



Dr. Kaushik Das

B.Sc. (Mathematics), M.Sc. (Mathematics),
B.Ed., M.Ed., Ph.D. (Mathematics)
State Aided College Teacher
Department of Mathematics,
Gobardanga Hindu College, 24 Parganas (N),
West Bengal, India

Dr. Kaushik Das is working as State Aided College Teacher at the Department of Mathematics, Gobardanga Hindu College. He also completed Doctoral Degree (Ph.D) in Pure Mathematics. He was the center Assistant Coordinator at N.I.O.S.-D.El.Ed.Studycenter under North 24 parganas district, W.B. He has given special lectures on various topics in more than 20 colleges. He has published more than 45 Research Publications in different National & International Journals and written many articles in edited books. Also, he has 6 years working experience and 8 years research experience. He has presented more than 15 papers in several National/International Conferences/Seminars. He authored 3 edited books on educational issues. He is a reviewer of some international journals. He is actively associated with several teaching-learning and research-oriented works in higher education and his main research interest on Pure Mathematics, Applied Mathematics, Mathematics-Education, Teacher-Education, Science Education, Philosophy of Science and ICT.

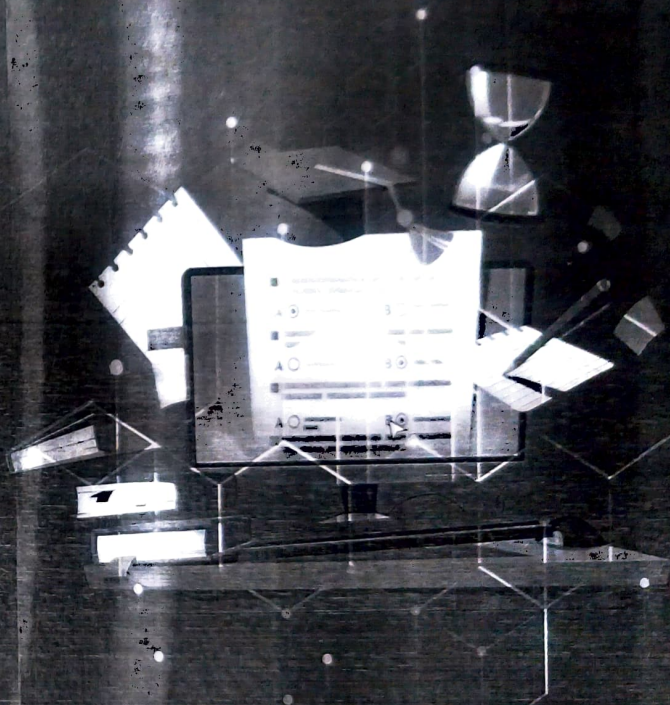


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Information Communication Technologies to Facilitate Teaching and Learning in Teacher Education



Dr. Kaushik Das

the country. The advent of new ICT - based learning tools such as smart boards, MOOCs, tablets, and laptops, etc. has transformed the way education is being imparted in schools and colleges. I would like to thank all the authors for their great contribution. I hope that this collection of scholarly articles will be fruitful for researchers, professors, academicians, teachers and students in these areas and this entitled edition will show a new direction for further research. Thanks due to all well-wishers for their wholehearted endeavour and kind cooperation in the successful completion of this book. Special words of thanks are due to all well-wishers for their kind co-operation in the successful completion of the book. I am thankful to my parents for their blessings and all family members for their inspiration and continuous support. I am thankful to all my friends for giving their opinion and suggestion on the book. I'm thanks to the publisher Alpana enterprise Publishers for publishing this book within his hasty hours any valuable suggestion from distinguished professors, teachers, and learners in this field would be highly solicited.

Dr. Kaushik Das

Gobardanga Hindu College

Department of Mathematics

Dist- 24 PGS(N)

West Bengal, India - 74327

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- [2] Dedun, K. 2013; A study of teacher's attitudes towards use of ICT in classroom of secondary school of sabarkantha district, GRA Global Research Analysis, 2(3): 63-64.
- [3] Kumar, P. T. 2010; Study on Type of Institution, stream and locality on attitude of teacher educator towards teaching ICT, Research journal of philosophy and social sciences, V-xxxvi, N-2, July, Meerut, U.P.
- [4] Niraj 2012; ICT enabled ruler education in India, International journal of information and educational technology, 2(5): 47-50.
- [5] Taylor, D. P. 2000; Developing powerful learning communicates using Technology, AACTE Briefs, 21(14):4-5.
- [6] Watson 1998; ICT awareness use and need of secondary and higher secondary Teachers of English medium school of Vadodara city, CASE, MSU, Brada.
- [7] Yuen and Ma 2002; Gender differences in teacher computer acceptance; Journal Of technology and teacher education, 10 (3): 365-382



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Blended learning: A Revolutionary Change in the Era of Digital Education, the New Normal

Amrita Mukherjee

Abstract :

ICT or the new age technology changed the way of acquiring knowledge, as it makes education more accessible to all. Education has undergone a revolutionary change and that gives birth to a new-age blended mode of learning. As per the UNESCO website report, over 190 countries faced disruption in the traditional learning process that impacted nearly 1.5 billion learners at the same time. As per the same report, about 320 million learners face the same problem in India alone. ICT-based blended learning is an innovative approach that combines traditional and ICT-supported learning, including both offline and online learning. It also provided the scope for collaborative learning and CAI (computer-assisted learning). The practical implementation of blended learning needs rigorous efforts, a proper attitude, highly motivated and well-trained instructors, and active students for success. It is a difficult task to organize and implement, as blended learning provides a diverse outlook and breaks the traditional methods of learning. In the Indian educational system, the scope and usage of active blended learning are still far to achieve. As covid 19 forced the requirements of social distancing, its outcome hits very badly especially in the education sector, as teachers and students faced diverse challenges, to continue quality education gives the rise to the e-learning virtual classroom of ICT based learning. Blended learning not only improves the quality of