®

THAKUR TRUSTS

tcet

THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY

Estd. in 2001

Conferred Autonomous Status by University Grants Commission(UGC) for 10 years w.e.f. A.Y. 2019-20

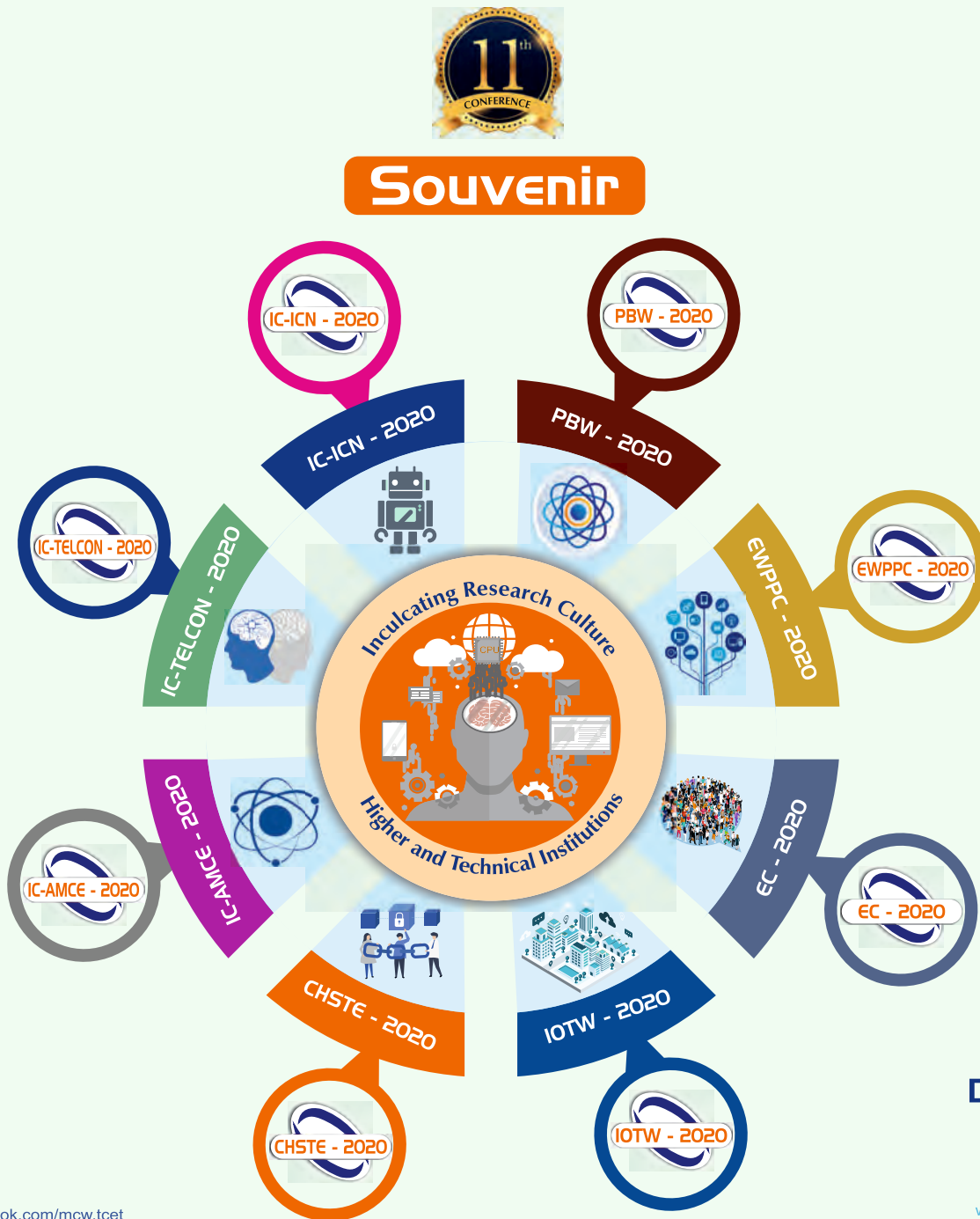| ISO 9001:2015 Certified Institute | NBA Accredited Programs | NAAC Accredited Institute with 'A' Grade | AICTE-CII Survey rating in Platinum category for Industry linkages | Amongst Top 200 Colleges in the Country Ranked 193rd in NIRF India Ranking 2019 in Engineering Category | 68th & 78th in All India Rank by Outlook survey published in June 2019 & May 2018 respectively |

11th CONFERENCE

Souvenir

MULTICON-W 2020
A platform for Multiple Conferences and Workshops

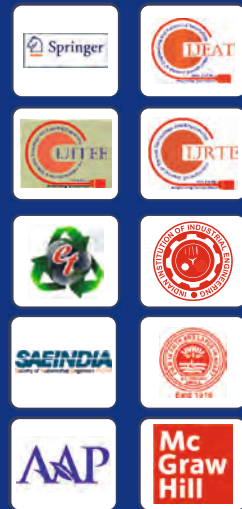February 28th & 29th 2020, Friday & Saturday

I2I 2020
Invention & Innovation

IC-ICN - 2020

PBW - 2020

IC-TELCON - 2020

EWPPC - 2020

Inculcating Research Culture

IC-AMCE - 2020

EC - 2020

Higher and Technical Institutions

CHSTE - 2020

IOTW - 2020

Dr. B. K. Mishra
Programme Chair

www.facebook.com/mcw.tcet

www.twitter.com/multiconw

Zagdu Singh Charitable Trust's (Regd.)

THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY

Autonomous College Affiliated to University of Mumbai

Approved by All India Council for Technical Education(AICTE) and Government of Maharashtra

A - Block, Thakur Educational Campus, Shyamnarayan Thakur Marg, Thakur Village, Kandivali (East), Mumbai - 400 101

Tel.: 022-6730 8000 / 8106 / 8107 Telefax: 022-2846 1890 • Email: tcet@thakureducation.org

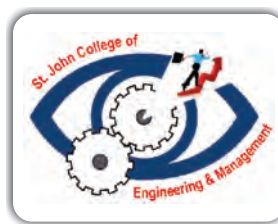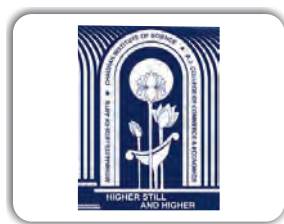• Website: www.tcetmumbai.in • www.thakureducation.org

Vision

"Thakur College of Engineering and Technology
will excel in Technical Education to become
an internationally renowned premier Institute
of Engineering and Technology"

Mission

"To provide state-of-the-art infrastructure and
right academic ambience for developing professional
skills as well as an environment for growth of leadership and
managerial skills to students which will make them competent
engineers to deliver quality results in industry"

MULTICON-W 2020

2020 Invention & Innovation

- A platform for Multiple Conferences and Workshops

Technocrat Partner Institutes

timsr — THAKUR INSTITUTE OF MANAGEMENT STUDIES & RESEARCH (2002)

HIGHER STILL AND HIGHER

St. John College of Engineering & Management

PRIYADARSHINI COLLEGE OF ENGG. NAGPUR

Other Partners

FREE PRESS — The Voice of Mumbai
Print Media

CARNIVAL
Cinema

IIDE — INDIAN INSTITUTE OF DIGITAL EDUCATION

Collaborators

Springer

IJEAT

IJITEE

IJRTE

INDIAN INSTITUTION OF INDUSTRIAL ENGINEERING

SAEINDIA — Society of Automotive Engineers INDIA

AAP
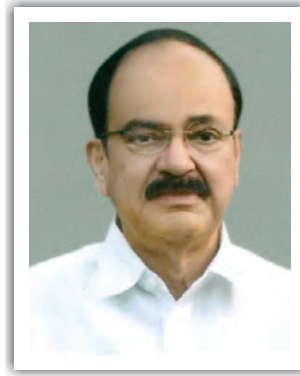
Mc Graw Hill

Contents

Messages

डि. प्रशांत कुमार रेड्डी, भा.प्रशा.से.
D. Prasanth Kumar Reddy, IAS

भारत के उप-राष्ट्रपति के निजी सचिव
PRIVATE SECRETARY
TO THE VICE-PRESIDENT OF INDIA
नई दिल्ली/**NEW DELHI - 110011**
TEL.: 23016344 / 23016422 FAX : 23018124

MESSAGE

The Hon'ble Vice President of India is happy to know that Thakur College of Engineering & Technology (TCET), Mumbai, is organizing its 11th Annual International and National Conferences and Workshop, "Multicon-W 2020", from February 28 – 29, 2020.

The Hon'ble Vice President extends his greetings and congratulations to the students, teachers and the staff of the college and wishes the event all success.
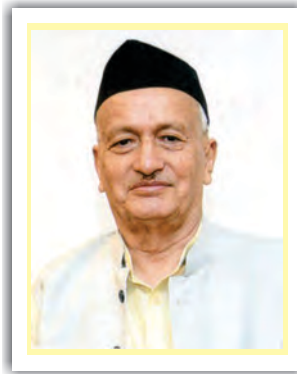
23/1/2020

(D. Prasanth Kumar Reddy)

New Delhi
23rd January 2020.

3

BHAGAT SINGH KOSHYARI

GOVERNOR OF MAHARASHTRA

सत्यमेव जयते

RAJ BHAVAN
Malabar Hill
Mumbai 400 035
Tel. : 022-2363 2660
Fax.: 022-2368 0505

17 January 2020

MESSAGE

I am pleased to know that the Thakur College of Engineering & Technology Kandivali (East), Mumbai is organizing the 11th Annual International and National Conferences and Workshop, MULTICON-W 2020 during February 28-29, 2020.

I wish and hope that MULTICON-W 2020 will serve as a useful platform for academicians, researchers and professionals in the relevant discipline and domains to present their research contributions and share their ideas. The event promises to be a rewarding experience for the delegates, faculty and students.

I congratulate the College for organizing MULTICON-W 2020 and wish the participants fruitful deliberations.

(Bhagat Singh Koshyari)

Chairman's Message

A very warm welcome to all the participants in 11th edition of International conferences and workshop- Multicon-W 2020. A platform for multiple conferences and workshops provided by one of the well known technical autonomous institute-Thakur College of Engineering and Technology (TCET).

Research and development is the backbone of every industrial development. Industries and institutions which invest in R&D will survive the competition generated by globalization. The future of R&D is inching faster towards innovation and digital solutions, and has an important role in improving the environmental performance of industry–an important element in sustainable development. Therefore, to understand, upgrade and implement recent technologies in education sector, there is a need to constantly organize various events like seminars, conferences and workshops in collaboration with institutes, industries and government for all stakeholders.

Therefore, the platform initiated by TCET in the form of Multicon-W 2020 will definitely provide an opportunity to long-term research planning for a sustainable future and better investment in research and education to speed the transformation from a resource to a knowledge-based society. I believe this conference will give a boost to decision and policy-makers, academicians, technocrats and educators.

I congratulate all the participants and delegates and assure you that TCET will provide the best academic ambience, hospitality and state-of-the-art infrastructural facilities. I am sure that the time spent by you all at TCET will be worth-remembering.

V. K. Singh
Chairman

Secretary's Message

Research begins with an enquiry and ponders rationally over that particular issue in order to find a solution with a reasonable reason. In fact, once concluded solution may not a final one, probably that is why it is said that research is never ending process. Research is an integral part and effective means to upgrade the academic curriculum as well as technology. It plays a vital role in the context to sustain in the competitive world. The innovative research and workshops imbibe critical thinking among the stakeholders. It gives us insights for the betterment.

Researchers' get together at one platform give them a space to exchange their ideas on fields of interests which seeds the links for future collaborations across the world. It is also an opportunity to build networks with other academics and experts in the same or similar field of studies all around the world and to share thoughts on recent advances and technological breakthroughs. In today's fast changing world, attending a conference has become a "must" to survive in an academic discipline. Many academics have become aware of this fact as the number of conferences and participants increase dramatically.

To bring forth such researchers and technocrats, TCET has been taking initiative in the name of Multicon-W to develop the research culture among all the stakeholders. It has been conducted by TCET since 2010, which is a sincere effort to bring together technocrats and academicians in order to ponder over research and recent trends in technology. The institute organizes it as an annual event. It gives a platform to come up with innovative research ideas. Many research aspirants present their research with viability and sublimity of different issues. Multicon-2020 is an eleventh edition having four international and national conferences and three workshops. I am very sure that this research event will be fruitful for all stakeholders.

I wish all the best to the research aspirants!

Karishmma VM

Mrs. Karishmma Mangal
Secretary

CEO's Message

It gives me an immense pleasure to welcome you all to Multicon-W 2020, the 11th International and National Conferences and Workshops of Thakur college of Engineering and Technology (TCET). As an academic institute, TCET plays a leading role in facilitating the exchange of information and furthering education by coordinating workshops, seminars and conferences from 2010 in the form of ICWET.

