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8th International Conference on
Recent Trends in Engineering,
Science and Management

ICRTESM-17



Pyramid College of Business & Technology,
Mehtan, Phagwara, Punjab
Affiliated with I.K.Gujral Punjab Technical
University (PTU) Kapurthala (India)

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Dr. Rachit Garg

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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 *8th International Conference on Recent Trends in Engineering, Science and Management (ICRTESM-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 67 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, 04 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.

Proceeding of the conference has been published with **ISBN: 978-93-86171-44-3**

Pyramid College of Business & Technology, Mehtan, Phagwara, Punjab Affiliated with I.K.Gujral Punjab Technical University (PTU) Kapurthala (India) is helping students gain theoretical and working knowledge. It has been successful in adopting innovative educational tools in education for preparing the students to meet the challenges. Such a profuse result is the hosting of a “*8th International Conference on Recent Trends in Engineering, Science and Management (ICRTESM-17)*” held on **6th May 2017**.

Total 143 papers were received for the conference and 67 papers were shortlisted by the committee.

About College

Founded by the PYRAMID Group, Pyramid College of Business and Technology offering undergraduate & postgraduate courses in commerce, Business Studies, Computer Applications, Animation & Multimedia, Hotel Management. The college has been founded with the objective of a Foundation for Life in higher education by creating a world-class teaching and learning environment. The Pyramid College of Business and Technology has well equipped campus on the Jalandhar-Delhi G.T. Road NH-1, Mehtan, Phagwara, Punjab-144401.



Pyramid College of Business and Technology is engaged in creating, preserving and imparting internationally bench marked knowledge and skills to a diverse community of students. The Pyramid Group includes Pyramid e-services – largest immigration company in north India. Pyramid College of Business and Technology is affiliated with I.K.Gujral Punjab Technical University (PTU), Kapurthala.

Pyramid College of Business and Technology's unique learning environment will nurture the spirit of enquiry, creativity, problem solving, entrepreneurship and innovation. This will ensure that Pyramid College of Business and Technology students are transformed into well-rounded, industry-ready individuals, who are equipped to take on leadership responsibilities from day one and ensure a smooth transition to the workplace.

Founders



“Hearty welcome to all the students in the portal of Pyramid College.

Through this institute imbibes the legacy of GNA-IMT but apart from the bequested legacy the Pyramid College of Business and Technology is being established with an earnest aim of creating a model which will be the life line of learning and intellectually formidable powerhouse for the cadre of motivated and progressive individuals.

I strongly believe that such individuals will become catalyst of change for the society. I myself being an educationalist, imparted education for 38 long years in the renowned institutes of the region, earnestly believe that missionary zeal and visionary approach of the founders along with the dedicated staff can work wonders for the transformation of the society.

I believe that educational system should be universal and provide shape towards a new world order. Pyramid College of Business and Technology pledges to provide Hi-tech science labs, state of the art computer labs supplemented with dedicated lease lines and internet connections. There is arrangement of comfortable hostel for boys and girls with vast and well maintained play grounds.

We promise to make this institute different from other institutes by creating an environment and introduce such courses and streams where students will be able to pursue their dreams of settling and studying abroad in countries like Canada, Australia and New Zealand. With this aim this institute has already signed MoUs with various colleges and universities abroad.

Hope your dreams are fulfilled when you step into the portals of Pyramid College of Business and Technology.”

Prof. Jatinder Singh Bedi
Chairman
Pyramid College of Business and Technology

From the Vice Chairman's Desk



Our vision is based on hard work, self-motivation, research and problem solving skills sets that aim to imbibe our students with value based education. We attach strong emphasis to team work and high level of responsibility to impart Quality Education, “A Foundation for Life”. This visionary culture enables overall development of individuals and cultivate in them, the responsibility towards the society and the nation as a whole.

Any institution worth its name looks to optimize the productivity of global leaders. To this aim, we firmly believe that learning should be based on doing things and not merely knowing things. Until and unless learning solutions relate to real life and motivate the learner to apply the acquired knowledge, the whole process will remain superficial. Our institution has set specific objective and planned activities for achieving excellence in all spheres of education.

I also understand the need for the students to feel at home in the college environment. Both the teaching fraternity and the management are amiable and affectionate, yet they make the students disciplined individuals such that success is always on their side. All amenities like computer labs with Wi-Fi facility, Digital library and Laboratories, Transport, Medical facility etc. function in full swing to make the students perform well. Added to his, to encourage sports and extra-curriculum activities among the students, we are offering various facilities.

Pyramid College of Business & Technology gives utmost priority to placement. We have a strong placement cell whose major responsibility is to provide to its students excellent job enhancement training to get easily placed in different sectors. Wishing you all the best for your future endeavors!

Mr. Bhavnoor Singh Bedi
Vice Chairman
Pyramid College of Business and Technology

From the Director's Desk



PCBT has the distinction of being the first internationally recognized B-School. We have constantly endeavoured to grow and develop our network around the globe. As a result, the Institute has collaborative partnerships with leading colleges and Universities in several regions of the world. The international relations at PCBT encompass a gamut of interest which includes executive education, faculty and student exchange and other collaborative initiatives. In the emerging highly competitive world, there is obvious need to produce dynamic minds that can adapt to the changing scenario and complex situations and are innovative enough to face the diverse challenges effectively. Our vision is to create future leaders who manage and create powerful organizations in the emerging corporate landscape.

Pyramid College of Business & Technology is truly emerging as the nurturing ground for leadership. It is becoming synonymous with practical, industry-focused education and is attracting students across the globe. Since the mission of the Institute is to impart quality education, it constantly strives to attract good faculty, good students, provides good infrastructure and purposeful supportive environment. There can be no half measures when it comes to quality. We spare no effort to inculcate the quality philosophy into our students because it is our students who make a difference; it is quality that gives an edge. With students fired with determination to excel, a competent and dedicated faculty, meticulously designed curriculum delivery mechanism and the best infrastructure, the Pyramid College has grown to be a reckoning force in the area of education.

I warmly welcome the aspiring students into the PCBT fraternity. I hope students shall have a tremendous learning and joyful time at PCBT.

Dr. Rachit Garg
Director
Pyramid College of Business and Technology

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All the accepted and presented papers of the duly registered authors will be published in the following international journals

- ② International Journal of Advance Research in Science and Engineering (IJARSE, ISSN-2319-8354) [www.ijarse.com]
- ② International Journal of Advance Technology in Engineering & science (IJATES, ISSN-2348-7550) [www.ijates.com]
- ② International Journal of Science Technology and Management (IJSTM, ISSN-2394-1537) [www.ijstm.com]
- ② International Journal of Innovative Research in Science and Engineering (IJIRSE, ISSN- 2454-9665) [www.ijirse.com]
- ② International Journal of Electrical & Electronic Engineering (IJEED, ISSN-2321-2055) [www.ijeed.co.in]

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