for today's teachers. Teachers are expected to successfully integrate ICT into their subject areas to make learning more meaningful. This knowledge development during teacher education programs has gained much importance with the notion that exposure to ICT during this time is helpful in increasing student teachers' willingness to integrate technology with classroom teaching. In this light, a Faculty Development Programme is organized by Guru Nanak College of Education with focus on ICT integration as a core component in teacher education, teachers' attitudes toward integration of ICT and their self-efficacy.

OBJECTIVES

- ▶ To provide a platform for collaborative discussion on the latest development in ICT in education
- ▶ To develop skills of integrating ICT in pedagogy
- ▶ To make efficient use of online resources

- ▶ To explore wearable technologies and their use in teaching-learning
- ▶ To develop competency for digital research and lesson planning for ICT integrated classroom
- ▶ To be aware of copyright, plagiarism and citation procedures
- ▶ To make use of Moodle, Edmodo and Google Classroom and Learning Management System

LEARNING OUTCOMES

The Participants will be able to

- ▶ Integrate ICT in pedagogy
- ▶ Implement right ICT tools for different classroom situations
- ▶ Use various open educational resources and other online resources like Moodle, Edmodo and Google Classroom
- ▶ Awareness of issues related to copyright and plagiarism

PARTICIPANTS

- ▶ PhD scholars, Researchers and MPhil students who are working on theses, and wish to develop skills of using Flipped Learning Pedagogy.
- ▶ Professionals and Faculty Members from Higher Education from all the fields like Technical/Professional/Teacher/Teacher Education

MAIN-THEME

'ICT in Education'

SUB-THEMES FOR THE FDP

- ▶ Latest development in ICT in education
- ▶ Internet as a space for continuous learning
- ▶ ICT and effective classroom pedagogy
- ▶ Capacity building of teachers and students for effective utilization of ICT
- ▶ Blended learning and flipped classroom models
- ▶ Digital form of teaching learning material
- ▶ Digital storytelling and storyboarding
- ▶ Moodle, Edmodo and Google Classroom, Learning Management System
- ▶ Integration of wearable technology in education
- ▶ Inclusive education through ICT
- ▶ Access to digital technology in and outside educational institutions
- ▶ Role of various internet portals and social networking websites in education
- ▶ ICT in research and development
- ▶ Cybercrimes: Plagiarism and software piracy

REGISTRATION

- ▶ Registration is through Google Registration Form by following the Link <https://goo.gl/forms/qfHRECWdsOclyAsG3> or in person on the day of FDP.
- ▶ A nominal fee of Rupees 1000/- for faculty and Research Scholars will be charged per participant.
- ▶ The registration fee can be accepted in cash/cheque in favour of "Guru Nanak College of Education".
- ▶ On the successful completion of the program, all participants shall receive certificates and report of FDP.

FDP ORGANISING COMMITTEE

PATRONS

S. Manjit Singh G K, President, DSGMC

S. Manjinder Singh Sirsa, General Secretary, DSGMC

CHAIRPERSONS

S. Pritpal Singh Bhatia, Chairman, GNCE

S. Paramjit Singh Chimni, Treasurer, GNCE

CONVENORS

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