

DEPARTMENTAL HIGHLIGHTS

ADVANCED DIPLOMA IN AUTOMOTIVE MECHATRONICS (ADAM)

ADAM is a course Developed in Collaboration with Mercedes-Benz India Pvt. Ltd. Automotive Mechatronics is a life-cycle activity that involves the multidisciplinary integration of automotive mechanical and electronic systems. The advanced diploma in Automotive Mechatronics is a recently established course, developed to respond to the clear demand in the sector for graduates with advanced skills and education in the specialised field. The highly specialize ADAM course contains Electrical, Mechanical, Electronics/ Embedded system, Vehicle Systems and Soft Skills modules. The training is imparted in the areas of Electrical & Electronics Technology, Advanced Automobile Systems / Engineering and its diagnosis, practical hands on experience on Mercedes-Benz Car, Mercedes-Benz India Pvt. Ltd. factory visit (optional), etc. The methodology is a self-reliant learning and team concept as being practiced successfully in MBIL in-house facility.



KIET DESIGN CLUB



To inculcate designing/drawing skills of students of department and enhancing employability of students further, excellent performance in common entrance examination for design (CEED). Students are motivated to teach next batch this process inculcate leadership quality among students in teaching-learning environment. Students of KIET design club secure first position in poster presentation of 'Kalam Annual Project and Poster Technical Competition - 2019 (KAPPTeC)' organized by Dr. A.P.J

Abdul Kalam Technical University, Lucknow. Club also won 1st prize in innovative product design LD College of Engineering Ahmedabad, Gujarat under 21st ISTE student National Convention. It trained almost 200 + students during last one year on software like CATIA and ANSYS. It also conducted three web-seminars by experts on Industrial Design from companies like Simens Design, Bangalore etc.

SAE INDIA COLLEGIATE CLUB of KIET

Club was incepted in October, 2008. It provides a platform to students for learning and innovating real engineering skills and encourages them to participate in different CDS events. The club has brought many laurels to the institutions and students have won prizes worth Rs. 18 lakhs till date. The club has also been awarded as Best Collegiate Club in SAE Northern India section. The club also has a strong alumni network working in leading automobile industries. At present the club has more than 150 active student members. Besides participation in different CDS events the Club also organizes workshops, industrial visits, guest lecturers for the student members.

The club not only won prestigious positions nationally but internationally as well. In the year 2019, the students of the club participated in NASA Human Exploration Rover Challenge 2019 for the first time. The team bagged the prestigious AIAA Neil Armstrong Best Design Award making INDIA proud at international level.



CONFERENCE SECRETARIAT

Chief Patron

Shri M. P. Jain
Honourable Chairman
KIET Group of Institutions

Patron

Dr. (Col) A. Garg
Director
KIET Group of Institutions

Conference Chairman

Prof. K. L. A. Khan
Head
Department of Mechanical Engineering

Conference Co-Chairman

Prof. Rupesh Chalisgaonkar

Coordinator & Conference Organising Chair

Prof. Arunesh Chandra

Conference Co-Coordinators

Dr. Subodh Kumar Sharma
Dr. Anurag Gupta

Technical Program Chairs

Prof. Ashish Karnwal
Dr. Sandeep Chhabra
Mr. Ajay Singh Verma
Dr. Krishna Vijay Ojha

Dr. Pratibha Kumari
Mr. Ajay Kumar
Dr. Shashank Mohan
Mr. Sachin Rathore

CONNECT WITH US

Prof. Arunesh Chandra
Department of Mechanical Engineering
KIET Group of Institutions
Phone: +91 9911037234
+91 9808621738
+91 8881548979
Website: <https://www.kiet.edu/itme2019>
Email Id: itme2019@kiet.edu



Delhi-NCR, Meerut Road (NH-58)
Ghaziabad-201206, Uttar Pradesh, INDIA



KIET
GROUP OF INSTITUTIONS

Delhi-NCR, Meerut Road (NH-58)
Ghaziabad-201206, Uttar Pradesh, INDIA
Toll Free No.: 18003130056



