

NATIONAL CONFERENCE

on

Role of ICTs in Technical and Professional Higher Education

Jointly Organised by



JAGANNATH UNIVERSITY, JAIPUR, RAJASTHAN

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JAGANNATH UNIVERSITY, BAHADURGARH, HARYANA

AT

BAHADURGARH CAMPUS, HARYANA

30th November, 2018

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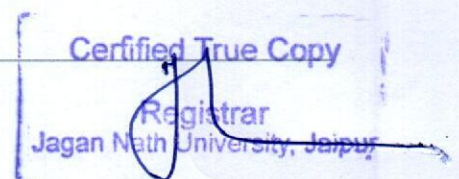


Jagannath University, Jaipur has been established to cater to the growing needs of higher education in the country. One of the primary objectives of the University is to produce trained manpower to accelerate sustained economic growth in a highly competitive global environment. The aim is to impart quality education through latest curriculum, improved teaching methodology, recruitment of best talent as faculty, development of excellent infrastructure, industry interaction, having a research base in all areas of studies by harnessing Faculty of Management, Engineering & Technology, Law, Commerce, and many more.

The University is in proximity to the airport and industrial area on Tonk Road on a vast campus spread over 50 acres of land with all modern educational facilities in its ambience with dedicated transport system between the Jaipur City and the Campus. The fully Wi-fi enabled University campus has well planned modern infrastructure and residential complex for faculty and staff.



Jagan Nath University, Bahadurgarh, Haryana, came into existence as a Private University in May 2013, incorporated under Haryana State Legislature Act No. 8 of 2013, approved under Section 22 of the UGC Act 1956 and is member of Association of Indian Universities (AIU). The University has its own 26 acres campus located at State Highway 22, Bahadurgarh-Jhajjar Road, Haryana, NCR. It is a multi-faculty University offering UG and PG programs in the areas of Engineering and Technology, Architecture, Management, Commerce, Law, Journalism and Mass Communication, Physiotherapy, Yoga and Naturopathy, Agriculture Science, Teacher Education and Vocational Studies.



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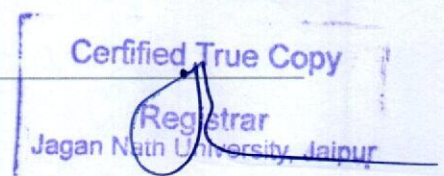
THE CONFERENCE

Information and Communication Technologies (ICTs) have greatly impacted the disciplines of Agriculture, Communication, Industrial Production, Architecture, Education, Health, Navigation and Resource Management sectors world over during the recent times. With the advent of ICTs there has been a steady progress in reshaping the education system. The teachers-student centric education has now been supplemented adequately with technology-student centric self-learning system.

The agri-sector emerging preferences include use of remote sensing, drone agriculture, precision farming, and climate resilient small agriculture. Besides these e-hatts and role of ICTs in retail marketing shall further change the marketing trends of agricultural commodities. Automation in industrial production has revolutionized the production system as well as quality of produce. Role of ICTs have minimized the component of human error in production. Android, Artificial intelligent (AI), Fuzzy Logic Networks, Neural Networks, DNA Computing have immensely contributed to the engineering education and practices particularly in the area of communication social networks, handling large data for critical analysis, weather forecasting and natural resources depository. ICTs have specially boosted mass communication over space and time, and journalism through improvements in electronic and print media.

Retrieval system in law has helped how legal education through comparative analysis of law could nationally and internationally open the new avenues for law makers. Digital library of law reporters has added value to the classroom teaching. The education system now a days is getting digital oriented as education through animation, cartoons, films, documentaries, etc. have become more understandable and effective. Creation of smart classrooms with interactive boards is the recent addition to reset education methodology country-wide.

Depiction of anatomy of human body for organs, muscles, tissue, cellular and nervous system through computerization based, audio visual systems have made education in physiotherapy simple, quick, effective and easy for better understanding. Though much has been done in the area of application of ICTs in technical and professional education, yet there remains much to be done through technology generation, refinements, optimization and its use as to develop the latest devices for all stakeholders. Keeping this in view One Day National Conference on Role of ICTs in Technical and Professional Education was organized by Jagannath University, Jaipur in collaboration with Jagannath University, Bahadurgarhon November 30th, 2018. We are glad to welcome the



participation of NSDC which is focusing on skill development, entrepreneurship, and start-ups.

MISSION OF CONFERENCE

The Conference attracted the participation of ICTs Experts, Agriculturists, Environmentalists, Educationists, Health Science Experts, Law Experts, Media Experts and Research Scholars as well as Students. The conference included lead presentations, oral and poster presentations on topics related themes of the conference.

