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**INTERNATIONAL CONFERENCE ON
"RECENT TRENDS IN TECHNOLOGY AND
ITS IMPACT ON ECONOMY OF INDIA"**

ICRTTIEI-17

ORGANIZED BY:

**GURU NANAK COLLEGE FOR GIRLS, SRI MUKSTAR
SAHIB, PUNJAB (INDIA)**

**AFFILIATED TO PUNJAB UNIVERSITY, CHANDIGARH
GOVERNED BY SHIROMANI GURUDWARA PARBANDHAK
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Editors

DR. JASJEET KAUR

MRS. SHAVETA DARGAN

Chief editor

DR.(MRS) TEJINDER KAUR DHALIWAL

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Preface

Conference World and AR Research Publication is fast growing group of academicians in Engineering, Sciences and Management. AR Research Publication is also known for fast reply and zero error work. Conference world has organized a various conferences at renowned places namely Delhi University; New Delhi, Jawaharlal Nehru University; New Delhi, PHD Chamber of Commerce and Industry New Delhi, YMCA New Delhi, India International Centre New Delhi Sri Venkateswara college of Engineering and Technology, Andhra Pradesh, Dhananjay Mahadik Group of Institutions (BIMAT), Shivaji University, Maharashtra, Vedant Engineering Kota and many more places across the country.

We are very pleased to introduce the proceedings of the *International Conference on "Recent Trends in Technology and its Impact on Economy of India" (ICRTTIEI-17)*. As for previous conferences, the theme was the link between the information provided by conference world and the use made of this information in assessing structural integrity. These were the issues addressed by the papers presented at the conference. The level of interest in the subject matter of the conference was maintained from previous events and over 89 suitable papers were submitted for presentation at the conference.

Papers were well represented in the conference to arouse a high level of international interest. Three countries were represented in the final program from Europe, North America and Asia. In the event, the conference was highly successful. The presented papers maintained the high promise suggested by the written abstracts and the program was chaired in a professional and efficient way by the session chairmen who were selected for their international standing in the subject. The number of delegates was also highly gratifying, showing the high level of international interest in the subject. This is also indicated by the large number of countries, 01 represented by the delegates. This Proceeding provides the permanent record of what was presented. They indicate the state of development at the time of writing of all aspects of this important topic and will be invaluable to all workers in the field for that reason. Finally, it is appropriate that we record our thanks to our fellow members of the Technical Organizing Committee for encouraging participation from those areas. We are also indebted to those who served as chairmen, without their support, the conference could not have been the success that it was. We also acknowledge the authors themselves, without whose expert input there would have been no conference. Their efforts made a great contribution to its success.

About Conference

International Conference on Recent Trends in "Technology and its Impact on Economy of India" is a global event organized by Guru Nanak College For Girls, Sri Mukstar Sahib (Sahib) & Conference World. This conference provides an international forum for researchers, developers, engineers and practitioners who are involved in real time projects that provide solutions to exchange their valuable ideas and showcase the ongoing works which may lead to path breaking foundation of the futuristic engineering. It accentuates indispensability of interdisciplinary and cross – linked thinking with respect of innovation and market opportunities. All the accepted paper will be published in International Journal with ISSN & Conference proceeding having ISBN without any additional fee.

About Guru Nanak College

Every institute is different from others because of its outer look and inner nature. Guru Nanak College is distinct because of its rich heritage, vibrant present and very bright future. The college is touching new heights in academics, sports and cultural activities but it is on firm ground because of its essential spiritual nature. It is serving society because of its multidimensional teaching process.

The institution was started under the patronage of S. Parkash Singh Badal, CM, Punjab feeling the dire need of women education in this backward region of Malwa. In the inception under the guidance of mature and astute leadership of S. Parkash Singh Ji Badal it started showing its potential very early.

In the year 2000 it was taken over by the S.G.P.C, a supreme religious authority of the Sikhs. Affiliated to Panjab University, Chandigarh, the college is situated in the Southernmost part of Sri Muktsar Sahib in the vicinity of historical Gurudwaras Sri Tibbi Sahib, Sri Rakab Ganj Sahib and Sri Datansar Sahib. College campus, sprawled over 14 acres, has a peaceful and pleasant environment.

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Total 203 papers were received for the conference and 89 papers were shortlisted by the committee.

All the accepted and presented papers of the duly registered authors will be published in the UGC Approved International Journals

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