International Conference

Innovative Technologies in Mechanical Engineering

ITME-2019

18th-19th October, 2019

Sponsored by AICTE



Organized by

Department of Mechanical Engineering
KIET Group of Institutions

In collaboration with
Cranfield University, UK



ABOUT KIET

Krishna Institute of Engineering & Technology (KIET) was established in 1998 by Krishna Charitable Society at Ghaziabad, U.P. It is located on the Ghaziabad – Meerut Highway. Presently, KIET Group of Institutions has more than 5400 students on its roll, a substantial growth in 21 years, to meet the needs of quality technical education in U.P. The institute is accredited by National Assessment and Accreditation Council (NAAC) with Grade 'A' for 5 years and certified by ISO 9001-2008. KIET has been awarded “Excellence Award” by our parent University, Dr. A.P.J. ABDUL KALAM Technical University for imparting quality education. KIET has repeatedly earned a vital position in the Overall Rank Band of 151-200 for Engineering discipline amongst 906 Engineering Institutions in 2018 and among 1007 Engineering Institutions in 2017 by National Institutional Ranking Framework (NIRF) - India Ranking by MHRD, Govt. of India. KIET is an approved Research Centre of Dr. A.P.J. ABDUL KALAM Technical University with unique global standards of teaching learning experience, Research & Development, quality placement and Entrepreneurship.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department of KIET has a reputation of being among the finest in the state and is dedicated towards the advancement of technology and science. The department was established in 1999 with the objective to impart quality education in the core field of Mechanical Engineering. The department was accredited in the year 2005, 2009 and 2015 and 2018 by National Board of Accreditation (NBA) of AICTE. The department has an excellent industrial interaction and contributes to the industry by offering consultancy services.

ABOUT THE CONFERENCE (ITME-2019)

Innovative Technologies in Mechanical Engineering (ITME -2019) is going to be held in the Department of Mechanical Engineering, KIET Group of Institutions, Ghaziabad, Uttar Pradesh, India on October 18 -19, 2019. As new technologies are introducing every day that will drastically transform the future of this mechanical engineering. The aim of the conference is to provide a forum to researchers around the globe to explore and discuss on various aspects of fields. The conference consists of various sessions and includes keynote and parallel sessions. Each session will be addressed by outstanding experts who will highlight the recent advances in various facets of mechanical engineering. It will also offer the budding researchers an opportunity to present their work in front of eminent experts of their fields. Discussion on the latest innovations, trends and practical concerns and challenges faced in these fields are also encouraged. Innovation will bring added value and widen the employment base. The present conference attempt to establish some robust and mutual interactions and cooperation with scientific educational, governmental and non-governmental organizations, and industries across local, national and international levels to meet the following objectives:

- Creating contacts as possible to provide a means for scientific and industrial exchanges.
- Boosting the scientific and research collaborations with other scientific centres in the country and around the world.
- Promoting the basic and applied research in mechanical engineering, identifying the top ideas and turning them into productive projects.
- Strengthening the interaction and communication between educational institutions and the industries.
- Finding out the latest scientific achievements and research methods.
- To encourage academicians for doing more research work and innovations.

PARTICIPATION

The Conference is aimed at an exchange of ideas and concepts among a broader group including:

- Academicians
- Students
- Researchers
- Entrepreneurs and Business Leaders
- Innovators

GUIDELINES FOR AUTHORS

Soft copy of the full length paper in the given MS word format must be submitted before **20th August 2019** through **easy chair** available on conference website <http://www.kiet.edu/itme2019>. The research paper can also be submitted at Email Id: itme2019@kiet.edu. All the submitted Full Length Papers will be reviewed and evaluated based on the originality, technical aspects, research depth, authenticity of the data used and relevance to the theme of the conference. The work should be original and should not have been published in any Journal or proceedings. The acceptance/rejection notice will be intimated to author by 16th September 2019.

