

**NAAC SPONSORED NATIONAL SEMINAR**  
**INTEGRATION OF TECHNOLOGY**  
**IN TEACHING, LEARNING AND**  
**EVALUATION PROCESS**

**September 30 & October 01, 2019**



**Seminar Proceedings**

**INTERNAL QUALITY ASSURANCE CELL**  
**NIRMALA COLLEGE MUVATTUPUZHA**  
**(Affiliated to Mahatma Gandhi University, Kottayam)**

**NAAC SPONSORED NATIONAL SEMINAR**  
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**SEMINAR PROCEEDINGS**

**INTERNAL QUALITY ASSURANCE CELL**  
**NIRMALA COLLEGE MUVATTUPUZHA**  
**KERALA**

(Affiliated to Mahatma Gandhi University, Kottayam)



## SEMINAR PROCEEDINGS

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## ABOUT THE COLLEGE

Established in 1953, Nirmala College, Muvattupuzha is a first grade college affiliated to Mahatma Gandhi University, Kottayam. It is a minority christian institution governed and managed by the Corporate Educational Agency, Syrian Catholic Diocese of Kothamangalam. In strict compliance with the vision of the founding fathers, the college has served the community, irrespective of caste, creed and colour and has contributed to the world quite large a number of value-based Nirmalites. Her performance in academic and non-academic activities has been acknowledged by the NIRF rankings 2017 in the form of its position on the 91st among the list of colleges in the country. In addition, the college has been bestowed with the prestigious 'Star College' status by the Department of Bio-Technology (DBT), Government of India, in recognition of the advancements made by the college in the field of science education, with a handsome financial grant. All science departments of the college are supported by the DST- FIST scheme.

The college has now grown to become a centre of learning that offers graduation in 17 disciplines, post-graduation in 14 and research facility in seven. Thirty six research guides are supervising the Ph.D. Fellows in seven disciplines. The college has been successfully publishing a bi-annual research journal "Science and Society" for the last 15 years.

The college is located on a hill top at the doorstep of high ranges in the western ghats. The campus is spread over 53 acres of land with state of the art facilities for a constructive learning experience. The college has now grown to become a

centre of learning that offers graduation in 16 disciplines, post-graduation in 14 and research facility in six. The college also runs 17 certificate/ diploma programmes. The IGNOU Study Centre, functioning in the college, offers 11 UG and 04 PG Programmes. The Nirmala Civil Service Academy, functioning in the college, caters to the needs of civil service aspirants.

The college attracts quality students from the length and breadth of the state. Some students come even from other states. Out of 72 full time faculty, 45 are Ph.D. holders. Thirty six research guides are supervising the Ph.D. Fellows in six disciplines. As many as 52 research scholars have, so far, been awarded Ph.Ds. Thirty four research projects have been completed during the last five years. And nearly 150 seminars and lectures were organised during the said period. The college has been successfully publishing a bi-annual research journal "Science and Society" for the last 15 years. The teachers publish in national and international journals and present papers in national and international seminars/ conferences.

The college has six auditoriums and 18 conference/ seminar halls of which eight are air conditioned. It has 34 class rooms with ICT facilities. The laboratories are equipped with modern equipment. We do have sufficient playgrounds for the physical training of the students. The fully automated library offers computerised catalogue search service through the Library Management Software called 'Libsoft'. The library provides remote access to e-resources through its digital library wing called Nirmala College Digital Library. The library has nearly 82000 books. The college has a favourable student computer ratio of 6.27 with 431 computer terminals spread over six computer labs. High speed internet connectivity is another

attraction of the campus. The English Language Laboratory with 30 web enabled computers is a centre for training students in the use of correct English. The college has a well furnished guest house with 15 rooms, four ladies hostels, one boys hostel, two sports hostels, Fitness Centre, Reprographic Centre, Yoga Centre, Digital Theatre, Folklore Musuem, Public Call Centre, Stationery Store, Kiosks, Cafeteria, Post Office, Bank, two ATM Centres, Medical Room, Herbal Garden, Butterfly Garden, Vermi Compost Plants, Bio-gas units, Aquatic Farm, Mushroom Farm, Rain Water Harvesting unit, Solar Panels, Staff Co-operative Society, Electronic Equipment Maintenance Centre, Prayer Hall, Counselling Centre and special amenities for the differently abled.

The college has a well functioning Career Guidance and Placement Cell under the title, "Nirmala Institute of Competitive Studies" (NICS) which regularly conducts coaching classes for competitive examinations like UGC-NET, Bank tests and PSC/UPSC/SSC examinations. A good number of outgoing students get placed in one job or the other. The college also has institutional mechanisms like NSS, NCC, Walk with a Scholar Scheme, Business Incubation Centre, and facilities for remedial coaching and soft skill development.