Research is an opportunity to present one's new ideas and thinking to the next generation which is an essential part of a progressive organization. In the era of technological development, the rate of growth of technology has been steep. Therefore, under the umbrella of Multicon-W, the Institute provides an incomparable platform for intellectual exchanges and mobilizing the planning, execution and monitoring of scientific inquiry and action in the fields of Engineering and Technology. Every year, it brings together many scholars and researchers to discuss and share their ideas on various topics that cover well-established research agendas as well as emerging issues in the technology at large.

I congratulate all the participants and delegates and assure you that TCET will provide the best academic ambience, hospitality and state-of-the-art infrastructural facilities. I hope that the researchers and authors will contribute their valuable views and research work. I am sure that the time spent by you all at TCET will be worth-remembering.

I wish your deliberations all success!

Karan Singh
CEO

7

DIRECTORATE OF TECHNICAL EDUCATION
MAHARASHTRA STATE

3, MAHAPALIKA MARG, POST BOX NO. 1967, MUMBAI-400 001
Tel: 22641150, 22641151, 22620601, 22690602, FAX: 2692102/22690007
Internet: http://www.dtemaharashtra.gov.in   e-mail : director@dtemaharashtra.gov.in

Date : 9th January, 2020

MESSAGE

My heartiest Congratulations to Thakur College of Engineering and Technology (TCET) and the organizing committee of MULTICON W 2020!

These conferences play an important role in developing a culture of research among the stakeholders. Such conferences set the remark of significance because today technology is an integral part of everyone's life all over the world. It is very significant that an Autonomous institute like Thakur college of Engineering and Technology has been taking an initiative to organize such an international conferences since 2001, to ponder over new trends of technology which will be fruitful for the academicians, technocrats and global society.

I take this opportunity to extend my best wishes to TCET and all the delegates. I am confident that MULTICON W 2020 will provide a unique opportunity to the researchers and participants for a healthy interaction.

Wish you all the best !!

(Dr. Abhay Wagh)
Director
Directorate of Technical Education M.S.
Mumbai - 400 001

Many Congratulations and best regards to Multicon-W 2020. In the past few years Multicon has provided the best platform for multiple conferences and workshops in the field of engineering and technology. Every year this conference indeed helps students , researchers and teachers to update their knowledge about new technologies and innovations.

On behalf of Priyadarshini College of Engineering, Nagpur, as a professional partner, I take this opportunity to applaud the team of Multicon-W 2020, for all their accomplishments.

Heartfelt congratulations and Best wishes for you continued success.

Dr. M. P. Singh
Principal, Priyadarshini College
of Engineering, Nagpur
(Received via e-mail)

It gives me immense pleasure to convey my best wishes to TCET Autonomous for organizing Multicon-W 2020, 11th edition of international and national conferences and workshops. I appreciate their consistency since last decade contributing the Excellence through Multicon.

The rapid technological advancements and globalization have dramatic effects on the ways we communicate and conduct business as well as in our personal lives. Thus, the developments in technology have become a medium for social change uplifting the common lives. The conference and workshop provide a platform for all the researchers to identify the problem   areas in technology and provide solutions.

I extend my hearty greetings and good wishes to Multicon-W 2020!

Dr. Rajpal Shripat Hande
Principal, Mithibai College of Arts,
Former, Director Board of Colleges &
University Development UoM
(Received via e-mail)
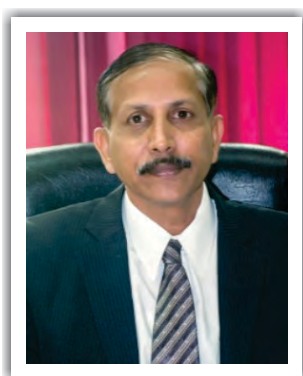
On behalf of Management and staff of St. John College of Engineering and Management, I extend my sincere congratulations to TCET Mumbai, for organizing 11th International Conference on multi-disciplinary themes of Engineering and Technology (Multicon-W 2020). I am sure that this conference will provide a forum to national and international students, academicians, researchers and industrialists to interact and involve in Research and Innovation. Such academic events benefit the students, teachers and researchers immensely and widen the horizons of their knowledge and work experience.

Our nation over the decades has made tremendous strides in social, technical and economic developments and is poised for even faster growth. Great potential exists for increasing in all frontier areas and definitely this multi-disciplinary will be one of the opportunities to everyone to share their views, discuss the practical challenges encountered and solutions.

I, sincerely appreciate the humble efforts of the Institute in providing a platform for students, academicians, researchers and industrialists to share their ideas and research outcome through the forum of this Conference.

I, give my best wishes to all delegates and organizing committee to make this event a grand success.

Dr. G. V. Mulgund
Principal,
St. John College of Engineering
and Management, Palghar
(Received via e-mail)

TIMSCDR Director's Message

It gives me immense pleasure to see the advancement of Multicon-W over the past years. From a Conference, today TCET has raised a Multicon of various faculties. The involvement of experts from various domains has enriched the event and ensured that the delegates receive the best of Research in different domains.

I congratulate Dr. B. K. Mishra, Principal, TCET for his undeterred efforts and the entire team of TCET for their dedication to bring up such a quality event.

Wishing all the delegates all the very best.

Dr. Vinita Gaikwad
Director, Thakur Institute of Management Studies,
Career Development & Research (TIMSCDR)
(Received via e-mail)

TIMSR Director's Message

The economic prosperity of the country depends mostly in its advancement in the field of technical education. The success in such a venture needs capable technical personnel, who are trained and retrained in the emerging areas of engineering, science and technology. With the globalization of economy, the technical education scenario has undergone changes which need to be discussed and debated to understood for matching the technical manpower requirements who would meet the challenges in future at international level. Convening of International Conference and National Conferences in emerging areas by the Thakur College of Engineering and Technology- Multicon-W 2020 is, therefore, a step in the direction to make open an avenue for engineers, technologists, scientists, and researchers for participation and interaction for mutual benefits.

I wish all the organizers and participants success in the venture.

Dr. Pankaj Ramesh Natu
Director, Thakur Institute of
Management Studies & Research (TIMSR)
(Received via e-mail)

11

TSAP Principal's Message

At the outset, I wish to Congratulate you and the entire team of TCET for organizing and conducting 11th Annual International & National Conferences & Workshop, Multicon-W 2020. Following is the message for the Multicon-W 2020.

The 11th Annual International & National Conference & Workshop Multicon-W 2020, has come a long way as a pioneering initiative. The initiative has grown in stature and has witnessed the participation increase multi fold with every passing year. In this era of innovation and research, Multicon-W has established its strong foothold in providing an appropriate platform that encourages, path-breaking research and explorations. The euphoria of ideas, through debates, discussions, detailed deliberations have opened avenues for various uncharted trajectories. We at Thakur School of Architecture & Planning are inspired by the outcomes. We are convinced that in the time to come, some of the pioneering researches seeded from the Multicon-W can transform the world view and shall contribute beyond the confines of nation. We wish the entire workforce of organizers, researchers and participants an inspirational journey towards serving the well being of the world wide family.

Ar. Dhiraj Salhotra
Principal,
Thakur School of
Architecture & Planning, TSAP
(Received via e-mail)

12

TPOLY Principal's Message
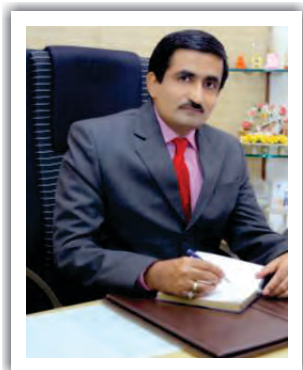
The economic development of any developing and also developed country or society depends on need based and timely application of technology, this can be achieved only through Outcome Based Quality Education and Industrial training exposure in any level of technical education. It should emphasize on fundamental principles of Engineering and its practice/applications. The Eleventh consecutive International Paper Presentation and workshop-Multicon-W 2020 is the step towards this direction. It has been providing the platform for multiple conferences and workshops for faculties and students successfully.

I take this opportunity to present in brief my views for organizing the International Technical Paper Presentation and Workshops Multicon-W 2020 at TCET. I am sure that such competitions will bring out the best from young minds assembled for the events .Their achievements will definitely bring dividends for the society as well.

It gives me immense pleasure and honor to declare that, owing to the overwhelming response for the papers and the projects from the various parts of the states, the thirst of knowledge is still growing in the upcoming generation, which is observed in the past Ten years successfully.

I would like to appreciate all the staff members for the hard work they have put for the past years and hope will continue to make such events a grand success.

I congratulate the Principal, the organizing committee, the editor and the proceeding team for always accepting the challenge of such kind and making it a grand success. I wish all the best for the very momentous occasion.

Dr. S. M. Ganechari
Principal,
Thakur Polytechnic (TPOLY)
(Received via e-mail)

Programme Chair's Message

The foundation stones of Thakur College of Engineering and Technology (TCET), an autonomous premier technical institute, are laid on the essence of academic pursuit with holistic education and excellence in technical knowledge. Excellency in any work can be achieved with utmost dedication, hard work, and perseverance for life-long learning. We, at TCET, have made this dictum our motto and our way of life in every single activity in the campus to nurture the young minds.

Francis Bacon said "Reading maketh a full man; conference a ready man; and writing an exact man". Conferences bring together people of varied experiences and provide an opportunity for everyone to share his/her thoughts and views on technical advances. Mutual participation and high quality deliberations create inspiring learning environment resulting into innovative ideas and inventions. Today's industry expects such inputs to bring home new innovations and inventions for the betterment of society.

Research and development forms the backbone of our curriculum at TCET. The faculty members and students have been engaged in various path-breaking innovative research activities all throughout the year. Every department in TCET organizes conferences workshops and seminars frequently on contemporary and relevant topics in order to facilitate research in those areas which led to necessary metamorphosis in the academia as well. I am sure that Multicon-W 2020 will inculcate the much needed research culture among academicians, researchers, scientists, industry professionals, research scholars and students, and trigger interactions among researchers to exchange the ideas of recent advances in various technical areas.

I wish the conference all the very best and urge all participants to brainstorm on the various thrust areas of the conference domains. I also wish all of you a happy experience in our campus and look forward to your participation in various events in the campus.

Dr. B. K. Mishra
Principal, TCET
Programme Chair, Multicon-W 2020

Programme Co-Chair's Message

A very warm welcome to all the delegates and participants present today for an annual event of the premier technical institute- Thakur College of Engineering and Technology-Multicon-W 2020. An autonomous institute, which has borne the mantle of excellence, committed to ensure the young minds own space to learn, grow and broaden their horizon of knowledge by indulging into diverse spheres of learning in the form of providing platform for research and innovations.

As we confront the end of the two decades in the new millennium, we must come together to share ideas and resources so we can plan and create a better future for the engineering students, faculty, and researchers. In the tight competitive universal markets of the 21st century, the leading companies in various industries have embarked on massive reorganizations, mergers, partnerships, cutting-edge technology and collaborative projects with their like-minded peers primarily to survive but ultimately to grow. As industry changes so must academia. However, academic institutions, leading journals, and conferences have been hesitant to make changes. It is the need that academia must have a major umbrella consortium to bring together groups of journals, professional organizations, and conferences to offer a global network for all of these entities to collaborate, share resources, grow and become more quality-driven.

Therefore, Multicon-W 2020 aims to bring different ideologies of invention and innovation under one roof and provide opportunities to exchange ideas face to face, to establish research relations and to find global partners for future collaboration. The themes of this conferences and workshops are indicative of relevant research areas to give the prospective authors innovative prepositions about the ambit of discussion.

We welcome you all to TCET and hope that the 11th edition of Multicon-W 2020 will act as a medium for all of us to ponder upon various technical domains.

I wish the conference a grand success.

Dr. Deven Shah
Vice-Principal, TCET
Programme Co-Chair, Multicon-W 2020

15

Programme Technical Chair's Messages

Research and development activities are of paramount importance for any institute to survive in the cutting-edge educational environment. Technical knowledge has enabled people to create new things, and therefore, many scientific endeavors have become possible through technologies which have assisted humans to transform lives.

Thakur College of Engineering & Technology (TCET) has been organizing national and international conferences regularly which provides a common platform to the researchers, academicians and students to deliberate and discuss on upcoming trends in technology. A conference of this kind assumes significance because today technology is impacting the lives of common man all over the world. It is extremely important that institution like TCET has taken up this challenge and has been investing resources in analyzing the technology trends and developing new technologies.

I congratulate all the researchers for such deliberations and wish you all the very best.

