

Transforming Institutional Culture Towards Excellence

Rajesh P. Khambayat

National Institute of Technical Teachers' Training & Research, Bhopal, (M.P.), INDIA

E-mail : rpkhambayat@nittrbpl.ac.in

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***Abstract:** Institutional culture is a multidimensional; it is constructed upon the human interactions and the institute artefacts that result from such interactions. In other terms, it is the behavioural norms of an organization based on the assumptions, values, beliefs, attitudes, and priorities of its leaders and members. Very few institutions intentionally and thoughtfully create or design their culture. Else, the values of top management or the founders of the institute influence it. Many times the culture typically evolves from the tactical demands of delivering the products and services the organization provides.*

This paper introduces the readers valuing about institutional culture. The main aim of transforming the institutional culture of excellence is purposefully and actively builds capability for new ways of institutional working. It looks at the frontier, how we can reform the existing institutional culture and the specific challenges in the context of the technical education sector.

Emotional Intelligence for Effective Teaching Learning

S.K. Saxena

National Institute of Technical Teachers' Training & Research, Bhopal, (M.P.), INDIA

E-mail : sksaxena@nittrbpl.ac.in

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***Abstract:** The aim of technical education system is to transform young students into employable graduates equipped with technical, managerial and soft skills. Now-a-days industries are in dire need of trained personnel who are not only technically qualified but also high on emotional intelligence, good in interpersonal skills, think creatively and manage stress in difficult situations. Research studies have revealed that the key of success in professional life is not just cognitive intelligence rather 80% success in life depends on emotional intelligence (Freedman, 2005). Similarly it is witnessed that emotionally intelligent persons with positive attitudes excel in their professional, social as well as personal life. The present paper focuses on role of emotional intelligence for enhancing the effectiveness and efficiency of teaching learning process so that it empowers learners with the traits which are required to be successful in today's world.*

Employability Skills for Textile Technology Students – A State of the Art

G.Krishnaraj* and S.Renukadevi

National Institute of Technical Teachers' Training & Research, Chennai, India

*Corresponding Author: mg_krishnaraj@yahoo.com

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Abstract: Along with changing trends and global competition in textile industries, employer's expectations are also changing over the period. According to the level of knowledge and skill required for the working climate, the employability of the graduate is decided. The main concern of textile industry today is to find an employee with suitable employability skills and retain them. This paper describes the needs for employability skills and its influences on various textile industry job profiles. By examining the various employability skills offered in textile engineering curriculum, various challenges to be addressed in the textile education is highlighted. The benefit of this study is justified by the fact that skill identification is the preliminary requirement to make the textile graduates employable.

An Approach to Address Shortage & Quality of Technical Teachers

V.H. Radhakrishnan and K.K. Jain

National Institute of Technical Teachers' Training and Research, Bhopal (MP) India

E-mail : vhradhakrishnan@nittrbpl.ac.in

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Abstract: Today, all we know and are witnessing the uncontrolled expansion of technical education on one hand & acute shortage of teaching faculty in technical education, on the other, more so in engineering education at all levels to address such issues and problems, based on experience of authors, a strategy has been suggested through his article, to attract and prepare, "ready to teach technical teachers" by introducing a post graduate diploma programme in technical teaching targeting young graduates & post graduates.

Integrating Values in Higher and Technical Education

Kiran Saksena

National Institute of Technical Teachers' Training and Research, Bhopal (MP) India

E- mail: ksaksena@nittrbpl.ac.in

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***Abstract:** Now a days we are experiencing the degeneration of moral, ethical and social values in all the spheres of the society and so is true for higher and technical education system also. The students in educational institutions differ not only in their cognitive development, linguistic abilities, scholastic achievement, learning styles and academic skills but also in socio-economic, cultural and religious background leading to diverse problems. The aim of higher education system is not only to empower them with skills to earn money and lead a productive life but also to develop them as good human beings integrating positive values and living together in a cultured and peaceful way. The role of teacher educator is prominent because the students need support, guidance and cordial environment for the development of inner potential, positive self concept and development of positive thinking towards self and others. This paper focuses on the development of "wholistic" personality of students, the attributes for graduate passouts, the teaching learning model, the role of teachers during the students' stay at and institutions of higher education.*