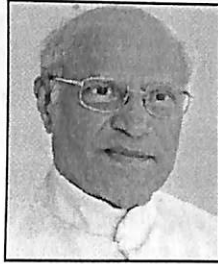
Blessed by the Almighty, with the fortress of a strong Governing Body, Staff Council, IQAC, committed teaching and non-teaching staff, vibrant Alumni Association, Parent Teacher Association and well intentioned students, the college is marching towards greater heights. On the occasion of completing 65 glorious years in service of the nation, we salute our forefathers who made this institution great through their hard efforts and seek the support and blessings of everyone in rejuvenating our future.

## BACKGROUND OF THE SEMINAR

Based on the TS R Subramanian Committee Report and the inputs from the Ministry of Human Resource Development (MHRD), Government of India, K Kasturirangan Committee has produced a comprehensive document of Draft National Education Policy 2019. One of the trust areas in the draft policy is the integration of technology and education. The relationship between education and technology is bidirectional as both of them complement each other. In the recent past, technology has become an integral part of the Indian education landscape and the Information and Communication Technology (ICT) has taken the teaching- learning process at colleges and universities to the next level. In this context, it is essential for the teachers to leverage the technology to enhance their academic output and educational outcomes. As part of the Continuing Professional Development (CPD), the teachers are now expected to use various online courses offered by the premier educational institutions across the globe. Further, teachers are bound to create new impactful technology based tools in the teaching, learning and evaluation process. This seminar is intended to serve the changing needs of teachers especially in the technology front and bring quality orientation and competitiveness in the teaching and learning process. It is also expected that the seminar will familiarise the teachers with the key technological trends in the higher education sector. Finally, it will provide the participants access to learn the latest advances and ideas in both pedagogy as well as subject content.

## Message

It gives me immense pleasure to know that Nirmala College, Muvattupuzha is organising a two-day National Seminar sponsored by NAAC on “Integration of Technology in Teaching Learning and Evaluation Process”. The theme of the seminar is very relevant for teachers and higher education institutions in India because technology plays an important role in enhancing the teaching learning process. The seminar familiarises the teachers with the key technological trends in the higher education sector.



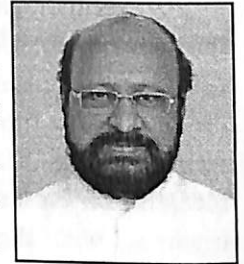
I express my sincere appreciation for the organising team and wish all delegates an intellectual feast.

**Msgr. Rev. Dr. Cherian Kanjirakompil**

Manager,  
Corporate Educational Agency  
Diocese of Kothamangalam

## Message

It gives me immense joy to know that the Internal Quality Assurance Cell of Nirmala College is organising a national seminar on “Integration of Technology in Teaching, Learning and Evaluation Process”. The aim of this seminar is to support educators and policy makers who are investing in digital innovations to develop effective and sustainable online learning solutions. I hope that the seminar will reflect on the wide range of research issues in the development of innovative technology enabled teaching and learning solutions. The technical sessions will give an in-depth knowledge and understanding of issues related to the design and creation of digital contents for learning purposes.



The seminar unfolds a vista of scholarly talks, deliberations, and academic presentations. The inclusion of hands on training on academic digital content creation further extends the scope of the seminar.

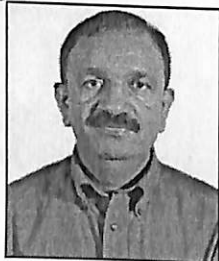
The organisation of the national seminar is the outcome of sustained efforts of IQAC of the college. I wish the seminar a great success, and all guests and participants a most rewarding and enjoyable time.

**Rev. Dr. George Thanathuparambil**

Higher Education Secretary  
Corporate Educational Agency  
Diocese of Kothamangalam

## Message

Technological innovations and its integration have completely changed our daily lives in recent times, education being no exception. In fact, integration of technology has changed higher education globally over the last 10-15 years. Unless we catch up with these changes and make reforms in the ways we teach, learn and evaluate, we will be left behind and will fail to meet the challenges in the future. It is in this context that Nirmala College, Muvattupuzha is organising a two day NAAC sponsored National Seminar on Integration of Technology in Teaching, Learning and Evaluation Process.



I would like to thank NAAC for sponsoring this seminar. I also take this opportunity to thank Mr. Siljo V. K. Deputy Secretary, MHRD for his kindness in inaugurating this seminar and deliver the keynote address. I also thank Dr. Devender S Kawday, Deputy Adviser, NAAC for being kind enough to be the resource person for the seminar.