Dr. R. R. Sedamkar
Dean Academic -TCET
Programme Technical Chair,
Multicon-W 2020

Research is the key for the advancement of technology and education. It develops critical thinking and creates a new base for future studies. Conference is such an opportunity where researchers can present their new ideas and innovative thinking in order to get some insights to the next generation.

Keeping this vision in mind, Thakur College of Engineering and Technology has taken a strong step in organizing an international and national conferences and workshops annually with grand success. Multicon-W 2020 provides an exemplary platform for budding engineers and academicians to put forward their thoughts and domain knowledge to the international engineering fraternity.

I congratulate all the participants of Multicon-W 2020 for attending this event which will prove to be a source of inspiration and energy to upcoming technocrats and entrepreneurs, and definitely bring about all round growth.

Dr. Kamal Shah
Dean - R&D, TCET
Programme Technical Chair,
Multicon-W 2020

Multicon-W is a research journey to transform and to stimulate for further research in engineering, technology and holistic development of youths. It is proud and honor for TCET to serve the best recent developments in the relevant field to you through this exciting platform. As rightly said that research is never ending process; TCET has been conducting this conference since 2010 for all stakeholders in order to present new research ideas for shaping their career.

We are firmly committed to excel in technical education and research, and are fully aware of the challenges of the future. Apart from strengthening the teaching-learning process, research and extension programmes, special focus on extra-curricular, sports and other similar activities to foster global competencies among the students is our priority. TCET continues to provide a congenial environment for the holistic growth and all round development of the students through suitably designed teaching learning processes. Conference is an annual research event where technical discussions with different perspectives are developed and enormous possibilities are created to provide the human resource for sustainable development.

I wish all the researchers a very great learning experience ahead.

Dr. Lochan Jolly
Dean - SSW, TCET
Programme Technical Chair,
Multicon-W 2020

About Conference

India is a young nation where 65% of the population is below the age of 35 and produces the second highest number of engineering graduates in the world. In this knowledge driven age, education provides every student gainful employment and the nation the potential of a super power. However, this is possible only when research culture is inculcated and design based engineering education is imparted to students to prepare them for the future which is currently characterized by disruption, be it technology, communication, climate change, economic and political upheavals. Thus engineering and technology education needs an evolutionary change to be compatible with the requirements of the 21st century education and research and meet the needs of the various stakeholders, especially industry and society. Several behaviours such as an innovation mindset, agility, societal responsibility and system based thinking need to be embedded in the teaching learning practices to bring about transformation. To ensure that this requirement is communicated to learners everywhere, TCET initiated organizing of Conferences and Workshops (CAW). Being a self-financed institution, TCET is always at the forefront and incorporates active research as an integral part of engineering education to bring transformational changes in the education sector.

CAW at TCET is organized as a yearly event from 2010 where the first edition "International Conference and Workshop on Emerging Technologies (ICWET)" was organized and continued till 2012. The Second edition Multicon-W began in 2013 and is a platform for multiple conferences and workshops. Till date under the banner of ICWET and Multicon-W more than 50 conferences, over 250 tracks and 4600 papers have been presented and published in the Proceedings with ISBN numbers. Over 1700 of these papers are published in Scopus and UGC approved journals. Many of these papers are also available in the world's leading digital libraries viz. ACM, IET, IEEE, Springer etc. There are more than 1.20 lacs downloads for these papers. As far as the workshop is concerned, more than 100 tracks of IOTW for students from other institutes and 60 tracks for in-house students are conducted. It speaks about grandness of events conducted in past.

Considering the consistent success of the events, Multicon-W 2020, the 11th conferences and workshops in a row is scheduled on 28-29 February 2020. The event will comprise of 4 conferences and 3 workshops with multiple tracks. Around 5000 participants and delegates are expected to attend the two day programme. While, till date, conferences at TCET focussed on research papers based on original research work and through the current conferences, we will diversify the scope to include papers based on experiential learning and organizational & professional practices. In the conferences, one can prepare research papers and depending upon the novelty and quality of the content, the papers will be published in the UGC approved & scopus indexed journals, Multicon-W Proceedings and Conference Proceedings with an ISBN number. Multicon-W 2020 is going to be remembered as leap year event conducted on 28th & 29th February, 2020.

MULTICON-W 2020
- A platform for Multiple Conferences and Workshops

Multicon-W 2020

Objectives
1. Promoting research through knowledge sharing
2. Industry-Institute & Institute-Institute Interactions for interdisciplinary learning with industry research opportunities
3. Innovating to improve quality in technical education and creating industry ready professionals

Paper Categories
1. Technical Paper
2. Research Paper
3. Poster Paper
4. Project / Design Based Paper
5. Case Studies Paper
6. Best Innovative Practices Paper

Benefits
1. Networking & Interactions
2. Expert inputs for quality research work
3. Understanding Trends and Challenges
4. Understanding of IPR
5. Showcasing Research Talent
6. An opportunity for Multilevel publication

Journey of ICWET & Multicon-W

Inculcating Research Culture
Higher and Technical Institutions

2010
1st Edition, ICWET
- 1 Conference with ACM
- Papers received : 628
- Participants : 1000+

2011
ICWET
- 1 Conference with IJCA
- Papers received : 590
- Participants : 2500+

2012
ICWET
- 1 Conference with IJCA & IJACSA
- Papers received : 525
- Participants : 2700+

2013
Multicon-W
- 3 Conferences with IJCA, IJACSA & IJAIS
- Papers received : 313
- Participants : 2500+

2014
Multicon-W
- 3 Conferences, 1Industry workshop, Research colloquium
- Papers received : 260
- Participants : 2500+

2015
Multicon-W
- 3 Conferences with IJCA, & IJAIS
- Papers received : 280
- Participants : 3000+

2016
Multicon-W
- 6 Conferences with Elsevier, IET, IRD
- Papers received : 615
- Participants : 3500+

2017
Multicon-W
- 6 Conferences with McGraw Hill, IEEE, IJSER
- Papers received : 620
- Participants : 3000+

2018
Multicon-W
- 9 Conferences with McGraw Hill, IJSER, IOSR, IJIREEICE, IARJSET, i-Manager & SAEINDIA
- Papers received : 720+
- Institute Partnership Model

2019
Multicon-W
10th International & National Conferences & Workshops
- 4 Conferences with McGraw Hill, IOS Press, SciPress, AzJHPC, IGI Global, Web of Science, IJIRE, JETIR, Purva Mimaansaa, IOSR & SAEINDIA
- Papers received : 683+
- Institute & Industry Partnership Model

2020
Multicon-W
11th International & National Conferences & Workshops
- 4 Conferences with McGraw Hill, Springer, IJEAT, IJITEE, IJRTE, ET, IIIE, SAEINDIA, Purva Mimansa & AAP
- Papers received : 1000+
- Institute & Industry Partnership Model

MULTICON-W 2020

- A platform for Multiple Conferences and Workshops

Multicon-W 2020 Activities

IC-ISCN - 2020

IC-ICN - 2020
International Conference on Intelligent Computing and Networking

IC-TELCON - 2020

IC-TELCON - 2020
International Conference on Trends in Electronics & Communication

IC-AMCE - 2020

IC-AMCE - 2020
International Conference on Advances In Mechanical & Civil Engineering

CHSTE - 2020

CHSTE - 2020
Conference on Humanities, Science and Technical Education

EC - 2020

EC - 2020
Engineering Colloquium Post Graduate Students & Doctoral Scholars

EWPPC - 2020

EWPPC - 2020
Engineering Workshop & Paper Presentation Contest

IOTW - 2020

IOTW - 2020
Industry Oriented Technology Workshop

PBW - 2020

PBW - 2020
Professional Body Workshop

19

International Conference on Intelligent Computing and Networking (IC-ICN - 2020)

IC-ICN - 2020

Springer

About the Conference

The 11th Annual International Conference, IC- ICN 2020 serves as a premier platform that gathers all academicians, researchers and professionals, in the relevant engineering disciplines and domains, to present their research contributions and share their thoughts. TCET has successfully held ten international events in a row ICWET 2010-2012 and Multicon-W 2013-2019 in association with international reputed publications (viz. ACM, Springer, IEEE, Elsevier etc.) in IT industry with an objective to reach new horizons. IC-ICN 2020 has got affiliation of Springer. IC-ICN 2020 aims to bring forward quality research in the field of Intelligent Computing and Networking. In order to adapt the rapid development changes in Intelligent Computing and Networking, we provide platform for in-depth exchange of Ideas between researchers, scientific & technical personnel. We specifically invite papers on a wide range of research topics spanning both theoretical & experimental research. The topics of interest for the conference tracks include (but are not limited to) the following:

Intelligent Computing

- ❖ Expert System
- ❖ Robotics
- ❖ Machine Learning
- ❖ Big Data Analytics
- ❖ Data Science
- ❖ Deep Learning
- ❖ Natural Language Processing
- ❖ Human Machine Interaction
- ❖ Applications of Intelligent Computing (Agriculture, Health Care, Education, Recommender System, Transportation, Finance, etc).
- ❖ Predictive Analysis,
- ❖ Cognitive Computing
- ❖ Pervasive Computing

Communication Networks

- ❖ Wireless Sensor Networks
- ❖ Ad-hoc Network
- ❖ Network Security
- ❖ Cryptography
- ❖ Internet of Things
- ❖ Mobile sensing

- ❖ Pervasive Computing
- ❖ Traffic analysis & engineering
- ❖ Information & content centric networks
- ❖ Internet of Things (IOT)
- ❖ Cloud Computing & Security
- ❖ Software Defined Network
- ❖ Blockchain
- ❖ Cognition & Cognitive computing in networking
- ❖ Energy efficient communications
- ❖ Caching and content delivery system

Paper Categories

Category - I
- • Technical Paper
- • Research Paper

Category - II
- • Poster Paper
- • Case Studies Paper
- • Project/Design Based Paper
- • Best & Innovative Practices Paper

Publication Details

All selected quality papers will be published in IC-ICN Proceedings or Multicon-W 2020 Proceedings with ISBN and few quality papers with modification of 30-40% will be recommended for publication in Springer - Lecture Notes in Network & Systems (LNNS) Series.

International Conference on Trends in Electronics & Communication - (IC-TELCON-2020)

IC-TELCON-2020

About the Conference

Modern world increasingly depends on electronic devices to make our life easier. The present day technological and digital transformation is changing the world and is offering challenging opportunities for engineers. Electronics Engineering has a vital position in this revolution as it is the amalgamation of all the state-of-the-art technologies like electronic devices modeling and simulation, VLSI and Nano-technology, Robotics, Automation and Embedded Systems, telecommunication adds the Signal Processing, Antenna & Microwave communication. To discuss and deliberate on such domain specific developments, Thakur college of Engineering and Technology (TCET), Mumbai has successfully held ten international events in a row in association with international journals of repute and in the IT industry with an objective to reach new horizons.

International Conference on Trends in Electronics & Communication (IC-TELCON-2020) aims to bring together researchers, engineers, and scholar students to exchange and share their experiences, new ideas, and research results about all aspects in the field of Electronics engineering and communication. IC-TELCON-2020 looks to provide a platform to researchers and practitioners from both academia as well as industry to meet and share cutting-edge development in the field and it aims to provide an opportune forum and vibrant platform for Researchers.

Department of Electronics and Telecommunication Engineering & Department of Electronics Engineering of TCET takes immense pleasure to invite your contributions for IC-TELCON-2020 during February 28th - 29th, 2020.

Communication, Antenna & Microwave Engineering (CAME)

❖ Optical Communications & Networking
❖ Wireless Communications & Networking
❖ Wireless Sensor Networks
❖ Mobile Networks & Services
❖ Cognitive Radio Networks
❖ RF Circuit Design
❖ Broadband Antennas & Antenna Measurements

Signal Processing & Applications (SPA)

❖ Image and Video Processing
❖ Audio and Speech Processing
❖ Multimedia Signal Processing
❖ Radar & Sonar Signal Processing
❖ Augmented Reality

Electronic Components, Devices and VLSI (ED&V)

❖ Analog/Digital/Mixed-signal Circuits
❖ Compound Semiconductor & high speed devices
❖ Power devices & applications
❖ Sensors, MEMS, & BioMEMS
❖ Imaging & Visualization Devices
❖ Nano Electronics
❖ Lab on a Chip & Microfluidic Devices
❖ VLSI for DSP
❖ MMIC & CMOS Circuits
❖ VLSI testing & relibility
❖ Optoelectronics
❖ Electronic Displays

Robotics Automation & Embedded Systems (RA&ES)

❖ Modeling & Simulation
❖ Industrial Networks & Automation
❖ Smart City
❖ Artificial Intelligent systems & Application
❖ Mobile Robots & Intelligent Autonomous Systems
❖ High Performance Computing Systems
❖ Hardware & software support for real time application
❖ Internet of Things
❖ Sensors, Transducer
❖ Health Monitoring Devices, Reconfigurable Systems

Paper Categories

Category - I
• Technical Paper
• Research Paper

Category - II
• Poster Paper
• Case Studies Paper
• Project/Design Based Paper
• Best & Innovative Practices Paper

Publication Details

All selected quality papers will be published in IC-TELCON-2020 proceeding or Multicon-W 2020 proceeding with ISBN & few quality papers with modification of 30-40% will be recommended for publication in reputed journals. The list of journals is as follows :

SCOPUS Indexed & UGC Care List Journals:

1. International Journal of Engineering and Advanced Technology **(IJEAT)**
2. International Journal of Innovative Technology and Exploring Engineering **(IJITEE)**
3. International Journal of Recent Technology and Engineering **(IJRTE)**
4. International Journal on Emerging Technologies **(IJET)**
5. International Journal of Information Technology **(IJIT)** **(UGC Care List)**
6. International Journal of Electronics, Communications & Measurement Engineering **(IJECME) IGI Global**

International Conference On Advances In Mechanical & Civil Engineering - 2020

IC-AMCE-2020

About the Conference

IC-AMCE 2020 is the forum for the presentation of advances and research results in the fields of Mechanical and Civil Engineering. The conference will bring together leading researchers, engineers and scientists to share their original research work, practical challenges, recent innovations, trends and to explore methods of application of research to the technological development leading to social welfare.