Challenges Experienced in the First Year of Implementation of Teaching and Learning through E-Vani

M Munshi

Department of Computer Science & Engg , Polytechnic , Barwani (M.P.) India

E-mail : mmunshi.research@gmail.com

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ABSTRACT:

Advances in information and communication technologies are enabling education to address lack of highly qualified and experienced teachers in institutes of education through digital means of distance education and social collabora Virtual partnerships are defined here as collaborations between geographically dispersed institutions, where interaction between these institutions is enabled mainly by electronic modes of communication. Department of technical Education, Govt. of M.P. has taken initiative E Vani to organize distant education classes from S V Polytechnic Bhopal to its affiliated polytechnic colleges all over state. The article focuses on the challenges experienced during the first year of implementation of the E Vani , lessons learned from it and recommendations offered for initiative to ensure success in next session implementations

Laboratory Development through Final Year Projects: an Approach

Satyajit Patil* and Sushama Kulkarni

Rajarambapu Institute of Technology, Sakharale, (MS), 415414, India

*Correspondence Author: satyajit.patil@ritindia.edu

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Laboratory development or augmentation of laboratory facilities remains a key issue for a technical education institute. Laboratory experiences not only serve to reinforce understanding and research activities but also create and sustain the interest level of learners. Owing to reasons like lack of resources of varied nature, it remains a major challenge for an institute.

This article suggests use of undergraduate final year projects as a means to address this issue. An illustration highlighting development of experimentation set up developed as a final year project and validation of the same has been presented here. Student evaluation and feedback has clearly indicated the effectiveness of this set up and hence the approach, for above mentioned problem. The results have also been statistically validated using student's t test and Sandler's A test.

A Brief World Bank Assisted Technician Education Project In India

V.H.Radhakrishnan

National Institute of Technical Teachers' Training & Research, Bhopal, (M.P.), INDIA

Email : vhradhakrishnan@nitttrbpl.ac.in

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Abstract : *This brief article attempts to bring out specific information related to W.B. assisted project based intervention for overall capacity expansion, quality & efficiency improvement of technician education in India where in NITTTR (then TTITs) had contributed significantly to bring out reform in technical education system.*

Teaching for Creativity by Social Learning Tools : An Innovative Approach for Technical Teachers

Ajit Dixit

National Institute of Technical Teachers' Training & Research, Bhopal, (M.P.), India

E-mail: adixit@nitttrbpl.ac.in

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Abstract: Teaching for creativity includes skills of encouraging people to believe in themselves, identifying and helping students to discover their own creative strength, and to foster the skills of independent creative work. In order to promote intelligent and creative work, a balanced curriculum should give equal status and resources to literacy and numeracy and the emphasis should be divided equally on each discipline, with equal access, for all students, to foster student's learning. Learning as a social process in which there is interaction and mindful observation is opposed to the mechanistic view of learning advocated by behaviourism. Successful learning takes place when students observe, pay attention and interact. Through the use of technology social learning has acquired a new dimension. New emerging technology provides these requirements with plenty of tools available for social learning these include: e-learning, distance-learning, peer-to-peer learning, and innovative use of technology in teaching learning process during regular classroom teaching. This paper describes some social learning tools and Specific Professional Development Tools, for teachers, for effective and creative teaching learning.

Enriching Abilities of Technical Teachers with Animation Development Skills -NITTTR Bhopal Way

S. S.Kedar and A.A.Khajanchee

National Institute of Technical Teachers' Training and Research, Bhopal, INDIA

E-mail : sskedar@nitttrbpl.ac.in, aakhajanchee@nitttrbpl.ac.in

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ABSTRACT

In the 21st century the digital media has gained an important position in teaching learning process due to ICT and mobile revolution. Use of computer based media such as, internet/web based video lectures, e-content and e-books, virtual laboratory, interactive boards, interactive panels and interactive pads, tablets, mobile, and new media such as social networking, blogs, wikis, and video conferencing, etc. for teaching learning process has enhanced the importance of multimedia learning. Subject-content based multimedia may be any presentation having integration of various elements such as text, visuals or graphics, photographs, animation, video, audio and interactivity, useful for both teachers and students.