I am grateful to the Manager, Msgr. Rev. Dr. Cherian Kanjirakompil, and Rev. Dr. George Thanathuparambil, Higher Education Secretary, Diocese of Kothamangalam for their support and encouragement.

I congratulate Dr. Sony Kuriakose and all the IQAC members for organising this seminar. I extend a hearty welcome to all the resource persons and delegates and I wish all the best wishes for the seminar.

**Dr. James Mathew**  
Principal

## SEMINAR NOTE

This seminar is intended to serve the changing needs of teachers especially in the technology front and bring quality orientation and competitiveness in the teaching and learning process. It is also expected that the seminar will familiarise the teachers with the key technological trends in the higher education sector. Further, it will give an opportunity for the teachers to get practical training in various educational software platforms commissioned by the MHRD and other government agencies. Finally, it will provide the participants access to learn the latest advances and ideas in both pedagogy as well as subject content.

### Sub-themes

The following are the sub-themes of the seminar

1. Revised NAAC Accreditation Framework
2. ICT and Educational Innovation
3. Online Learning Platforms
4. Active Learning Pedagogies
5. Outcome based Education
6. Digital Education ERP in Higher Education Institutions
7. Continuous Professional Development
8. New Education Policy 2019
9. Learning Management Systems

### Expected Outcome

After attending this seminar, the participants should be able;

1. To become more professionally competent.

2. To get familiar with the various tools available for the creation of digital education content.
3. To familiarise different online Platform for Teaching, Learning and Evaluation
4. To get a quality orientation in the teaching-learning processes

#### **Target Audience (Participants)**

1. Academicians
2. Educational Consultants
3. IQAC Co-ordinators of higher education institutions
4. IQAC Members of higher education institutions
5. Teachers in Higher Education Institutions
6. Research Scholars

**Dr. Sony Kuriakose**

Co-ordinator, Internal Quality Assurance Cell

sony@nirmalacollege.ac.in

Ph : 8113980672

### **Organising Team**

- ☛ **Msgr. Rev. Dr. Cherian Kanjirakompil**, Manager, Corporate Educational Agency, Diocese of Kothamangalam
- ☛ **Rev. Dr. Fr. George Thanathuparambil** Higher Education Secretary, Corporate Educational Agency, Diocese of Kothamangalam
- ☛ **Dr. James Mathew**, Principal
- ☛ **Dr. J. Georgi Neernal**, Vice Principal
- ☛ **Prof. Saji Joseph**, Vice Principal
- ☛ **Rev. Fr. Francis Kannadan**, Bursar
- ☛ **Dr. Sony Kuriakose**, IQAC Co-ordinator
- ☛ **Dr. T. M. Jacob**, NIRF Co-ordinator
- ☛ **Dr. Julia Emmanuel**
- ☛ **Ms. Anu Jossy Joy**
- ☛ **Sri. Shaimon Joseph**
- ☛ **Dr. Nibu Thomson**
- ☛ **Sri. Titu Thomas**
- ☛ **Sri. Mathews K. Manayani**
- ☛ **Dr. Radhu S.**



## Functional Committees

### PROGRAMME

Dr. George James  
Dr. Ani Kurian  
Dr. Manu C. Skaria

### RECEPTION

Prof. Leena Mathews  
Dr. Armstrong Sebastian  
Ms. Sona George  
Ms. Krishnaja A. R.

### REGISTRATION

Dr. Julia Emmanuel  
Dr. Radhu S.  
Mr. Mathews K Manayani

### LOGISTICS AND DELEGATES MANAGEMENT

Dr. Nibu Thomson  
Dr. Vinod K. V.  
Prof. Titu Thomas  
Ms. Ligi George

### FINANCE

Prof. A. J. Emmanuel

### Food and Accommodation

Prof. Shaimon Joseph  
Dr. Albish K. Paul

### SESSION CO-ORDINATION

Ms. Sindhu Rachel Joy  
Dr. Suby Baby  
Dr. Shibir Mohanan  
Dr. Rajesh Kumar B

### Press & Communication

Dr. Sanish P B  
Dr. Nibu Thomson  
Mr. Prince Samuel Joseph  
Mr. Augustine Benny

## List of Participating Institutions

1. Ministry of Human Resource of Development, New Delhi
2. National Assessment and Accreditation Council, Bangaluru
3. Indira Gandhi National Open University, New Delhi
4. ICT Academy of Kerala
5. VIT University, Amaravati, Andhra Pradesh
6. University of Kerala, Thiruvananthapuram
7. Shri Nehru Maha Vidyalaya College of Arts and Science, Bharathiar University
8. JSS Academy of Technical Education, Visveswaraya Technological University, Bangalore
9. SNMV College of Arts and Science, Malumachampatti . Coimbatore-50.
10. Zamorin's guruvayurappan college, Kozhikode
11. Bhavan's College of Arts and Commerce, Kakkanad.
12. M.O.S.C. College of Nursing, Kolenchery
13. T.M.Jacob Memorial Govt.College Manimalakunnu
14. K E College, Mannanam
15. MA College Kothamangalam
16. CMS College (Autonomous), Kottayam

