



Savitribai Phule Pune University, Pune
P.D.E.A.'s, Mamasahab Mohol College



Jointly Organized

National conference on
“Teaching Learning with ICT : An Innovative Approach”

1st and 2nd January 2019

Conference Report

Teaching learning with ICT: An Innovative Approach

Mamasahab Mohol College, Paud Road, Pune -38

1ST and 2nd February 2019

In Association with:

Savitribai Phule Pune University, Pune

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Managing Director and CEO Maharashtra Knowledge Corporation Limited

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By Prof (Dr.) Anwar Shaikh HOD, Allana College of Pharmacy , Pune.

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By Mrs. Keyaa Mukherjee OS, Nanawati College of Arts Science and Commerce, Mumbai.

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Address: Prof (Dr.) Arvind Shaligram

Dean and Head of Electronics Department, Savitribai Phule Pune University, Pune



Introduction:

The technology has played integral role in transforming the world and hence the education too. As a tool technology is a boon to integrate innovation in pedagogy and learning management. The ICT can play very catalytic role in inclusive education for learners with different learning levels and abilities, learners with different economic and social backgrounds and for lifelong learning. Teaching Learning can overcome time barrier by making available 24X7 which is the need of today. The class deprived of education can be included in main stream of education by innovative use of ICT. The use of technology is one of the core value of NAAC whose guidelines are followed by HE Institutes in India. HEIs in India are practicing Teaching, Learning, Assessments and governance with ICT.

The Program:

The aim of the conference is to cover the areas like active teaching learning pedagogies, emergent technologies in the field of teaching learning management. In view of this Mamasahab Mohol College in association with Board of Development ,Savitribai Phule Pune University organized two days National conference on “Teaching Learning with ICT an Innovative Approach” The foremost objective here is to provide platform for educators, researchers and technologists to share ideas, applications and best practices

The Participation:

The conference witnessed a participation of nearly 50 Delegates including academicians and researchers from various Institutions around the country like Pune, Mumbai, Nasik, (Maharashtra) Mangalore, Dharwad, Nipani and Bagalkot (Karnataka). The Conference created a lot of excitement in the research fraternity which was reflected in the form of 49 full-length research papers received from all over India. During the two day conference there were 6 sessions and 30 papers were presented. In spite of being organized at a National level, it owes to its credit a full length research paper from California.

Inaugural Session



On the Occasion of Birth Anniversary Late Hon Baburaoji Ghoplap Founder PDEA , **Hon'ble Mr. Vivek Sawant , Managing Director ,CEO,MKCL** inaugurated the two-day National conference in presence of Prof. (Dr.) Vijay Khare, Director International center & Dean Humanities SPPU, **Hon. L M Pawar Joint Secretary PDEA**, **Dr. Sushama Bhosale Principal** , Dr. Sapana Rane National Conference convener, Dr Shivaji Shinde Convener State Conference , Prof. Santosh More co Convener National Conference .

Dr. Sushama Bhosale , Principal , welcomed the dignitaries on dais and delegates. She talked about the progressive journey of the college in last few years. She discussed issues related to academic discipline in the college and use of technology for teaching learning in recent years. **Dr. Vijay Khare** told about the Savitribai Phule Pune University and the role of university in college development. The use of technology in pedagogy will certainly change the educational scenario. He congratulated college for being external partner in social Innovation Project of SPPU. He also told teachers of the college to give their one hour every day for discussion on innovations they practice through the activities like "Think Lab". **Hon. LM Pawar** said delegates that you have come here to take energy. The world is changing and teachers must also change and adopt new things in the field. He told that late Hon Ramkrishna More Ex President was motivated by Hon Rajiv Gandhi and given the mantra of "computer to Literacy and Internet to ethics "to the Institutions of PDEA the parent institute. He told PDEA is leading in adopting technology in the field of education through the initiatives like "Cognitive exchange "project. **The souvenir of the conference is published under UGC listed peer reviewed multi disciplinary international journal AJANTA ISSN 2277-5730 with impact factor 5.5(SJIF) .**

Key note address:



The keynote address of the conference was unique of the type. **Dr. Vivek Sawant** gave demonstration of learning management systems “**Super Campus**” Developed by MKCL. He started his address by quoting the mobile phones are not allowed in the classrooms in most of the education institutes but super campus is the application which will compel educational institutions to make the mobiles compulsory in the classrooms for teaching learning. The app will enable teaching learning process to convert information into the knowledge and will help to convert people in to the learning community to the ever learning community.

He said that some teachers are repressive teachers some are impressive teachers and some are manifestive teachers. Teaching is not merely giving information but let the student’s synthesis knowledge by analyzing the information. The psychology treats students as adolescents but they must be treated as adults while teaching. The teaching learning process must be adult to adult interaction. It is the duty of teacher to convert the students into effective lifelong learner.

He further explained super campus as creative imaginative application of mobile facilitating the teaching learning process. The class room can be turned into ICT classroom without internet and projector so the app can be used along with mobiles with minimum expenses and hence is suitable for the institutions with minimum infrastructure.

The session ended with the vote of thanks by **Dr. Sapana Rane Convener** of the conference.