In India the number of technical institutions is increasing at a high rate and quality of teaching-learning process is a major issue. On the other hand, the digital multimedia technology has the potential to reach remote places with ICT. Therefore such Multimedia Learning resources are also being promoted by the Govt. of India under NMEICT. To make the learning process more interesting and effective and personalized, the teacher needs to enhance his/herskills in developing curriculum based multimedia Learning Resources for meeting the needs of his students. Animation is an important multimedia element that can be developed by the teacher himself after short term training. The paper highlights the importance of efforts done in enhancing the abilities of the technical teachers in development of curriculum based animations through appropriately designed training programme at NITTTR Bhopal. The instructional strategy and information about different animation development software is also presented.

Regional Employability of Engineering Graduates in India

Atul Mishra

National Institute of Technical Teachers' Training & Research, Bhopal, (M.P.), INDIA

E-mail: amishra@nitttrbpl.ac.in

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***Abstract :** In today's world, the intellectual capital of a nation is its biggest strength in driving socioeconomic growth. For an individual, higher education is not only a means of intellectual pursuit, but also a catalyst to become self-dependent financially to lead a respectable life. We as a Nation have been the beneficiaries of the new knowledge based world economy and so has been the consistently growing Indian middle class. To continue on this growth path and allow its advantages to trickle down to the masses, we need to continue to audit the quality of our higher education system, identify gaps and implement constructive interventions for a better tomorrow. Employability is one of the key drivers of economic and intellectual growth of any country. It provides a tracking mechanism to see the progress year on year toward building a powerful, enlightened and equitable nation.*

English Language : Strengthening The Network of Cross Cultural Communication

Anjana Tiwari

National Institute of Technical Teachers' Training & Research, Bhopal, INDIA

E-mail: atiwari@nitttrbpl.ac.in

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***Abstract:** Culture plays a substantial role in teaching and learning a language. The acquirement of cultural knowledge is a central part of language learning. This paper discusses the importance and necessity of cross-cultural communication in the language teaching, and focuses on the parts: 1) analysis of cultural differences in cross-cultural communication; 2) discussion of cross cultures and language teaching; Language teaching may become more effective through a close consideration of the differences between two cultures. Teachers should augment students' cross-cultural responsiveness and help them to surmount cultural difficulties, so that they can obtain a communicative aptitude along with proficient knowledge of culture.*

Effectiveness of Video Programs on Advertising in Terms of Knowledge Attainment of Undergraduate Students

Awanish Singh

Graphic Designer, MATCH BOX INDIA, Indore (MP) INDIA

E-mail : asingh241.1986@gmail.com

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Abstract :

In the present study the investigator has made an attempt to study the effectiveness of five video programs on different aspects of advertising in terms of knowledge attainment of under graduate students. A sample of 77 undergraduate students comprised experimental group (n=44) and control group (n=33). The non-equivalent control group quasi experimental design has been used in this research study. The data were collected by administering design has been used in this research study. The data were collected by administering Knowledge Attainment Test and Attitude towards Educational Television Scale. The obtained data were analysed by using ANCOVA as a statistical technique. The results of the study show that viewing of video programs namely Concept and Characteristics of Advertising, History of Advertising, Integrated Marketing Communication, and Incredible India are effective in enhancing the knowledge attainment of undergraduate students, while the only video program namely Roles of Advertising has been found not effective.

Evaluating the Effective use of ICT resources by the Teachers of Engineering Colleges

Sameena Farrukh

Department of Education and Research, NITTTR, Bhopal, INDIA

E-mail: sameenafarrukh04@gmail.com

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Abstract: *This paper is a result of a research study conducted to determine the effective use of ICT resources by the teachers of technical and engineering streams. In this research study a questionnaire has been administered on a group of 60 technical teachers. The findings show that teachers use ICT resources effectively to improve teaching learning activities in classrooms. It also shows that most teachers have problems in using ICT resources due to lack of resources and the available resources do not work up to their required performance.*