## Dr. Devender Kawday

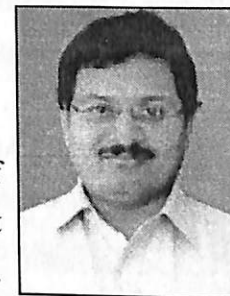
Deputy Adviser, NAAC



- Dr. Devender Kawday has done his MCom, MBA, MIRPM, MA (Eco.), SET, PhD
- He is working as a Deputy Adviser in NAAC, Bengaluru.
- He worked as a Joint Secretary, University Grants Commission (UGC), New Delhi
- He also worked as a Director, Department of Management Sciences and Research (DMSR), Nagpur
- He is basically a faculty of Commerce and Management with a teaching experience of 16 years and an administrative experience of 07 years.
- Supervisor for PhD and several students have completed PhD under his guidance.
- Completed Two Major Research Projects
- Around six books published in the subjects of Commerce and Management
- Several Papers and Articles published in National and International Journals, Newspapers and Magazines
- Delivered Lectures as a Key note speaker in various Conference / Seminar / Workshop

## Dr. M. Rajesh

Regional Director  
IGNOU, Vatakara



Dr.M.Rajesh, has wide experience of working as Regional Director at various Regional Centres of IGNOU. He was the founder Regional Director of IGNOU RC Mumbai. He held the post of Regional Director at RC Cochin for almost five years before being posted as RD, Vatakara. He has a number of publications in National and International Journals. A number of socially important initiatives had been taken up during his stint as Regional Director at various Regional Centres. His contribution includes educational inclusion of transgender community, expanding computer literacy among masses, initiating training programmes for conventional and ODL teachers and promoting social inclusion of marginalised sections of the society such as tribal communities, jail inmates etc. He guides students at Doctoral level. He has served on the board of studies of educational institutions. He is currently on the Advisory Academic Board of SDE, University of Calicut, Kerala. He is also the Programme Coordinator for a MOOC on

environmental sustainability. He has delivered keynote address at various National and International seminars and conferences. Apart from the Doctorate, Dr.M. Rajesh has done Master's Degree, M.Phil, Post Graduate Diploma (Distance Education and International Business Operations) and LLB. He has also served on various committees within and outside IGNOU.

His current areas of research interest are Political Economy, International Relations, environmental law, delivery of education through digital mode and reaching out to the intellectually challenged.

### Dr. Sreekanth D.

Senior Knowledge Officer  
ICT Academy of Kerala



Dr. D. Sreekanth is a Knowledge Officer in ICT Academy of Kerala where he has been a member since 2014. Formerly he was the IT Specialist of Kerala Institute of Local Administration (KILA). Sreekanth completed his Ph.D at Bharathiar University. His area of interest is Cloud Computing and Machine Learning. He holds a post-graduation in Computer Applications with M.Phil and also a M.Tech in Computer Science and Engineering.

He has various international and national publications in reputed journals and refereed books related to the area of Cryptography, Cloud Computing and Machine Learning. He has co-authored a book titled Classical Management Information Systems.

He is a member in the pool of examiners at IGNOU and also a member of Board of Studies of Mar Ivanios College, Trivandrum and Christ College, Irinjalakkuda, Thrissur.

He has conducted numerous student and faculty development programs in the state. He is also a resource person for various corporate trainings in the technology domain such as Data Science and System Design etc. He is also a winning team member of the e-governance award 2016-2017 by Govt. of Kerala.