The accepted, presented and extended papers will be published in SCI/SCI-E/SCOPUS indexed Journal/Proceeding.

CONFERENCE THEMES

The conference will highlight the related focused areas based on the following themes

- Engineering Design and Mechanism
- Robotics and Mechatronics
- Tribology
- Composite materials
- Nanotechnology
- Smart and Advanced materials
- Conventional and non-conventional machining
- Hybrid machining
- Micro-Machining
- Solar air heaters and concentrators
- Biomass and biogas
- Wind turbines
- Ergonomics and Work Study
- Supply chain and logistics
- Product Design and Development
- Heat and mass transfer
- Combustion and fuels
- Refrigeration and Air-conditioning system
- Welding and its metallurgy
- Non-destructive evaluation of material
- Forming and casting
- Automobile design and manufacturing
- Noise, vibration and harshness control
- Vehicle safety and pollution
- Rapid prototyping
- Optimization, modelling and simulation
- CAD/CAM/FMS/CIMS/FEM/FEA/CFD

IMPORTANT DATES

Abstract Submission Deadline	30 th June 2019
Acceptance of Abstract	15 th July 2019
Full Paper Submission Deadline	20 th Aug 2019
Acceptance of Full Paper	16 th Sep 2019
Deadline for Early Bird Registration	30 th Sep 2019
Last date of Registration	9 th Oct 2019
Date of conference	18 th -19 th Oct 2019

REGISTRATION FEE

Category	National Delegates (INR)		International Delegates (USD)	
	Early Bird	Last date	Early Bird	Last date
Delegates from Industry	6000	6500	250	300
Delegates from Academic Institutions	5000	5500	150	200
Research scholars/Students	3000	3500	125	150
For Attending Only	1000	1500	100	125

ADVISORY BOARD

Prof. Eng. Dimitar G. Petrov, Technical University Sofia, Bulgaria
 Prof. Dae-Eun Kim, Yonsei University Seoul, South Korea
 Prof. Christopher B. Mayhorn, North Carolina State University Raleigh
 Prof. Chai Ching Tan, Mae Fah Laung University, Bangkok
 Prof. Louis E. Freund, San Jose State Univ. USA
 Prof. Akhtar Kalam, College of Engineering & Science, Victoria University, New Zealand
 Prof. Biswa Nath Datta, Northern Illinois Univ., USA
 Prof. Dr. Mitjan Kalin, University of Ljubljana, Slovenija
 Prof. Michael M Khonsari, Louisiana State University, USA
 Dr. Saurav Goel, Cranfield University, U.K.
 Dr. Vijay Kumar Thakur, Cranfield University U.K.
 Prof. Vrutang V Shah, Oregon Health and Science University, US
 Prof. Deepesh Kumar, SINAPSE, NUS, Singapore
 Dr. Vipul Jain, Victoria University of Wellington, New Zealand
 Prof. Manoj gupta, National University of Singapore
 Prof. I.A. Magami, King Khalid University, KSA
 Prof. Nitin Upadyay, University of Modern Science UAE
 Prof. Muhammad Ekhlasar Rahman, Curtin University, Sarawak, Malaysia.
 Prof. Mohd. Nadeem Khan, Al Majma Univ., KSA
 Prof. G.N. Tiwari, IIT Delhi
 Prof. Sunil Pandey, IIT Delhi
 Prof. Pulak Mohan Pandey, IIT Delhi
 Prof. Aravindan, S., IIT Delhi
 Prof. Rajesh Prasad, IIT Delhi
 Prof. Puneet Mahajan, IIT Delhi
 Prof. S. K. Panda, IIT BHU
 Prof. Pradeep Kumar, IIT, Roorkee
 Prof. Mohd. Muzammil, AMU, Aligarh
 Prof. Rakesh Sehgal, NIT Srinagar
 Prof. Dixit Garg, NIT Kurukshetra
 Prof. Pankaj Chandna, NIT Kurukshetra
 Prof. Rajeev Srivastava, MNNIT Allahabad
 Prof. Hari Singh, NIT Kurukshetra
 Prof. Punit Kumar, NIT Kurukshetra
 Prof. P. K. Saini, NIT Kurukshetra
 Prof. A.P. Patil, VNIT, Nagpur
 Prof. D. R. Peshwe, VNIT, Nagpur