Advances in mechanical and civil engineering are the order of the day with rapid industrialization and urbanization seen in developed and developing nations. Innovative designed and construction practices are challenging task to the engineers to meet ever growing demands of society. The conference is the premium forum for presentation of new advances and research results in the field of mechanical and civil engineering.

All honorable authors are encouraged to contribute their research through submission of abstracts, papers and e-posters. Also, high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental or theoretical work in all areas of Mechanical Engineering are cordially invited for presentation at the conference

Manufacturing and Automation

All honorable authors are kindly encouraged to contribute to and help shape the conference through submissions of their research abstracts, papers in areas of:

- Quality Engineering
- Quality Management
- Supply Chain Management
- Machine Design
- Industrial Automation
- Material Science
- Metallurgy
- Composite Materials
- FEM modeling and simulation
- Mechatronics

Thermal Engineering

- Thermal & Fluid Power
- Heat Transfer
- Air conditioning
- Internal Combustion Engine
- Refrigeration
- Computational fluid dynamics
- Renewable energy
- Cryogenics

Water Resources Engineering

- Fluid Mechanics/ Hydraulics
- Environmental Engineering
- Impact assessment
- Industrial waste management
- Water/ Sewage treatment
- Water shed management

Structures

- Transportation Engineering
- Construction Management
- Quantity surveying and valuation
- Building risk assessment
- Soil mechanics
- Structural Engineering

Paper Categories

Category - I
- Technical Paper
- Research Paper

Category - II
- Poster Paper
- Case Studies Paper
- Project/Design Based Paper
- Best & Innovative Practices Paper

Publication Details

Conference Proceedings:
All selected quality papers will be published in IC-AMCE 2020 proceeding or Multicon-W 2020 proceeding with ISBN and few quality papers with modification of 30-40% will be recommended for publication in reputed journals. The list of journals is as follows:

SCOPUS Index:
1. International Journal of Engineering and Advanced Technology **(IJEAT)**
2. International Journal of Innovative Technology and Exploring Engineering **(IJITEE)**
3. International Journal of Recent Technology and Engineering **(IJRTE)**
4. Indian Institute of Industrial Engineering **(IIIE)** (UGC Care Journal)

Conference on Humanities, Sciences and Technical Education - 2020

CHSTE-2020

About the Conference

Technological developments are flooded in our day to day life. This gives rise to an increasing demand of transformation in educational models. Science, Technology, Engineering and Mathematics (STEM) education have allowed humans to understand their environment, their own existence and to successfully face the challenges that allow them to live longer and better. Knowledge of Humanities and Social Sciences (HSS) empower individuals to develop global and pluralistic view of the problems we have to face both in our lives and work. Therefore, there is an enormous need to integrate STEM education and HSS to foster the lifelong learning among graduates and professionals who are the future of country.

The Conference on Humanities, Sciences and Technical Education (CHSTE) -2020 is such endeavor to ensure the growth of technological progress and individuals with a strong background in values and with enough vision to meet new challenges in a sustainable away. The conference is a pavement for experts and scientific professionals from the field of Humanities, Sciences and Technical Education to explore the research challenges, current trends and unleash cutting-edge strategies in the respective research areas. Therefore, a wide range of topics will be covered in CHSTE - 2020 ranging from Technical Education to STEM and HSS studies. The conference attempts to bring together the experience of these varied yet related fields of knowledge with the hope that this confluence will contribute to mutual growth.

Engineering Sciences & Humanities

* ❖ Electricity and Photonics
* ❖ Nano-material, Nano-composites and Novel Materials
* ❖ Mathematical Modeling
* ❖ Synthetic Green Chemistry
* ❖ Environmental Science
* ❖ Business Communication, Managerial Competency & Linguistics
* ❖ Life Skills

Technical Education

* ❖ Challenges and Opportunities in Technical Education
* ❖ Bridging Gaps between Education and Employment
* ❖ Implementation of Recent Trends in Teaching-Learning Process
* ❖ Best Practices in Skill Development
* ❖ Inclusive and Sustainable Growth through Training and Skill Development
* ❖ Industry- Institute Interface
* ❖ Enhancing Employability Skills among youth
* ❖ Role of Technical Education in Development of Indian Economy
* ❖ Value based education for holistic development

Evaluation & Assessment

* ❖ Online examination and Innovations
* ❖ Modes and matrices for setting of question papers
* ❖ Design of experiment for conduct of laboratory examination, oral & practical examination
* ❖ Evaluation and Assessment matrices (parameters)
* ❖ Evaluation tools and impact on its stake holders
* ❖ Standards to be followed for evaluation
* ❖ Program outcome attainment through effective measures
* ❖ Use of Technology (Digital transformation)
* ❖ Integration of E&A techniques for improving results
* ❖ Adopting new standards for E&A
* ❖ Quality Assurance

Paper Categories

Category - I
* Technical Paper   • Research Paper

Category - II
* Poster Paper   • Case Studies Paper
* Project/Design Based Paper   • Best & Innovative Practices Paper

Publication Details

All selected quality papers will be published in CHSTE Proceedings or Multicon-W 2020 Proceedings with ISBN and few quality papers with modification of 30-40% will be recommended for publication in Purva Mimansa Multidisciplinary journal.

Engineering Colloquium (EC - 2020)

EC - 2020

About the Conference

Colloquium for Post-Graduate Students and Doctoral Scholars was introduced in the year 2012 with the intent of giving direction and focus to their research. Invited speakers from institute and industry conduct sessions to help participants identify research areas, provide guidelines for thesis writing, technical paper writing, explain procedure for filing patents and give information about various funding agencies. In order to enrich this event, it was felt that there is a need for creating a platform for research students to present their research proposals. The objective of the 9th Colloquium is two fold: to invite speakers to guide students on their research and encourage students to submit their research proposals. Best proposal award will be given in each category and track.

Guidelines and Eligibility for submissions

Original research proposals are invited from candidates who are pursuing research (experimental / fundamental / application / product development). The research proposal document should not exceed 2000 words and abstract, not exceeding 100 words.
Title page should clearly indicate title of the proposal, track, name of the author, affiliation, contact details and email ids. Formatting Guideline: Microsoft word document, Margin 2.5 cms or 1 inch, Font Times New Roman, 12 points, Line spacing 1.5.
Eligibility for submission or research proposal: Students who are currently enrolled in Masters or Doctoral courses in Engineering, Science and Technology Management.

Contents

The Contents to be covered during the seminar will include the following topics:
1. Research design and Methodology.
2. Familiarization with the trends in Engineering and Technology.
3. Domain specialization.
4. Identification of Project topics, seminar topic etc.
5. Focus on doing the research based project work effectively.
6. Guidelines for thesis writing technical paper writing, research paper writing as per International standards.
7. Guidelines for patent, copyright and handling plagiarism issues.
8. Knowledge sharing about research funding agencies and proposal.

Benefits

★   Platform to interact with industry
★   Certificate (with all conference logos)
★   Knowledge sharing with fellow participants
★   Inputs for fast track completion of thesis

Speakers

Experts from IITs, reputed R&D institutes, Industry and senior professors from renowned affiliated institutes of University of Mumbai including host institutes and other universities

Who should attend

★   Post graduate (M.E. / M.Tech.) scholars
★   Ph.D. (Engg. / Tech.) scholars
★   Delegates from academic and industry institutions
★   Final Year UG students aspiring for higher studies in Engineering & Technology

Paper Categories

Category - I
• Technical Paper   • Research Paper
Category - II
• Poster Paper   • Case Studies Paper
•Project/Design Based Paper   • Best & Innovative Practices Paper

Publication

All Selected quality papers will be published in respective conference proceeding or Multicon-W 2020. Proceeding with ISBN & few quality papers with modification of 30-40% will be recommended for publication in Scopus & UGC Care journals.

Engineering Workshop & Paper Presentation Contest (EWPPC- 2020)

EWPPC-2020

About Programme

The ISTE-TCET, Thakur College of Engineering and Technology, takes immense pleasure in announcing 6th Engineering Workshop and paper presentation contest 2020.The prime aim of the conference is to promote national collaboration in Education and Research in all fields and disciplines of engineering. The presence of more than 600 student's researcher from different domain may aims to provide an opportune forum and vibrant platform for Students and Academicians to share their ideas, original research work, findings and practical development experiences on the specific new challenges and emerging issues confronting the nation. This conference provides a national forum for the exchange of ideas, discussions on research results and the presentation of theoretical and practical applications in Various domains.

The objective of this conference is to create awareness and to provide a perfect platform for the participants to upgrade their knowledge and experience and to discuss on the ways to foster the exchange of concepts, prototypes, research ideas and the research work. This conference reflects the current focus of global research, recent developments, interdisciplinary research and practices in the fields of Engineering and Sciences

Engineering Workshop is specially designed for Under Graduate Science/engineering students with the aim of providing an opportunity to these budding professionals to have hands on experience in the related domains/disciplines of engineering which they don't get usually during their engineering / science curriculum.

This workshop will include various types of tracks which will cover various facets of engineering disciplines.

Areas/Track/Scope

1. Auto Hybrid Workshop: Apt for Mechanical Engineering/ Automobile engineering
2. Codeless Website Deasigning: Apt for all Engineering branches
3. Bridge designing: Apt for Civil Engineering & Construction Engineering
4. Robotics: Apt for COMP/IT/E&TC/ELEX
5. Android Game Development (For Computer/IT Engg. students)
6. Movie Making by My first Film (Apt for all Branches)
7. Android Game Development (For Computer/IT Engg. students)

Paper presentation contest for Under Graduate Science / Engineering students is an initiative taken to improve writing and presentation skills, while at the same time exposing them to the latest literature and research happening across different domains. Objective of Paper presentation contest includes:
- To inculcate the culture of research among engineering/Science students.
- To improve listening, reading, writing and speaking skills.
- To improve presentation skills

Paper Presentation includes the topic such as

1. Education System
2. Communication skills and Employability
3. Emerging trends of Smart materials
4. Green Engineering and Technology
5. Application of Mathematics in Engineering and Technology
6. Application of Mechanics in Engineering and Technology
7. Evolution of Electrical and Electronic utility in industry
8. Information & communication Technology
9. Modern Biology (Bio-Chemistry, Bio-Physics & Bio-Technology)

Guidelines for Authors

Authors are encouraged to submit original papers only, it will be reviewed for content by these selected programme committee members. Papers are invited in the following format for presentation at the conference.

The length of the paper including the abstract and all diagrams should not exceed six A4 size pages.

Paper should be submitted in Ms-word Doc/docx format. To write the paper or make presentation, authors may refer our conference link for necessary guidance of contact our trained faculty members.

The Live template for preparing the paper is given on conference website : www.multiconw.co.in/ewppc-tracks/
Submit your paper at: istecore@gmail.com

Registration Details

* Students can submit poster paper.
*All the authors should be registered for paper presentation.
*Full Length papers and Short length Papers will be accepted.
*Delegate can register for paper presentation as well as one of the Engineering Workshop.
The Registration link : http://tinyurl.com/ycXgfbzj

Publications

Selected articles will be published in Proceeding bearing ISBN and extended articles will be published in associating journal.