## PROGRAMME

**30.09.2019 (Day 1)**

09.30 AM Registration

09.45 AM Inauguration

Sri. SILJO V K,

Deputy Secretary, Ministry of Human Resource Development

10.30 AM – 12.45 PM - Technical Session I

The Revised NAAC Assessment and Accreditation Methodology

Dr. DEVENDER S KAWDAY, Deputy Adviser, NAAC

Lunch Break

1.45 PM – 3.30 PM - Technical Session II

MOODLE as MOOC Platform

Dr. SREEKANTH D. Senior Knowledge Officer, ICT Academy of Kerala

3.30 PM: Paper Presentations I

**01.10.2019 (Day 2)**

09.45 AM - 11.30 AM - Technical Session I

Integrating Open Education Resources to an Online Learning Environment

Dr. M. RAJESH, Regional Director, IGNOU

11.45 AM – 1.00 PM - Technical Session II

Developing Effective Online Content for LMS

DR. M. RAJESH, Regional Director, IGNOU

2.00 PM – 3.30 PM: Paper Presentations II

3.45 PM - 4.30 PM: Valedictory Function

Chief Guest : Dr. Thomson Joseph, Principal Newman College, Thodupuzha

## ABSTRACTS OF SEMINAR PAPERS

Paper Presentations I

*Session Co-ordinators:*

**Ms. Sindhu Rachel Joy &  
Dr. Rajesh Kumar B**

*Chairperson:*

**Dr. George James**

*Co-Chair Person*

**Sri. Shaimon Joseph**

## ERP Systems in Higher Education Institutions

Kavunthi Karunakaran, IQAC –Co ordinator, Associate Professor & Head in Mathematics  
Shri Nehru Maha Vidyalaya College of Arts and Science, Bharathiar University  
E-mail id : skavunthi@gmail.com

At its most basic level, ERP ( Enterprise Resource Planning) software integrates these various functions into one complete system to streamline processes and information across the entire organization. The central feature of all ERP systems is a shared database that supports multiple functions used by different business units. Enterprise resource planning (ERP) is a process used by companies to manage and integrate the important parts of their businesses. Many ERP software applications exist to help companies implement resource planning by integrating all of the processes it needs to run a company with a single system. A higher education ERP system helps manage business workflows at colleges and universities. It streamlines the flow of information between all business functions and departments within the institution. It also makes it easier to manage interactions with outside stakeholders. Education ERP is a software solution to manage, monitor and streamline all the academic processes within educational institutions. It can manage complete student life cycle from admission to alumni. Education ERP is also known as the Student Information System. Not only it manages students but also employees. In Education ERP is specifically

designed and intended to cover the in-depth functionality of educational institutions such as school, colleges, university and training institutes, that helps this institute to automate several tasks minimizing manpower. ERP system has different modules. The main contribution of this study is that provides an overview of HEI ERP with academic modules and in what way we are implementing to the Higher Educational institutions.

*Keywords: Enterprise Resource Planning System, Higher Education, Implementation, Modules*

### **Role of ICT to Make Teaching – Learning Effective with Reference to Higher Institutions in Alappuzha**

Reshmi Alex, Nisha M & Genita Stephanus Isaac Assistant Professors,  
Department of Commerce, KVM College of Arts and Science, Cherthala

Many people recognize ICTs as catalysts for change; change in working conditions, handling and exchanging information, teaching methods, learning approaches, scientific research, and in accessing information. ICT has been introduced into education over the last 25 years. The effective integration of this technology into classroom practices poses a challenge to teachers and administrators. This empirical study aimed at finding out the factors influencing use of ICT to make teaching learning effective in higher institutions of learning in Alappuzha and identifying the innovations that ICT has brought into teaching-learning process. Pedagogy and Learning with ICT explores the possibilities for change in education systems arising from young people's enthusiasm for ICT and their ability to rapidly acquire skills in its use through exploratory play. This paper focuses on how technology can transform the routine practices of schools to make learning more exciting and engaging. The 'art' of innovation involves teachers and teacher educators in the creative, collaborative process of imagining, experimenting with, and evaluating new pedagogies.

**Keywords:** *ICT, Teaching-Learning, Higher Institutions of learning, Pedagogy*

### **A Critical Evaluation of Innovative and Creative Practices in Teaching, Learning and Evaluation Process: A Study with Reference to NAAC 'A Grade' Accredited Higher Educational Institutions in Bangalore**

Ms. Andrea Vincent, Assistant professor, P.G. Department of Social Work,  
St. Claret College, Bangalore & Dr. Jyotsna Krishnan, Department  
of Humanities, St. Claret College, Bangalore.

Email id: andrea@claretcollege.edu.in , jyotsna@claretcollege.edu.in

Innovation and creativity is being an integral part of quality education. This paper explores the Innovative and creative teaching and learning methods adopted in Higher Educational Institutions in Bangalore, which is accredited with A Grade after 2017. The SSRs and AQARs of Higher Educational Institutions will be reviewed to understand the innovative and creative methods adopted by the institutions. The study will also try to identify the 'enablers' or supporting mechanisms that influence and facilitate the process of creative and innovative teaching and learning.