THE CONFERENCE THEMES

- Current Status of ICTs Application in Higher Education.
- Computers Application in Agriculture and Weather Forecasting.
- Computers Application in Industrial Production and Automation.
- ICTs in Creating Communication Network, Social Network, Research Network and Education Hubs.
- Role of ICTs in Digitization of Library, Research Portals, in various streams of Science & Technology, Humanities, Commerce and Law.
- Computers Application in Health Sciences and Health Care Systems.
- ICTs in Print and Electronic Media for Mass Communication.
- ICTs for Value Added Education System.



THEME 1

CURRENT STATUS OF ICTs APPLICATION IN HIGHER EDUCATION



Current Status of ICT's Application in Higher Education

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ABSTRACT

Information and communication technologies (ICT) have become a crucial part of everyone's life in all aspects. From the last two decades ICT usage has changed the practices and procedures of nearly all forms of endeavor within governance and business. In education field, ICT's doesn't do so well in last few decades but yes, it will. Education is an activity related to society as well as nations up gradation. Education quality has been associated with professional teachers, having good and high degrees with them and has good contact with the so-called learners or students. ICT usage in education leans itself to more student-centered learning settings. Often it creates tensions and stress for some teachers as well as students. With the rapidly moving world into information and digital media, the importance of ICT in education field is becoming more and more important. The value attained by ICT will continue growing and developing in the 21st century. This paper highlights the different impacts of ICT on contemporary higher education and explores potential future developments. This paper includes the role of ICT in transforming learning and teaching and help to find how this will affect on the way programs will be offered and delivered in the schools, colleges and universities of the coming era.

Keywords: Information, Education, Learning, Teaching and Information and Communication Technologies (ICT)

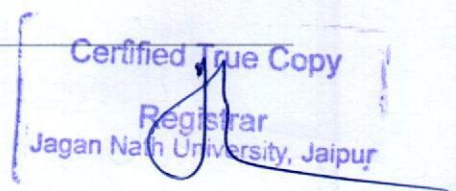
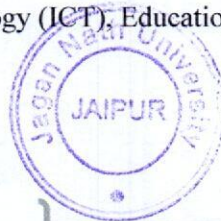
ICTs for Value Added Education System.

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ABSTRACT

This paper aims at current approaches toward usage of information and communication technology in education. These days the role of Information and Communication Technology (ICT), in the education sector plays a vital role, mainly in the process of enhancing the technology towards the educational activities. Education sector can be the most efficient sector to foresee and eliminate the negative impact of ICT. Technology in other way can be the most effective way to increase the student's knowledge. The different ICTs—print, audio/video cassettes, radio and TV broadcasts, computers or the Internet—can be used for presentation and demonstration, the most basic of the five levels. The ordered use of Web resources and collaboration tools for core curriculum is called telecollaboration. Judi Harris defines telecollaboration as “an educational endeavour that involves people in different locations using Internet tools and resources to work together”. Students use internet so commonly that they learn through video courses and get enrolled in such educational activities via ICT. Web-based collaboration tools, like message boards, real-time chat, email, and Web-based conferencing, connect learners to other learners, teachers, educators, scholars and researchers, scientists and artists, industry leaders and politicians—in short, to any individual with access to the Internet who can upgrade the learning processes.

Keywords: Information and Communication Technology (ICT), Education, Internet, teachers and student



SUMMARY

Jagan Nath University, Jaipur along with Jagannath University, NCR, Haryana jointly organized one day- National Conference on “Role of ICTs in Technical and Professional Higher Education” on November 30, 2018. The conference was inaugurated by Prof. H L Verma, Vice Chancellor, Jagannath University, Bahadurgarh and Prof. V K Agarwal, Pro Chancellor, Jagannath University, Jaipur presided over and made a presidential address. Both the speakers spoke about the relevance and importance of the theme of the conference.

They appreciated the efforts of the faculty members for organizing the conference. They also facilitated the participants of the conference. Prof. Agarwal pointed out that the life without ICTs seems to be very difficult if not impossible. In fact, ICTs have played a vital role in reshaping the education system.

The participants in the technical session focused on the various themes of the conference. The conference attracted the participants from the various fields i.e. Agriculture Environment, Law, Media, ICTs, Health Science, Education , etc.

This Conference on ICTs was a multidisciplinary in which the participants from the academia, industry, professionals, students, research scholars from various field attended and focused on optimum use of ICTs by the stake holders. The interactive sessions were very effective and useful for the participants.





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