Industry Oriented Technology Workshop (IOTW - 2020)

IOTW - 2020

About the Programme

India is one of the fastest growing economies in the world and according to the United Nations Report, 356 million youth are in the age group of 10-24 years which constitute 28% youth of the country's population and by 2020, India will become the world's youngest country with 64 percent of its population in the working age group, says a report in The Hindu. This demography will be actively looking for employment, and can potentially drive global demands. To meet the global requirements, technical education plays a vital role in providing the technical human resource. This encouraged many institutes to establish and meet this huge demand. To sustain in the competition, institutes need to constantly evolve themselves to understand the industry requirements and implement the teaching-learning process as per the need.

Looking into these challenges, TCET's Training & Placement (T&P) is organizing Industry Oriented Technology Workshop (IOTW) 2019 to provide identify industry required skills and meet the local and global requirements.

Data Science

- Concept of Data Science
- Programming Tools for Data Science
- Toolkits and Visualizing Data
- Working with Data
- Data Science Application

Blockchain

- Overview of Block chain
- Permissioned Model of Blockchain
- Bitcoin and Block chain
- Bitcoin P2P Network
- Bitcoin network & Proof of Work (PoW)

Artificial Intelligence (AI)

- Concept of AI
- Search Algorithms
- Probabilistic Reasoning
- Markov Decision process
- Reinforcement Learning

Virtual Reality

- Virtual Reality and Virtual Environment
- 3D Computer Graphics
- Geometric Modelling
- Geometrical Transformations
- Generic VR system

Mechanical Applications using ANSYS

- Introduction to ANSYS Mechanical APD
- Selection Logic and Solid Modeling
- Post Processing
- Static Structural Analysis
- Modal and Thermal Analysis

Internet of Things (IoT)

- Architectural Overview
- M2M and IoT Technology Fundamentals
- Hardware Components
- Software Components
- IoT Application Development

Mechanical Applications using CATIA

- Introduction to CATIA.
- Learning of basic commands
- Modelling of part.
- Assembly of part.
- Integration and testing of model.

Cyber Security

- Cyber Security Concepts
- Open Source/ Free/ Trial Tools
- Cryptography and Cryptanalysis
- Cyber Security Vulnerabilities & Safe Guards
- Cyber Laws and Forensics

Important Date

Conference

Announcement to organize the conference	:	23-02-2019
Conference Pre-announcement	:	07-09-2019
Brochure and Poster Printing	:	09-09-2019
Website Launch	:	20-09-2019
Website Redevelopment	:	05-10-2019
Publicity	:	12-11-2019
Abstract Submission	:	01-12-2019
Paper Submission deadline	:	15-12-2019
Paper Selection Notification	:	05-01-2020
Registration deadline	:	15-01-2020
Camera Ready Submission deadline	:	20-01-2020
Paper submission deadline	:	10-02-2020 (Extended)
Paper acceptance deadline	:	11-02-2020 (Extended)
Date of registration	:	15-02-2020 (Extended)
Camera Ready Copy (CRC) submission	:	15-02-2020 (Extended)

Workshop

Announcement to organize the Workshop	:	23-02-2019
Poster Design & Printing	:	04-10-2019
Publicity	:	14-11-2019
Registration Deadline	:	15-02-2020
Registration Deadline	:	25-02-2020 (Extended)

Highlights of ICWET 2010, 2011, & 2012 & Multicon 2013-2019

Particulars	No. of papers received	No. of participants (project + conference + workshop)	No. of Tracks	No. of papers selected	Full Length Papers (FLP)	Short Length Papers (SLP)	Poster papers	No. of papers available on/off-line
ICWET - 2010	628	1000+	08	318	113	109	96	ACM-222 Poster-96
ICWET - 2011	590	2500+	10	495	173	180	84	ACM-290 IJCA-212 Poster-84
ICWET - 2012	517	2700+	10	308	103	122	87	IJCA-108 IJACSA-8
Multicon-W 2013	313	2500+	23	206	107	97	02	IJCA-43 IJAIS-41 IJSCSA-8
Multicon-W 2014	260	2500+	06	192	81	111	Nil	IJCA-38 IJAIS-43
Multicon-W 2015	280	3000+	06	225	94	131	Nil	IJCA-33 IJAIS-45
Multicon-W 2016	615	3500+	16	460	323	137	Nil	Elsevier-130 IET-29 IRD-40
Multicon-W 2017	620	3000+	31	441	254	187	Nil	McGraw Hill-53 IEEE-23 IJSER-20
Multicon-W 2018	655	3500+	34	519	335	184	Nil	McGraw Hill-65 i-manager-23 IJSER-SAE India-30 IARJSET-12, IOSR-17
Multicon-W 2019	676	3500+	35	558	305	253	Nil	McGraw Hill-61 Special issues IDP 04, SCI press IJET 05, IOSR 44, JETIR 86

Multicon-W 2020

Outreach of Previous 10 Conferences

01 Well supported by faculty, research scholars, P.G. and U.G. Students

02 Recent 3 Proceeding published by McGraw Hill Education with ISBN

03 Participation of more than 28000 delegates and 1100 resource persons over 10 years
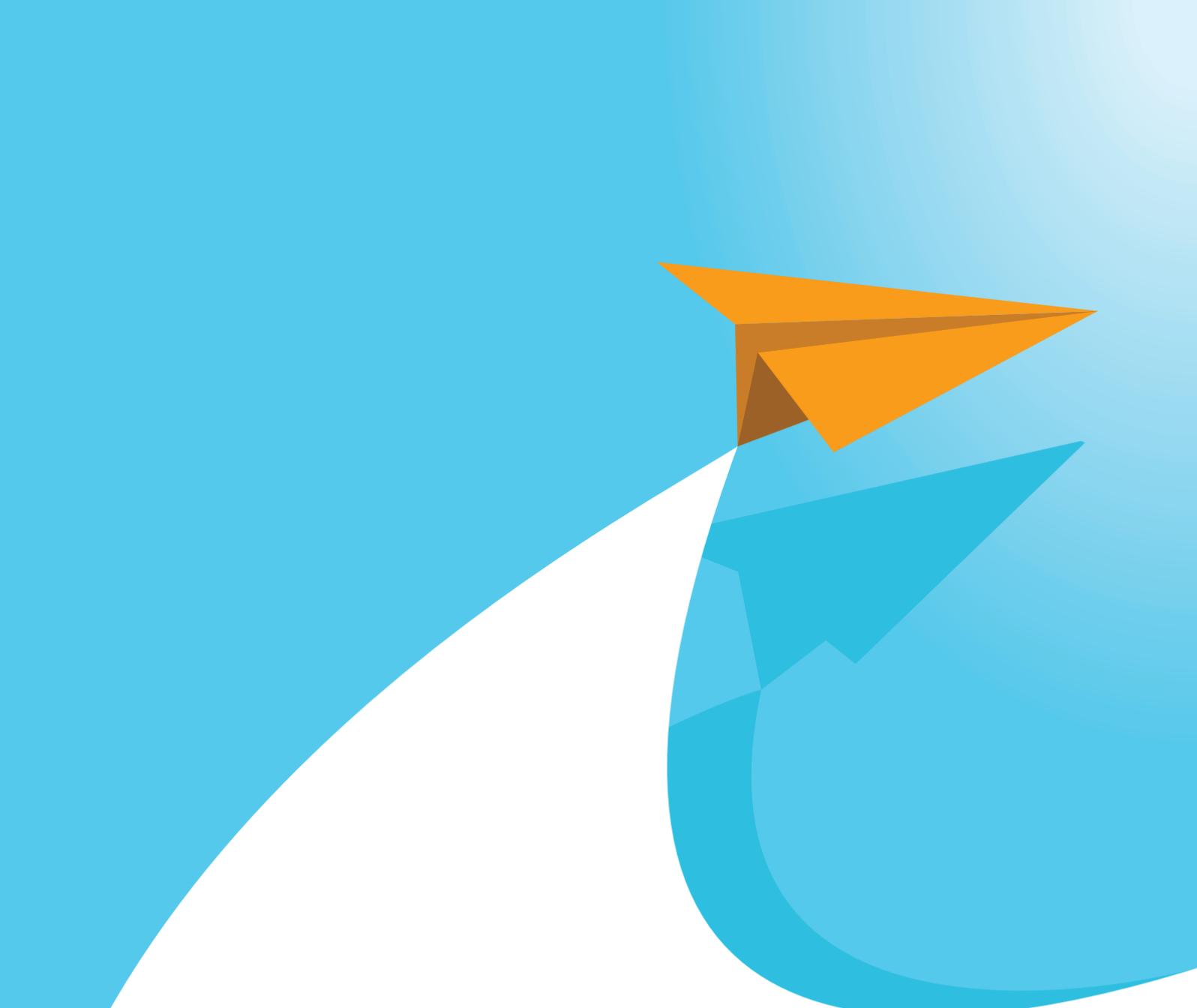
04 More than 4600 publications with 1700 papers in world's leading digital libraries

05 More than 1.20 lacs downloads with rich citation and indexing

06 More than 600 P.G. and Ph.D. scholars published papers for the award of degrees

ICWET 2010 - 2012

&

MULTICON-W 2013 - 2019

Remembrance

ICWET 2010

Background

The International Conference and Workshop on Emerging Trends in Technology (ICWET 2010) held on February 26-27, 2010 was committed to provide a common platform to the researchers, industry experts, professionals, delegates and scholars to the upcoming challenges in the area of cutting – edge technology. The conference was jointly organized by TEG institutions i.e. TIMSR, TIMSCDR, TPOLY, TCSC and hosted by TCET in cooperation with Association for Computing Machinery (ACM), New York, U.S.A.

Dignitaries

Dr. V. N. Magare   : Chief Guest
Dr. D. J. Shah   : Guest of Honour
Dr. Prachi Gharpure   : Keynote Speaker

Overall response

Total delegates   : 668
 % turn out   : 87.20%
Total resource persons 30 (3 from outside Mumbai)
(1 from Goa, 1 from Jalgaon, 1 from Tamil Nadu)

Registration break - up

Conference

Non-TEG   : 256 attended out of 330 registered (77.6%)
TEG   : 141 attended out of 153 registered 92.2%)
Total   : 397 (82.2%)

Foreign Delegates

Poland   : 1
Australia   : 1
Malaysia   : 1
Bangladesh   : 1

Events Organised

Paper presentation   : 222 papers (25 sessions)
Poster exhibition   : 96 posters (11 sessions)
Workshop   : 10 sessions
Panel discussion   : 1 session

Workshop

Non-TEG   :   33 attended out of 41 registered   (80.5%)
TEG   :   29 attended out of 33 registered   (87.8%)
TCET student   :   209 attended out of 209 registered   (100%) Workshop

Feedback

Rated very high with the following remarks from the delegates:

• Has set new standards • Great hospitality • State-of-the-art infrastructure • Cooperative staff members •   Shown interest in our future programmes

Quality of Proceedings / Souvenir was highly appreciated by the resource persons as well as delegates

ICWET 2011

ICWET 2011
One of the most referred International Conferences

Background

The International Conference and Workshop on Emerging Trends in Technology (ICWET 2011) held on February 25-26, 2011 was committed to provide a common platform to the researchers, industry experts, professionals, delegates and scholars to the upcoming challenges in the area of cutting – edge technology. The conference was jointly organized by TEG institutions i.e. TIMSR, TIMSCDR, TPOLY, TCSC and hosted by TCET in cooperation with Association for Computing Machinery (ACM), New York, U.S.A., and International Journal of Computer Application (IJCA)

Dignitaries

Mr. M. K. Singh	: Chief Guest
Mr. Dalbir Singh Virdi	: Guest of Honour
Mr. M. M. Shah	
Shri J. J. Tibrewala	
Mr. Rajiv Vaishnav	: Key Note Speakers
Mr. Ravi Ippaturi	
Dr. Abhay Wagh	
Dr. A. Deshpande	

Overall response

Total delegates   : 656
 % turn out   : 88.20%
Total resource persons = 30

Foreign Delegates

Australia   : 1

Workshop

Non-TEG   :   23 attended out of 23 registered   (100%)
TEG   :   93 attended out of 105 registered   (88.57%)
TCET student :   1059 attended out of 1200 registered (88.25%) Workshop

Registration break - up

Conference

Non-TEG   : 230 attended out of 293 registered
                  (78.50%)
TEG   : 130 attended out of 150 registered
                  (86.67%)
Total   : 360 (81.26%)

Events Organised

Paper presentation	: 292 papers (35 sessions)
Poster exhibition	: 84 posters (16 sessions)
Workshop	: 10 sessions
Panel discussion	: 1 session

Feedback

Rated very high with the following remarks from the delegates :

• Achieved new standards   • Awesome hospitality • State-of-the-art infrastructure
• Cooperative staff members • Well managed tracks• Shown interest in our future programmes

Quality of Proceedings / Souvenir was highly appreciated by the resource persons as well as delegates