**Keywords:** *AQAR, NAAC, Creative Learning Methods, Higher Educational Institutions*

## DIGITIZED EDUCATION AS AN AID TO COHERENCE

Gouri Gayathri

I MA English, St. Thomas College, Pala  
gourigayathri1998@gmail.com

Education plays a pivotal role in the place of economic growth of nation. Education is in the state of transition. The old method of teaching is being called into questions and a new method of learning is being advocated to replace it. Effective teaching does not solely revolve around getting a bulk of knowledge into the learners. It digs deeper and deeper into the technicalities ensuring that the teaching is completely based on assisting and helping the learners progress from one level to another one. Education system creates hope and is never aimed at just creating hypes. Technology has seized the schools, work places and even our homes. With the development of internet, mobile phones, laptops etc things are becoming more and more digitalized today.

**Keywords:** *Digitised Education, Technology, Effective Teaching*

## Effectiveness of Mobile Learning in Higher Education Based on Social Cognitive Theory

Surumi Salim, Assistant Professor  
Bhavan's College of Arts and Commerce, Kakkanad.  
Email: noor.alwayz@gmail.com

For college students, the availability, convenience and no cost of mobile applications present new opportunities to fit learning into their busy lives outside class. This study investigated the effectiveness of mobile learning among college students in higher education. Mobile learning (m-learning) refers to the use of mobile technologies for educational purposes. These devices can offer learning opportunities that are: spontaneous, informal, contextual portable, ubiquitous, pervasive and personal (Kukulska Hulme et al, 2011). Thus, as Pilling - Cormick and Garrion (2007) explains, learners take primary responsibility and control of their learning process, including setting goals and evaluating outcomes. They are no longer the passive recipients of education, but consumers making choices in the learning market.

As we consider learning for the future, it is crucial to partner with students to build a picture of emergent technology practices beyond our classroom and institutions. The paper describes a conceptual model based on social cognitive theory, which explains how the performance of learning became effective with mobile applications like Byju's and Khan Academy. Key discussions focused on the role of mobile

applications in promoting consumption, collaboration and creating seamless learning space. Mobile devices were seen as enhancing student motivation with empirical evidence of improved student learning also. Challenges include the need to carefully manage the technology, ethical issues in its use, and staff roles in its deployment. Pedagogically grounded and adequately contextualised professional development was seen a vital for time poor staff, while a desire to set up a professional community of practice was widely expressed.

**Keywords:** *Mobile Learning, Collaborative Learning, Technology in Education, Social Cognitive Theory, Mobile Applications*

## **To Be or Not to Be; Is That the Question? A Critique of Teacher Beliefs in Continuing Professional Development**

Karthika V.K., Assistant Professor, VIT-AP, Amaravati  
Email – karthika.vk25@gmail.com,

Continuing professional development (CPD) is a life-long process where the teachers as professionals update their knowledge and skills and develop further as a better human being and as a better teacher. However, when it comes to ESL teachers' CPD, there are many challenges that the teachers come across. These issues that they face may emerge from the academic context, personal front or from the institutional realm. To tackle such challenges and to carry on with their own professional development, the teachers have to take painstaking efforts. This paper presents certain challenges that a group of language teachers, from a private school, encounter and it also documents their awareness of and attitude towards CPD. This small scale research was carried out during a workshop that I conducted for secondary school teachers from a particular private group of institutions. There were 45 participants aged 25-51 years. This qualitative study made use of data obtained through interviews and interaction with the teachers during the workshop. The analysis of the data revealed that most of the teacher-participants were unaware of the importance of CPD and the very need of it. It also threw light on the practices that they undertake to contribute to their professional growth, although not being aware of these as CPD activities. The paper also documented the action plan that these teacher-participants designed after the workshop. This study has implications for teachers and teacher educators as it points towards the need of creating a new awareness regarding the importance of continuing professional development.

**Keywords:** *Continuing Professional Development, ESL, Attitude, Beliefs, Motivation*



## **The Impact of Technology in Digital Learning system**

Renson John, Assistant Professor, P.G Department of Commerce,  
Christ College(autonomous), Irinjalakuda  
E-mail : rensjohn1988@gmail.com

Digital learning is defined as learning through digital devices such as computers, tablets, or smart phones over the Internet. It is also known by other names, such as virtual learning, online learning, e-learning, distance learning, or continuing education. Digital learning was first introduced as "Computer Assisted Learning Center" in 1991. The first online course was introduced by "Computer Assisted Learning Campus" in 1994, in which students can take courses over the web . Michael Chasen and Matthew Pittinsky founded Blackboard in 1997. In 1999, Blackboard, SmartThinking and e-campus became popular among different universities around the world. Between 2002 and 2008, there was an increase in students taking online courses by 187%. In the year 2009, total number of students who were taking web-based curriculum was 5.5 million. This statistic shows that the online learning trend is on the rise each day. Some of the advantages of digital learning are providing a flexible way of education from anytime, anywhere and any place where Internet connection and computers is accessible. It is also an affordable way of learning which reduces travelling cost for coming to classrooms. Students can take the exams and quizzes over the web; even they can submit assignments over the Internet. Instructors can provide all the materials online which in turn no cost for paper and printing. Ernst & Young University had 35% cost decrease because of virtual learning.