Prof. S.K.Garg, DTU Delhi
 Prof. Reeta Wattal, DTU Delhi
 Prof. Rajesh Agarwal, DTU Delhi
 Prof. Amit Pal, DTU Delhi
 Prof. Naveen Kumar, DTU Delhi
 Prof. Amitava Mandal, NIFFT Ranchi
 Prof. R.S. Walia, PEC Chandigarh
 Prof. M. M. Hasan, JMI New Delhi
 Dr. Akhilesh Kumar Singh, IIT, BHU
 Dr. Jatinder Kumar, NIT Kurukshetra
 Dr. Siddhartha Vashishtha, NIT Hamirpur
 Dr. Amit Tyagi, IIT BHU
 Dr. Rajneesh, NIT Kurukshetra
 Dr. Praveen Aggarwal, MNNIT Allahabad
 Dr. Varun Goel, NIT Hamirpur
 Dr. Garish Kumar, DTU Delhi
 Dr. Devendra Singh, IIT Roorkee
 Dr. Rakesh Kumar Gautam, IIT BHU
 Dr. G S Mahobia, IIT BHU
 Dr. Satyender Singh, NIT Jalandhar
 Dr. Mohit Tyagi, NIT Jalandhar
 Dr. Balaji P. S., NIT Rourkela
 Dr. Poonam Kumari, IIT Guwahati
 Dr. Krishan Kant Agarwal, IIT Delhi
 Dr. Varun Sharma, IIT Roorkee
 Dr. Param Singh, NIT Hamirpur
 Dr. R.V. Taiwade, VNIT, Nagpur
 Dr. Ruchi Khare, MANIT, Bhopal
 Dr. Ashis Mallick, IIT, Dhanbad
 Dr. Sachin Kumar Singh, IIT, Dhanbad
 Dr. Rajesh Prasad Mishra, BITS Pilani
 Dr. Arun Kumar Pandey, BIT Jhansi
 Dr. Amanesh Kumar, NIFFT, Ranchi
 Dr. Nathi Ram Chauhan, IGDTUW, Delhi
 Dr. Ajay Singholi, G B Pant College, Delhi
 Prof. Rajneesh Garg, UPES, Dehradun
 Dr. Mohd. Tariq, SHIATS, Allahabad
 Dr. Syed Shane Haider Rizvi, J.M.I. New Delhi
 Dr. Pushpendra Singh Bharti, Guru Gobind Singh Indraprastha University, Delhi
 Dr. Manoj Soni, IGDTUW, Delhi
 Dr. Raj Kumar Porwal, SGSITS Indore
 Dr. Ratnesh Kumar Raj Singh, Thapar, Punjab
 Mr. Yadunath Kulkarni, Mercedes-Benz
 Mr. Suhas Kshirsagar, Mercedes-Benz

MODE OF PAYMENT

Payment through NEFT/RTGS/IMPS or DD in favour of KIET Group of Institutions payable at GHAZIABAD

Account Details	For National Delegates	For International Delegates
Name	KIET Group of Institutions	Krishna Institute of Engineering & Technology
A/C NO.	508011003720	125601000763
IFSC Code/SWIFT Code	KKBK0005295	ICICINBBNRI
Bank Name	Kotak Mahindra Bank	ICICI Bank Ltd.
Branch	Navyug Market, Ghaziabad 201001	Ambedkar Road, Opp. Nehru Yuva Kendra, Ghaziabad