ICWET 2012

Background

The International Conference and Workshop on Emerging Trends in Technology (ICWET 2012) held on February 24-25, 2012 was committed to provide a common platform to the researchers, industry experts, professionals, delegates and scholars to the upcoming challenges in the area of cutting – edge technology. The conference was jointly organized by TEG institutions i.e. TIMSR, TIMSCDR, TPOLY, TCSC and hosted by TCET in co-operation with International Journal of Computer Application, USA &The Science & Information Organization, USA

Dignitaries

Dr. P. Chakrabarti	: Chief Guest
Mr. Dalbir Virdi	: Distinguished Guest
Dr. S. K. Ukarande	: Guest of Honour
Mr. John Kuriakose	
Dr. D. J. Shah	: Keynote Speakers
Dr. Ashok Deshpande	

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	90	52	142	31
Conference Workshop	148	152	300	16
Industrial Workshop	398	350	748	06
In-house Workshop	418	390	808	04
Colloquium	80	78	158	11
Inaugural & Valedictory Function				06
Total	1134	1022	2156	74

Workshop

Non-TEG	: 15 attended out of 15 registered (100 %)
TEG	: 28 attended out of 30 registered (93.33 %)
TCET student	: 43 attended out of 45 registered. (95.55%)
ICWET Colloquium	: 4 sessions

Registration break - up

Conference

Non-TEG :164 attended out of 204 registered (80.39%)
TEG   : 87 attended out of 104 registered (83.65%)
Total   : 308 registered

Events Organised

Paper presentation	: 142 papers (17 sessions)
Poster exhibition	: 87 posters (7 sessions)
Workshop	: 10 sessions
Panel discussion	: 1 session

Feedback

Rated very high with the following remarks from the delegates :

• Great hospitality

• Knowledge hub

• Excellent infrastructure

• Friendly and helpful staff members

• Shown interest in our future programmes

Multicon-W 2013

Background

Multicon-W 2013, a new initiative of TCET, was a platform for all the stake holders to contribute their original research work in three emerging areas : ICWET for Electronics and Telecommunication; ICWAC for Computer and Information Technology and ICWAM for Mechanical. In addition, Industry Workshops, Research Colloquium, Innovation in Technical education were other special features of Multicon-W 2013.

Dignitaries

Shri Durga Maruwada	: Chief Guest
Dr. P. Chakrabarti	: Distinguished Guest
Dr. S. K. Ukarande	: Guest of Honour
Mr. Rajul Master	
Dr. Ashok Deshpande	
Mr. Parthasarathi Banerjee	: Keynote Speakers
Dr. D. J. Shah	

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	87	101	188	23
Conference Workshop	330	330	660	11
In-house Workshop	540	540	1080	16
Colloquium	40	30	70	08
Inaugural & Valedictory Function				06
Total	997	971	1998	64

Workshop

Non-TEG   : 20 attended out of
                      20 registered (100 %)

TEG   : 30 attended out of
                      35 registered (93.33 %)

TCET student   : 40 attended out of
                      45 registered   (95.55%)

Colloquium   : 4 sessions

Registration break - up

Conference

Non-TEG   : 85 attended out of 99 registered
                (85.8%)
TEG   : 103 attended out of 105 registered
                (98.1%)
Total   : 204 registered

Events Organised

Paper presentation   : 188 papers (23 sessions)

Workshop   : 28 sessions

Feedback

The overall feedback received from delegates contained following major points :

• Excellent arragement

• Good Hospitality

• Co-operative faculty & Staff

• Good experience & knowledge gain in respective domain

Multicon-W 2014

2014

Background

Multicon-W 2013, a new initiative of TCET, was a platform for all the stake holders to contribute their original research work in three emerging areas : ICWET for Electronics and Telecommunication; ICWAC for Computer and Information Technology and ICWAM for Mechanical. In addition, Industry Workshops, Research Colloquium, Innovation in Technical education were other special features of Multicon-W 2013.

Dignitaries

Dr. N.D. Desai	: Chief Guest
Dr. P. Chakrabarti	: Distinguished Guest
Dr. S. K. Ukarande	: Guest of Honour
Dr. Ashok Deshpande	
Mr. Parthasarathi Banerjee	: Keynote Speakers
Dr. D. J. Shah	

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	107	125	232	23
Conference Workshop	330	330	660	11
In-house Workshop	540	540	1080	16
Colloquium	40	30	70	08
Inaugural & Valedictory Function				06
Total	1017	1025	2042	64

Workshop

Non-TEG   : 20 attended out of
                    20 registered (100 %)

TEG   : 30 attended out of
                    35 registered (93.33 %)

TCET student   : 40 attended out of
                    45 registered   (95.55%)

Colloquium   : 4 sessions

Registration break - up

Conference

Non-TEG   : 127 attended out of 159 registered
                    (79.9%)
TEG   : 163 attended out of 170 registered
                    (95.8%)
Total   : 329 registered

Events Organised

Paper presentation   : 132 papers (27 sessions)

Workshop   : 28 sessions

Feedback

The overall feedback received from delegates contained following major points :
• Good Infrastructure
• Good Hospitality
• Co-operative faculty & Staff
• Very informative sessions

Multicon-W 2015

2015

Background

Multicon-W 2015, 4th Multiple conference organized by TCET, was a platform for all the stake holders to contribute their original research work in three emerging areas : ICWET for Electronics and Telecommunication; ICWAC for Computer and Information Technology and ICWAM for Mechanical. In addition, Industry Workshops, Research Colloquium, Innovation in Technical education were other special features of Multicon-W 2015.

Dignitaries

Mr. Sunil Khanna   : Chief Guest (Industry)
Dr. S. K. Ukarande   : Chief Guest (Academia)
Mr. Jaywant Gawande   : Distinguished Guest
Dr. Vivek Bhartiya   : Guest of Honour
Mr. Ramani Iyer

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	79	147	226	30
Industrial Oriented Workshop	401	401	800	15
EWPPC-2015	608	608	1216	15
Colloquium	50	50	100	06
Inaugural & Valedictory Function	350	440	790	14
Total	**1488**	**1646**	**3132**	**80**

Workshop

Non-TEG   : 290 attended out of
                    210 registered (100 %)

TEG   : 111 attended out of
                    111 registered (100 %)

TCET student   : 120 attended out of
                    74 registered   (98.38%)

Colloquium   : 4 sessions

Registration break - up

Conference

Non-TEG   : 137 attended out of 150 registered

TEG   : 69 attended out of 76 registered

Total   : 226 registered

Events Organised

Paper presentation   : 226 papers (20 sessions)
Workshop   : 39 sessions

Feedback

Rated very high with the following notes from the delegates:

a) Wide coverage of Topics, Good Technical Presentation

b) Great hospitality and excellent transportation arrangement

c) State –of-the-art infrastructure,

d) Cooperative staff members

e) Good Quality of Proceedings, Complementary Distribution of Proceedings is welcomed by authors.

f) Colloquium was a great source of knowledge

g) Should have more Affiliations in future

35

Multicon-W 2016

2016

Background

Multicon-W 2016, 5th Multiple conference organized by TCET, was a platform for all the stake holders to contribute their original research work in six emerging areas : ICWET for Electronics and Telecommunication; ICCCV for Computer and Information Technology, ICWDMA for Mechanical, ICACE for Civil, NCASH for Humanities and Sciences and LCCP for Librarianship. In addition, Industry Workshops, Research Colloquium, Innovation in Technical education were other special features of Multicon-W 2016.

Dignitaries

Dr. P. Chakrabarti   : Chief Guest

Mr. Krishna Iyer   : Distinguished Guest

Dr. S.K. Ukarande

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	123	154	277	52
Industrial Oriented Workshop	350	350	700	15
EWPPC-2015	623	623	1246	15
Colloquium	50	50	100	04
Inaugural & Valedictory Function	350	237	587	16
Total	1496	1414	2910	102

Workshop

Non-TEG   : 350 attended out of
      350 registered (100 %)

TEG   : 623 attended out of
      623 registered (100 %)

TCET student   : 50 attended out of
      50 registered (100%)

Colloquium   : 4 sessions

Registration break - up

Conference

Non-TEG   : 250 attended out of 290 registered

TEG   : 76 attended out of 99 registered

Total   : 389 registered

Events Organised

Paper presentation   : 326 papers (25 sessions)

Workshop   : 84 sessions

Feedback

Rated very high with the following notes from the delegates:

a) Wide coverage of Topics, Good Technical Presentation

b) Great hospitality and excellent transportation arrangement

c) State –of-the-art infrastructure,

d) Good Quality of Proceedings, Complementary Distribution of Proceedings is welcomed by authors.

e) Colloquium was a great source of knowledge

f) Should have more Affiliations in future

Multicon-W 2017

Background

Multicon-W 2016, 5th Multiple conference organized by TCET, was a platform for all the stake holders to contribute their original research work in six emerging areas : ICWET for Electronics and Telecommunication; ICCCV for Computer and Information Technology, ICWDMA for Mechanical, ICACE for Civil, NCASH for Humanities and Sciences and LCCP for Librarianship. In addition, Industry Workshops, Research Colloquium, Innovation in Technical education were other special features of Multicon-W 2016.

Dignitaries

Dr. B. Satyanarayana   : Chief Guest
Mr. Krishna Iyer   : Distinguished Guest
Dr. P. Chakrabarti

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	166	177	343	53
Industrial Oriented Workshop	350	350	700	15
EWPPC-2015	638	638	1276	15
Colloquium	50	50	100	06
Inaugural & Valedictory Function	350	237	587	14
Total	1554	1442	3006	103

Workshop

Non-TEG   : 350 attended out of
         350 registered (100 %)

TEG   : 638 attended out of
         638 registered (100 %)

TCET student   : 50 attended out of
         50 registered   (100%)

Colloquium   : 4 sessions

Registration break - up

Conference

Non-TEG   : 205 attended out of 287 registered

TEG   : 137 attended out of 255 registered

Total   : 542 registered

Events Organised

Paper presentation   :343 papers (25 sessions)
Workshop   : 84 sessions

Feedback

Rated very high with the following notes from the delegates:
a) Wide coverage of Topics, Good Technical Presentation
b) Great hospitality and excellent transportation arrangement
c) State –of-the-art infrastructure,
d) Cooperative staff members
e) Appreciation of Initiatives for publication of Proceedings with McGraw Hill Education
f) 1st time advertisement done through whatsapp & images
g) Should have more Affiliations in future

Multicon-W 2018

2018

Background

Multicon-W 2018, 9th Multiple conference organized by TCET, was a platform for all the stake holders to contribute their original research work in six emerging areas : ICWET for Electronics and Telecommunication; ICCCV for Computer and Information Technology, ICWDMA for Mechanical, ICACE for Civil, NCASH for Humanities and Sciences and LCCP for Librarianship. In addition, Industry Workshops, Research Colloquium, Innovation in Technical education were other special features of Multicon-W 2018.

Dignitaries

Dr. D. K. Paliwal	: Chief Guest
Dr. K. G. Narayankhedkar	: Distinguished Guest
Dr. P. Chakrabarti	
Dr. Subhlakshmi Kher	: Guest of Honour
Dr. S. K. Ukrande	

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	161	173	334	62
Industrial Oriented Workshop	350	350	700	15
EWPPC-2015	623	623	1246	15
Colloquium	30	30	60	04
Inaugural & Valedictory Function	350	237	587	16
Total	1514	1413	2927	112

Workshop

Non-TEG	: 350 attended out of 350 registered (100 %)
TEG	: 623 attended out of 623 registered (100 %)
TCET student	: 30 attended out of 30 registered (100%)
Colloquium	: 4 sessions

Registration break - up

Conference

Non-TEG	: 253	attended out of 290 registered
TEG	: 184	attended out of 287 registered
Total	: 577	registered

Events Organised

Paper presentation	: 334 papers (25 sessions)
Workshop	: 84 sessions

Feedback

Rated very high with the following notes from the delegates:
a) Wide coverage of Topics, Good Technical Presentation
b) Great hospitality and excellent transportation arrangement
c) State –of-the-art infrastructure,
d) Cooperative staff members
e) Appreciation of proceeding published with McGraw Hill Publishers
f) Delegates has appreciated the advertisement of Multicon by small videos
g) Should have more Affiliations in future

Multicon-W 2019

Background

Multicon-W 2019, 10th Multiple conference organized by TCET, TCET is hosted 10th conference in a row and has planned four conferences (IC-ISCN, IC-TELECON, IC-AMCE & CHSTE) and three workshops under **Multicon-W2019**. During the long journey of one decade of Multicon-W, we have seen the growth of participation from outside India to make it widely known among the researchers and technocrats. Multicon-W 2019 is conducted with the theme inculcating research culture in the campuses.