***Key Words: Digitalization, Phishing, Synchronization, Virtual learning***

## **MEMES AND TROLLS: AN EFFECTIVE TOOL FOR SLOW LEARNERS IN ELT CLASS ROOMS**

Shinto V. P, Assistant Professor,  
Dept. of English Christ College, Irinjalakuda  
& Rose Merrin

English language teaching and learning is ever becoming and ever evolving. From the very day its pioneers introduced it as a subject of learning in educational institutions, they have been employing instructional approach to teaching and learning of English language. This resulted in novel ways of experimentation in this field. As result, there came to be number of methods of teaching and learning of English language in class rooms. With the advent of digital learning, internet and Computer assisted Language Teaching (CLT) there was a revolution in the field of language learning. Experiments were conducted in this field and this approach was found to more effective than any of the existing methods of language teaching and acquisition due to its novel ways of presentation and instruction. The impact of this revolutionary method of teaching English language found more receptivity in countries where English was taught as second language. Every English classroom became a lab to test and find easier methods to teach and learn English language with the help of digital smart class rooms. As a result, many newer forms of learning evolved. These experimental methods did help students both studious and vulnerable. The latest experiment in this regard is the employment of internet trolls in English Classrooms as a tool to teach and learn language especially slow learners. Today, in this busy world of Internet, memes provide easy and effective ways of entertainment and education.

***Key words: Trolls, ELT, Experiment, Slow Learners, Class room***

**MODERN TEACHING TECHNIQUES IMPROVES EDUCATIONAL  
PROCESS: A THEORITICAL ANALYSIS**

Nemat Sheeren S., Assistant Professor  
School of Legal Studies, CUSAT  
nematsheerin3@gmail.com

The modern world education system has to face lot of challenges. Effective teaching and learning methods are the prime requisite of this system. Selection of best suitable teaching procedure is usually difficult due to the complexity of pedagogical situations and random nature of individual particularities. The present education system emphasis equal importance to research aptitudes and teaching quality. The study point out the relevance of adoption of various teaching methods to improve the quality of education. Reviews point out that a good teaching method helps the students to question their preconceptions, and motivate the students to learn, facilitating them to answer their views and also act as the agents of responsibility for change (Nahid & et al, 2016). The engagement of the students can be analyzed by measuring their degree of attention, curiosity, interest, optimism and passion. When students are engaged with the lesson being taught, they learn more and retain more. Students who are engaged in the work tend to persist more and find joy in completing the work. The study analyses the present scenario of teaching and the adaptable techniques of teaching to facilitate maximum efficiency, reducing the distractions and deviations of the entire student community.

**Keywords : Teaching Techniques, Education,  
Learning Process, Technology**

**Paper Presentations II**

*Session Co-ordinators:*

**Dr. Suby Baby &  
Dr. Shibin Mohanan**

*Chairperson:*

**Dr. Giji K. Joseph**

*Co-Chair Person*

**Dr. Vinod K. V.**

## **TROLL"IFIC - THE NEW TERRIFIC IN CLASS ROOMS**

Ms.Indu Peter, Assistant Professor, K.E. College, Mannanam  
E-mail : ip.cancer@gmail.com

Trolling is an internet discourse which sows discord in the online space by posting inflammatory messages that target at anything and anyone. While an internet meme is a piece of culture, typically a joke, which gains influence through online transmission. These modes junk humor is often seen as an anomaly in the cyberspace as they lulz up at the expense of somebody else. Unlike posing a nuisance, these posts which are placed in the nostalgic background of old and new movie scenes have the ability to elicit laughter and touches a nostalgic chord in the hearts of audience. These laughs are often accompanied by thoughts. Therein lies the often unexplored power of the trolls.

This paper throws light on how these simplistic depictions devoid of sophistications can be used as a prolific tool in classes. Students always find cartoons and graphical depictions on the theories more enjoyable than hard-hitting written variations of the text. As we acclimatize the memes and trolls to a particular theory or norm that is altogether different, the original idea can be driven home into the minds of the students with ease. The tinge of humor can do wonders in classes as they appeal to the curiosity and interest of the wards.