Session I: "Role of technology in an Innovative Teaching Pedagogies"



In the first session, **Dr. P.M. Shirge**, Associate Professor and Head, Discipline of Metallurgy Engineering and Materials Science, Chief Warden of Hall of Residence at **Indian Institute of Technology Indore** has guided on "Role of technology in an Innovative Teaching Pedagogies". He guided on various teaching-learning methodologies used in IIT Indore. He also introduced about the various new technologies which will come in use in a couple of years. This was very interactive session ended with the strategies resolving attendance issues of students. Dr. Vilas Wani, member ,BOS,Comp. Sci. SPPU chaired the session

Session II: “ Teaching Learning with Animation



In the second session of conference, Prof. Dr. Anwar R. Shaikh Head of Pharmaceutical chemistry department, Allana College of Pharmacy, Pune guided on “Teaching Learning with Animation”. He said “Every child is special “and animation can be particularly useful for remedial teaching. He asked teachers to think about teaching as religion and not a profession. He discussed about the purpose of animation in academics is to accomplish a cognitive function. The animations are helpful to support students’ cognitive processes that ultimately result in them understanding the subject matter. They can be used to make lecture very exciting and fun, the difficult concepts can easily be incorporated. Teachers can also use animation to demonstrate things and concepts visually exactly how they want to since they have control of every aspect of the animation. It can be used to show how things come together and work together. As an affective learning tool that attracts attention, engages the learner, and creates motivation facet. He demonstrated how Animation is used in presentation to make it effective and live by using various ICT tools like Online Image Editor, Video Scribe, white Board Animation, Prezi Software and Academic Presenter etc. This was really a creative, knowledgeable and feel of hands on experience session. Dr. Deepa Ramane ,Member, BOS Electronics ,SPPU chaired the session.

Session III: “Oral Presentations”



The objective of the conference was to cover the areas like active teaching learning pedagogies, emergent technologies in the field of teaching learning management. The conference provided the platform for educators, researchers and technologists to share ideas, applications and best practices. The researchers presented 49 research papers with the subthemes viz Innovative pedagogical approaches and paradigm shift in teaching learning process, Blending of technologies for qualitative teaching learning, Teaching learning management using ICT, Use of ICT for diversity, inclusion and special educational needs, Paperless education management, Creative and lifelong learning using ICT, Application development in the above stated areas including evaluation Cloud based application for teaching, learning, and evaluation, IoT (Internet of things) for innovation in teaching learning and evaluation. During day 1 following papers were presented: Potential of ICT in Improving Performance in Sports, Effective use of ICT in Teaching Electronics to Computer Science Undergraduate Program, Education: New Role of Information Technology, Issues and Challenges in Transfer ICT Enabled Education in Rural, Role of Information and Communication Technology(ICT) in Student Assessment, A Review on ICT Enabled Teaching and Learning in INDIA, Review of Digital Tool in Paperless Education Management, A Study of Artificial Intelligence Enabled ICT Tools in Education System, Review of Statistical Software of Data Analysis in Research

Session IV: "Education management with ICT"



On the second day of the conference 2nd feb 2019, **Ms. Keyaa Mukharjee**, office superintendent of Maniben Nanavati Women's College, Ville-parle west, Mumbai demonstrated the case study of her college "Education Management using with ICT". She explained about how to go for Paperless office systematically. She demonstrated student management system, E-Correspondence Management System, Digital File Management, E-Service Record management System, Inventory Management system, Quality Management System etc.

The use of ICTs in education is a teaching and a learning tool, as long as an important tool for administration too. Many times, however, appear difficulties in ICT integration due to various weaknesses and shortcomings.

But Keyaa Mukherjee put forward the efficient and systematic way of document control and record management. She gave away a keynote "Office Automation the need of an hour"

The session was quite interactive useful for both teachers as well as non teaching administrative staff.

The session was chaired by **Dr. Ranjit Patil**, Vice Principal, D Y Patil ACS College, Pune. Dr. Patil said the session was constructive in perspective of administration, IQAC and facing NAAC the technical way.

Session V: “ Innovative Teaching Learning with ICT”



At session VI **Dr. M.B. Kothale**, Principal, G I Bagewadi College, Nipani, Karnataka guided on “Innovative Teaching Learning with ICT”. He guided about inclusion of ICT in new guidelines of NAAC. He explained how to include ICT in innovative teaching learning methods. The use of technology is one of the core values of NAAC. Integrating ICT not only in teaching Learning But also in administration, governance, Library and student support services is very crucial in today’s scenario. Dr. Prashat Mulay Head of Computer Science Dept and member BOS Computer Science SPPU chaired the session



Session VI: “ Oral Presentations”



The following papers were presented in this session - Instructions to Learning: Paradigm Shift in Technology and Learning Process, Cloud Computing: A Review of its Tools in Teaching Learning Process, Internet of Things in Educational Sector: A Review on Practical Implementation, E Learning –Impact in Teaching Learning and the use of ICT Tools, Advanced Pedagogy: New Tools for Teaching and Learning, Integrating ICT in Mathematics ,Use of ICT in Higher Education paradigm Shift in Education in INDIA Journey from Gurukul to E Learning, Use of ICT in Teaching and Learning with special Reference to SPPU Cost Study . This was really interactive session. The researchers discussed over various issues of ICT in education.

Valedictory function



The valedictory function was presided by **Principal Dr. Sushama Bhosale**, Hon **Dr. Arvind Shaligram**, Dean, Science and Technology and head of electronics department, SPPU was the guest of honour, **Dr. Ravindra Shinde**, Member BOS, Geography, SPPU was present for the function. **Dr. Sapana Rane**, **Convener**, National conference summarized the two days activities. Representative participants expressed their thoughts. Principal **Dr. Sushama Bhosale** expressed her thoughts and thanked to all participants. Hon. Dr. Arvind Shaligram in his talk said to profess means adding some own to the information and transforming it to the knowledge to be imparted to the students. He asked to embed technology in teaching learning process to make it participatory and lifelong. He told about the use of MOODLE in SPPU. The participants were motivated to be professors in real sense. **Prof. Santosh More Co Convener** of the conference gave away vote of thanks.