Dignitaries

Dr. Abhay Wagh : Chief Guest
Prof. (Dr.) Ganpati D. Yadav
Dr. K. G. Narayankhedkar : Distinguished Guest
Dr. S. K. Ukarande
Dr. Shrihari Honwad

Overall Response

Participation	Participants / Delegates			
Event	Day 1	Day 2	Day 1 + Day 2	Resource Persons
Conference Presentation	242	242	484	31
Industrial Oriented Workshop	255	255	510	10
EWPPC-2015	542	542	1084	15
Colloquium	40	40	80	02
Inaugural & Valedictory Function	350	237	587	14
Total	**1429**	**1316**	**2745**	**72**

Workshop

Non-TEG : 316 attended out of
343 registered (92.12%)

TEG : 603 attended out of
603 registered (100 %)

TCET student : 111 attended out of
111 registered (100%)

Colloquium : 4 sessions

Registration break - up

Conference
Non-TEG : 102 attended out of 116 registered

TEG : 163 attended out of 337 registered

Total : 453 registered

Events Organised

Paper presentation : 373 papers (26 sessions)
Workshop : 100 sessions

Feedback

Rated very high with the following notes from the delegates:
a) Delegates appreciated planning an execution of the event
b) Reviewer has appreciated the quality of the articles
c) Wide varity of research topic and category of papers have been appreciated
d) Cooperative staff members
e) Appreciation of proceeding published with McGraw Hill Publishers
f) The effort of the advertising by small videos has been taken positively by the delegates

Glimpses of Conference Publications

Glimpses of ICWET 2010

Glimpses of ICWET 2011

Glimpses of ICWET 2012

Glimpses of Multicon - W 2013

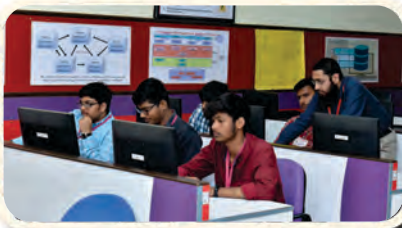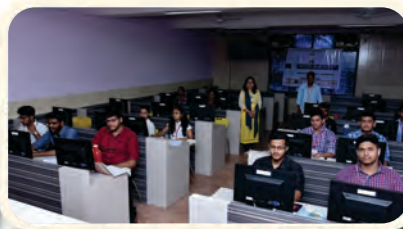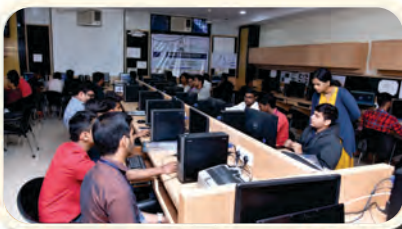Glimpses of Multicon - W 2014
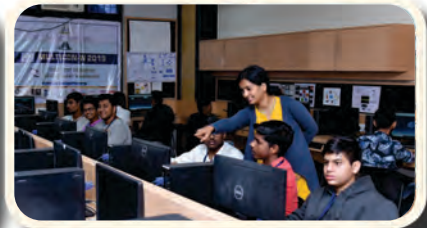
Glimpses of Multicon - W 2015

MULTICON-W 2020
A platform for Multiple Conferences and Workshops

Glimpses of Multicon - W 2016

45

Glimpses of Multicon - W 2017
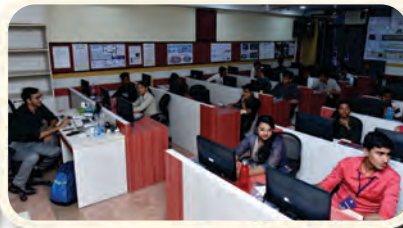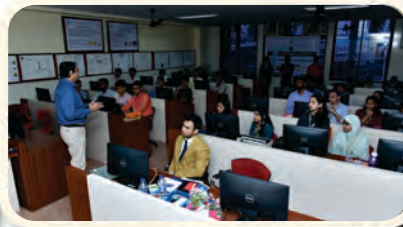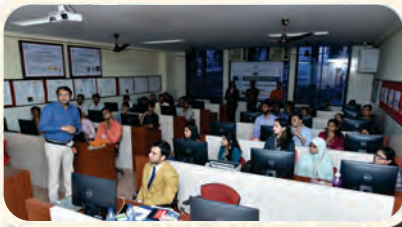
Glimpses of Multicon - W 2018

Glimpses of Multicon - W 2019

Glimpses of Past few years Student Workshop of IOW

Glimpses of Past few years Student Workshop of IOTW 2019

Eminent Personalities Visited to The Institute

Dr. Abhay Wagh
Director, Directorate of Technical Education,
Maharashtra State, Mumbai, India

Dr. D. K. Paliwal
Former Member Secretary NBA &
Deputy Educational Advisor, Govt. of India.

Prof. (Dr.) Ganapati D. Yadav
Vice Chancellor, ICT, Mumbai, India
(Renowned Researcher)

Dr. P. Chakrabarti
Director, IIEST, Shibpur
Professor, Administration
Howrah, West Bengal, India

Shri. D. Maruwada
Lead-Head, Public Services & Director of
Deliveries Technology, Accenture, Mumbai, India

Dr. Shubhlakshmi Kher
Director and Professor of
Electrical Engineering
Arkansas State University (USA)

Dr. V. N. Magare
Board of College and
University Development

Mr. Dalbir Virdi
Strategic Advisor to the Chairman
Datamatics Group of Companies

Dr. K. G. Narayankhedker
Chancellor at MGM Institute of
Health Sciences

Mr. Sunil Khanna
President & Managing Director - Vertiv
Energy Pvt Ltd , India
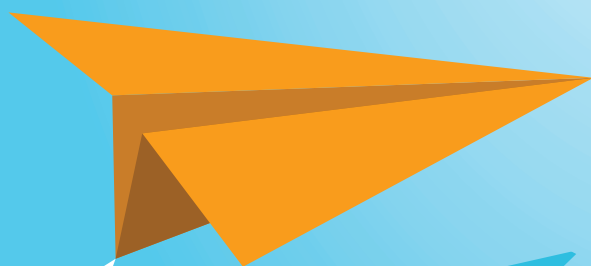& Chairman - CII (WR) Skill Devep

Dr. Satyanarayana Bheesette
Scientific Officer (H),
Department of High Energy Physics,
Tata Institute of Fundamental Research

Dr. N. D. Desai
President,
D.D. Foundation
Gujarat, India

51

Thakur Education Group

The Host Institute,

Partner Institutions

&

Collaborators

Thakur Education Group

The Thakur Education Group (TEG), Mumbai is a premier educational group committed to deliver quality education. The Group continuously adds to the national intellectual wealth by training a generations that exude our rich culture, human values, discipline, social responsibilities and national pride. TEG has constantly created assets that our society will always be proud of and cherish for a long time to come. Today, TEG comprises of three Trusts, 18 educational institutes on 8 spacious campuses with state-of-the-art infrastructure, accommodating over 50,000 students and over 3500 employees.

Institutes Managed by TEG

Thakur Vidya Mandir
High School & Junior College
(1990)

Thakur College of
Science &Commerce
(1992)

Thakur Polytechnic
(1998)

Thakur College of
Engineering and Technology
(2001)

Thakur Institute of
Management Studies, C D and R
(2001)

Thakur Institute
of Career Advancement
(2001)

Thakur Institute of
Management Studies & Research
(2002)

Thakur Public School
(2003)

Thakur Toonskool
Advanced Animation Academy
(2005)

Thakur Institute of
Aviation Technology
(2006)

Thakur Shyamnarayan College of
Education and Research
(2007)

Thakur International School
(2008)

Thakur Shyamnarayan
High School (English Medium)
(2013)

Thakur School of
Architecture & Planning
(2014)

Thakur Vidya Mandir
Global School (Azamgarh, U.P.)
(2016)

Thakur College of Science
(2016)

Thakur Ramnarayan College of
Arts & Commerce
(2017)

Thakur Ramnarayan
College of Law
(2018)

Host Institute

THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY

Estd. in 2001

The **Thakur College of Engineering & Technology (TCET),** an Autonomus Hindi Linguistic Minority Institute established in the AY 2001-02 with a clear objective of providing quality technical education in tune with international standards and contemporary global requirements. TCET offers 6 UG, 3 PG and 3 Ph.D. (Tech.) programmes. TCET is an **ISO 9001:2015** certified Institute. Certification has helped Institute to develop a process driven student centric system required for quality education in 21st century. As a result Institute is accredited by **NAAC with "A" grade** for five years and programmes are **accreditated by NBA** for three Years.

In the last decade the institute has put its best efforts to focus on outcome based education leading to holistic student development as per international graduate attributes (GA). Based on our strengths, the University Grants Commission (UGC) has conferred "Autonomous Status" for 10 years under the revised UGC graded Autonomy Scheme 2018.

As per the mandate of UGC under Graded Autonomy Scheme, TCET aspires to strengthen its program offerings to develop budding Engineers **"Globally Competent, Locally Relevant and Skill Oriented"** through:

✦ Cutting-edge Curriculum focused on Industry & Research needs with Innovative Teaching Learning Methodology.
✦ Specialization Courses in emerging technologies offered by the departments.
✦ Panoramic blend of academic and industry meets for domain research and specialization.
✦ Holistic approach for lifelong learning with Employability Skill Development (ESD) Curriculum.

Programmes offered Undergraduate (B.E.) Programmes

Course	Current intake	Starting Year	Accreditation & Affiliation Status
Computer Engineering (COMP)	180	2001	• 3rd time accredited for 3 years w.e.f. 01.07.2019 • Permanent affiliation w.e.f. Academic Year 2015-16 onwards
Electronics & telecommunication Engineering (E&TC)	120		
Information Technology (IT)	120		
Electronics Engineering (ELEX)	60	2008	• 2nd time accredited for 3 years w.e.f. 01.07.2019 • Permanent affiliation w.e.f. Academic Year 2017-18 onwards
Mechanical Engineering (MECH)	120	2012	In Progress
Civil Engineering (CIVIL)	120	2014	In Progress

Postgraduate(M.E.) & Doctoral (Ph.D. in Technology) Programmes

Course	Post Graduate Programme			Doctral Programme		
	Current Intake	Starting Year	Degree Awarded	Current Intake	Starting Year	Degree Awarded
Electronics & Telecommunication Engineering (E&TC)	18	2008	M.E.	10	2014	Ph.D. (Technology)
Information Technology (IT)	18	2011	M.E.	10	2016	Ph.D. (Technology)
Computer Engineering (COMP)	18	2011	M.E.	10	2017	Ph.D. (Technology)

Technocrat Partner Institutes

(2002)

Thakur Institute of Management Studies & Research

Thakur Institute of Management Studies & Research (TIMSR) was set up by the Thakur Education Group, under the aegis of Zagdu Singh Charitable Trust, in the year 2002 with the approval of the State Government and AICTE and is affiliated to the University of Mumbai for conduct of full time post graduate MMS Degree Programme and part time Programmes viz. MMM, MIM, MFM and MHRDM. The Institute also conducts its flagship full time PGDM Programme and certificate courses in collaboration with industry in specialized topics with commitment to train students with a special focus on ethical leadership and innovative entrepreneurship. The Institute has a vision of emerging as world class management institute and the mission to train students with an attitude of continuous learning, strong social commitment and ethical values for nurturing mindful leaders and entrepreneurs. The National Assessment and Accreditation Council (NAAC) has accredited TIMSR with A+ Grade for five years. The Institute has been ranked among Top 100 B-Schools by Times B School Survey at National level.

The Management's commitment for excellence is reflected in the marvellous infrastructure that is comparable to the finest institutions of its type in the country. The sprawling green campus with lawns, gardens, parking areas, hostel accommodation ensures academic ambience suitable for a center of higher education. With its world class infrastructure; qualified and experienced faculty members; well-equipped computer centre; well stocked library with books, journals, e-journals and having research section, reading room; Research & Development Cell, Student Development Cell and Industry Institution Interaction, the Institute offers quality management education through its Programmes. The students are given pre-placement training in relevant areas in the industry orientation sessions. The industries are invited to conduct campus interviews for short term internship and final placements. The Institute has signed number of MOUs with foreign institutions for faculty and student interaction, etc.