*Key Words: Memes, Troll, Public Space, Teaching-learning Process, Junk Humour*

## **Learning and E-learning: A Primer**

Dr. Stephen Mathew, Assistant professor, St.Stephen's college ,  
Uzhavoor & Rinu Raju, St. Thomas College of  
Teacher Education, Mylacompu, Thodupuzha  
E-mail: rinuraju1993@gmail.com

According to Smith, Learning is the acquisition of new behaviour or the strengthening or weakening of old behaviour as a result of experience. We learn a lot in our day to day life. Academical learning is of great significance in the present scenario owing to the growing competition in getting employment. Companies are in constant need of proper academically qualified individuals in carrying out their jobs. Learning is possible at anywhere, anytime without a particular format. Learning may be formal or informal and learning is habitual and life long process. If learning is acquired through any type of electronic media or gadgets is called e-learning or online learning. In other words, learning is takes place over the internet. Online learning has flourished over the last few years. A learning platform is an integrated set of interactive online services that provides the teachers, learners, parents and others involved in education with information, tools and resources to support and enhance educational delivery and management. The concept of acquiring education through schools and other institutions has undergone some dramatic changes and online education is being taken up by many students. There are many online platforms available which provides an alternative for the typical institutional based education. This paper mainly focuses on describing the various types of e-learning platforms, its advantages and disadvantages, its effect in the present scenario, and its future implications on the current educational system.

*Key words: Formal Learning, Informal Learning, Elearning*

## **Necessity of Outcome Based Education in Our school system**

Riyas Rasheed, II year, B.Ed English, University of Kerala  
Mail id : rriyasrasheed@gmail.com

The final goal of education isn't to achieve mere a graduation or certificates. Moreover, that certain progress and development must be taken place in a student's life. Here the necessity of outcome based education in our school system laid down. As per Tucker, "Outcome based education (OBE) is a process that involves the restructuring of curriculum, assessment and reporting practices in education reflect the achievement of high order learning and mastery rather than the accumulation of course credits". OBE was successfully practiced on somany places like Australlia , Europian Union, Hong Kong , Malaysia, South Afriaca and also in India, but in certain cources. In school system, there is a tendency for completing matriculation to acquire an eligibility certificate for higher studies. Outcome based education will help to nourish the excellence of the pupil and upgradation of the standard must take place along with academic brilliance according to their learning stage. Language skills, mental ability, attitude building, character moulding and general awareness in basic knowledge all these can be constructed in a student by using objective based education. This paper tries to discuss about the necessity of outcome based education in our school system, its possibilities and drawbacks.

**Key words:** *Language Skills, Mental Ability, Attitude Building, Assessment and Reporting Practices*

## **Digital Education: Highways of Personalised Learning**

Deepak Johns, I MA English, St. Thomas College, Pala  
E-mail : deepakjohns1997@gmail.com

Today the world is changing very fast. In such a rapid change, we should equip ourselves to acquire these changes in all levels of our lives. Education helps us to bring good aspects of changes in our society. So clearly, we should bring standard changes in the concept and consumption of education too. Nowadays, we use technology in almost every field of our lives. With the strong integration of technology and education, we can bring better and easy outcomes from classrooms. In a competitive world, we need 'smart-work', rather than hard work, and there we have the importance of 'Digital Education'. In a digital world, we should have the very knowledge of technologies and its operations. Digital Education involves the practice of both teaching and learning, using any aids of technologies. The most powerful advantage of Digital Education is that, personalised learning is very much easier. Now, with the help of Digital Education we are able to shatter the constructed norms of classroom lessons. So, we are able to learn anything for anywhere, irrespective of place and time. Digital Education is a wide platform for learning, because we have many digital tools such as smart classes, online teaching systems and so on. Every day we consume the fruits of Digital Education, knowingly or unknowingly. In our present day educational system, Digital Education has many things to do.

**Keywords:** *Digitalisation, Learning, Technology, Digital Education*

## **Effective Learning Management System – A Review**

Rashmi S, K Tejaswini, Abhishek Gowda R  
Dept. of Industrial Engineering and Management,  
JSS Academy of Technical Education,  
Visveswaraya Technological University, Bangalore – 560060  
Email:rachel.s.81@gmail.com

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Considering the endless source of learning through mobile technology and social media with thousands of applications and platforms available, online has become a substitute for study materials and reference books. This leads to space for different ways of mingling, perception, sentiments etc., making the students more dynamic in learning. Learning management system (LMS) provides a platform for enriched discussion, enlarged engagements and vast connections. LMS brings learning, knowledge sharing at the finger tips making their jobs easier and convenient. LMS is also an upper hand for teachers as it instantly gives the feedback of the student's learning process. There are varied models proposed by various researchers from the literature. This present paper will review and compare various learning models to determine a better learning model which benefits the student-teacher learning process for the current scenario.

**Keywords:** *Online Teaching, LMS, Learning Process, Social Media, Mobile Technology*