Mithibai College of Arts,
Chauhan Institute of Science &
Amrutben Jivanlal College of Commerce and Economics

Shri Vile Parle Kelavani Mandal is a Public Charitable Trust registered under the Society's Registration Act and Bombay Public Trust Act. From its humble beginnings in 1934, when it took over the Rashtriya Shala, a school established in 1921 in the wake of the National Movement, the Mandal today has grown into a big educational complex imparting high-level education to more than 35,000 students. The ethos of the Mandal, is marked by patriotic fervor, selfless service and a spirit of indigenous enterprise. These values permeate all the institutions set up by the Mandal and are the guiding principles for all of them. Over the past 77 years, the Mandal has developed a large educational complex in Vile Parle, in Suburban Mumbai and has spread its wings to metro cities like, Bangalore, Hyderabad, Chandigarh, Ahmedabad, Navi Mumbai, etc., SVKM today is proud of some of the finest educational institutes in the country like NMIMS deemed to be University, N.M. College of Commerce and Economics, Mithibai College, D. J. Sanghvi College of Engineering, Bhagubhai Mafatlal Polytechnic – to name a few. It has also in its family schools from Nursery to Secondary, Jr. College providing ICSE or IB, IGCSE curriculum or CBSE curriculum. With a strong vision and passion for being the pioneers of the modern education system, all SVKM institutes are state of the art, with ever expanding facilities and infrastructure.

From its beginning with the Swadeshi Movement, the Mandal has now grown into an educational foundation promoting global thinking consistent with national interest and promoting the values, professionalism, social sensitivity and dynamic entrepreneurship.

Technocrat Partner Institutes

St. John College of Engineering & Management

St. John College of Engineering and Management (SJCEM) provides facilities for professional education in the rural and tribal area of Palghar District near Mumbai by offering four year Degree Courses in Civil Engineering, Computer Engineering, Electronics and Telecommunications Engineering, Information Technology and Mechanical Engineering and three year Diploma courses in Civil Engineering, Electronics and Telecommunications Engineering and Mechanical Engineering. SJCEM also offers two year Post Graduate Degree Course - Masters of Management Studies. SJCEM is a college run by Aldel Education Trust which is a Christian Religious Minority Institution as notified by the Maharashtra State Minorities Development Department vide Order Dtd July 25, 2008 (Ref.: 2008/310/164/2008/1).

The college is situated within a lush green campus in a serene and quiet ambience at the St John Technical Education Complex, located at Vevoor, Palghar (East), district Palghar in Maharashtra. Palghar is a part of Mumbai Suburban Rail Network which extends up to Dahanu and lies on the Mumbai- Ahmedabad rail route 30 kms north of Virar. The college is on Palghar- Manor road about 1.5 kms from Palghar Railway station and about 18 kms from Manor (Mastaan Naka) on the Mumbai- Ahmedabad Western Express Highway and 105 kms from the Santacruz domestic airport, Mumbai.

Priyadarshini College of Engineering

Lokmanya Tilak Jankalyan Shikshan Sanstha (LTJSS) was founded in the year 1983 by a creative and dynamic visionary, Dr. Satish Chaturvedi. With his strong will, commitment, strength determination and strategic support of SMT. Abhatai Chaturvedi, the Sanstha has developed from its humble beginning into a mammoth entity.

When it came to the issue of nomenclature, the choice was inevitable. From the silver pages of history, the golden utterances of Lokmanya Bal Gangadhar Tilak - eminent mathematician, great educationist and social reformer who gave magic mantra of 'swaraj' laid the ideological foundation of the genesis of the Sanstha. The Sanstha founded in 1983 has its gargantuan corpus of 25 institutions striving unceasingly towards excellence in education and building the cerebral infrastructure of India as a nation powered with its human resources. Its approach to education is an uncompromising pursuit of excellence through human resources. The Sanstha with its world of academia ranging from kindergarten to post-graduate in engineering, pharmacy, architecture, management institutions, nurtures the fond dream of being the masthead of the journey of the nation from the dark realms of ignorance towards the illuminating energy of knowledge.

Other Partners

The Voice of Mumbai

The Free Press Journal is one of the oldest English Daily newspapers from Mumbai with a heritage of more than 88 years. And yet, The Free Press Journal is a contemporary paper and rooted in current urban realities.

In keeping with the international trend, it has reinvented itself in terms of design, get up and content. It means different thing to different people – a platform for the articulate, a trendsetter for the young and a chronicle for the old.

It was at the forefront of freedom struggle against the British and continues with the free and fearless journalism till date. Indeed, the history of The Free Press Journalism mirrors that of Indian independence.

CARNIVAL

After seeing the musical Bye Bye Birdie which opened on Broadway in April 1960, Merrick recruited the production's stage director/choreographer Gower Champion to act in those capacities for the Lili musical. Helen Deutsch would soon be dropped from Merrick's project, as Merrick was finding the drafts she was submitting unworkable for the stage. Feeling he could get the desired result more expediently working with a writer with stage musical experience, Merrick recruited Bye Bye Birdie writer Michael Stewart in September 1960, the invitation being made through Gower Champion. (In its final form Carnival would credit its book to "Michael Stewart based on material by Helen Deutsch".) A month after Stewart submitted his first draft for Carnival! - as the Lili musical project was entitled by November 1960 - the writer was fired by Merrick; however he was rehired thirty-six hours later. Magician Roy Benson was the magical adviser teaching Marco the magic used in the show.

Carnival! is a musical, originally produced by David Merrick on Broadway in 1961, with the book by Michael Stewart and music and lyrics by Bob Merrill. The musical is based on the 1953 film Lili. The show's title originally used an exclamation point; it was eventually dropped during the show's run, as director Gower Champion felt it gave the wrong impression, saying, "It's not a blockbuster. It's a gentle show."

IIDE — INDIAN INSTITUTE OF DIGITAL EDUCATION

IIDE is India's Premier School For Digital Marketing. Established in 2016, we have continuously strived towards imparting digital skills to learners. We have trained more than 20,000 students and we are associated with top colleges of Mumbai. With 4 branches, at Andheri, Mulund, Churchgate, and Navi Mumbai, we have grown 3x every year. As one of the country's best Digital Marketing Institute, we create a fun learning environment for its students.

Digital Skills are absolutely essential if you want to stay relevant in today's world. So, we have launched a School of Digital Marketing, Code and Design to train students and make them equipped for their future.

Collaborators

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Vote of Thanks

An event of this magnitude would not have been possible without the support of the management in providing the state-of-the-art-infrastructure and all necessary arrangements. I would like to express my sincere thanks to the Chairman, Secretary, Trustees, CEO and COO for their constant encouragement and continued valuable support for organizing programme.

I feel a deep sense of honor and privilege to express my gratitude to Dr. P. Chakrabarti, Mr. Ashok Sahane, Mr. P. N. Jumle, Dr. D. G. Wakde & Shri S. V. Rasal along with all the resource persons, delegates and other participants of this conference. The healthy discussions and deliberations by them in each session are going to bring constructive suggestions which certainly improve the understanding about the emerging trends in the field of Engineering & Technology. Their devotion and dedication in their respective fields of expertise has made this conference truly a knowledge hub. I also thank the patrons and the advisory committee for their co-operation and support.

I would also like to thank our Technocrat Partners i.e. Thakur Institute of Management Studies & Research, Mithibai College of Arts, Chauhan Institute of Science & Amrutben Jivanlal College of Commerce and Economics, St. John College of Engineering Management & Priyadarshini College of Engineering for associating with the event. Further, I thank the Media Partner, Free Press Journal, Cinema Partner, Carnival & Indian Institute of Digital Education (IIDE).

In addition to this, I would fail in my duty if I would not appreciate and acknowledge the participants, programme committee, teaching & non-teaching staff members, students who contributed to design & develop coffee table book and the support staff for their constant endeavour to make this conference a great success. Organizing any such event is a Herculean task which cannot be accomplished without the support of a strong and motivated team. I really thank them for their involvement and willingness to take on the completion of task beyond their comfort zones.

Lastly, I am indebted to those who directly or indirectly encouraged and supported us to make this conference an event of great learning!
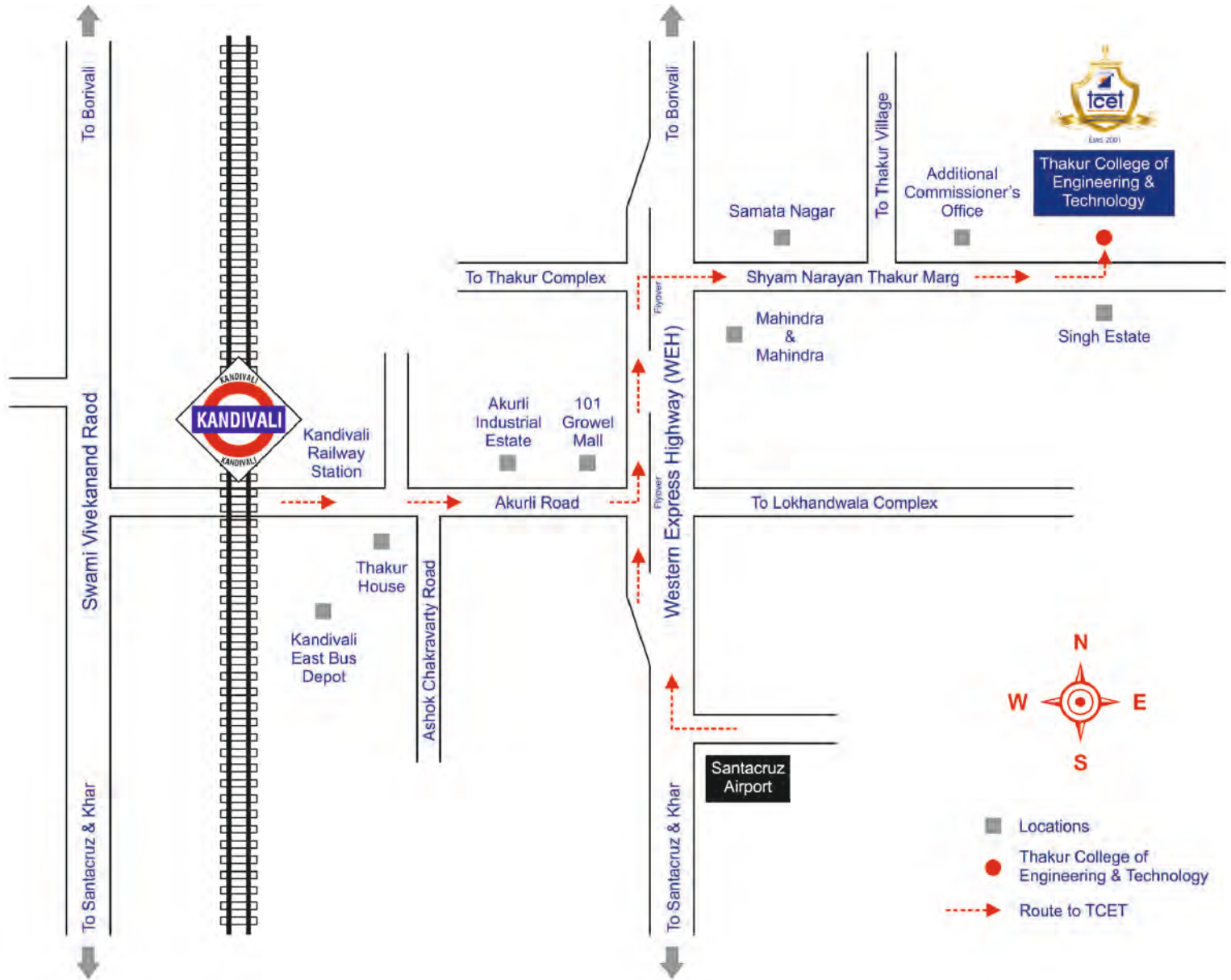
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Programme Schedule

Day - 1	Conference	Workshop
07.30 am - 08.45 am	Reporting and Registration	Reporting and Registration
08.45 am - 09.45 am	Breakfast & Registration	Breakfast & Registration
09.45 am - 10.00 am	Assembling in Auditorium	Start of workshop
10.00 am - 11.00 am	Inauguration in Auditorium	Workshop Continues
11.30 am - 01.00 pm	Keynote Address at respective conference venue	Workshop Continues
Lunch Break (01.00 pm - 02.00 pm)		
02.00 pm - 03.45 pm	Paper presentation session	Workshop Resumes
03.45 pm - 04.00 pm	Tea Break	Workshop Resumes
04.00 pm - 05.30 pm	Paper presentation session	Workshop Resumes
Day - 2	Conference	Workshop
08.45 am - 09.45 am	Breakfast	Breakfast
09.45 am - 11.00 am	Paper presentation session	Start of workshop
11.00 am - 11.15 am	Tea Break	Start of workshop
11.15 am - 01.15 pm	Paper presentation session	Start of workshop
Lunch Break (01.15 pm - 02.15 pm)		
02.15 pm - 03.45 pm	Paper presentation session	Workshop Continues
04.00 pm - 05.15 pm	Valedictory Function	Valedictory Function at respective venue
05.15 pm onwards	High Tea	Valedictory Function at respective venue

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Map labels:

To Borivali

To Borivali

To Thakur Village

Thakur College of Engineering & Technology

Samata Nagar

Additional Commissioner's Office

To Thakur Complex

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