

2nd International Conference on “Advances in Applied Sciences, Engineering and Technology”

AASET – 2021

Day 1:

K.R. Mangalam University organized 2 Day Virtual International Conference: ‘Advances in Applied Sciences, Engineering and Technology’ on 20th -21st May 2021 through virtual mode using MS Teams. The School of Engineering and Technology (SOET) along with the School of Basic and Applied Sciences (SBAS) have jointly conducted this event with the following objectives:

- To highlight how Engineering and basic sciences, consultants can collaborate and join hands to create an inter-disciplinary approach for its aspirants.
- To explore unprecedented opportunities in the field of engineering in amalgamation with basic science aspects.
- The aim of this conference was to bring together leading researchers, academicians, technocrats, practitioners and students to share their knowledge and experiences in applied sciences and engineering.
- To provide researchers, academicians and industry experts, research scholars and students with strong research orientation, a forum for developing, discussing and presenting new ideas and embryonic phenomena in digital transformation in the new world.

The Conference commenced at 10:00AM with a greeting address by Dean SBAS Prof. (Dr.) Meena Bhandari. The conference started with Sarasvati Vandana. Prof. Bhandari acknowledge the presence of national/international advisory members, guest, dignitaries, researchers and participants to join the conference in the tough time of pandemic. She thanked all the sponsors for their contributions. She welcomed honorable chancellor prof. Dinesh Singh and thanked for sparing his precious time to guide us for his presence and consistent support to university. Prof. Dinesh addressed the participants and faculty members with his valuable words. In his speech he emphasized on hands on learning, interdisciplinary learning and innovative practices in learning. He illustrated his ideas with numerous examples and said a few beautiful lines “Good things happen, when good minds put together”. He also explained the usage of data analysis in real world problems for better predictions.

Prof. P. Prakash, honorable Vice chancellor Prof. P. Prakash enlightened the inaugural session with his words of wisdom and asked to focus on outcome based education. He introduced the chief guest honorable Pro. M. P. Poonia, Vice chairman, AICTE, New Delhi.

Prof. Poonia expressed his sincere gratitude to the guests, convener, delegates and participants. He shared his deep knowledge in strong foundation of students. He focused on empowering the rural areas also, with the intervention of technology. He shared a few Mahatma Gandhi’s life experiences

to make us understand that a lengthy introduction is not required for big people, because their long introduction should not speak about them, but their work and wisdom should speak about them. to recognize them. He also explained the need of critical thinking, problem solving and decision taking capabilities to increase employability for students.

Prof. P. Tripathi, Pro Vice Chancellor, shows her pleasure to join the conference. She elaborates the role of education in building a good society. She motivate the participants to be active in research and latest trends of technology. In her motivational and inspirational speech, she advised everyone to join hands together and make things successful.

Prof. Srinivasan, Prof. V. K. Sayal, , Dr. T. D. Bhatt, Dr. Sanjay Pandey joined us as an eminent speakers and shared their deep knowledge of various areas.

The dignitaries discussed about interdisciplinary researches, the most recent innovations, trends. The Paper Presentations started in parallel fashion, categorized into two technical sessions for SOET headed by an external examiner with assistance of internal evaluator from respective schools and marked the successful completion of day 1.







Day 2:

Prof. Krishan Lal

The 2nd day of Virtual International Conference'21 began with a Plenary session 2.0. First speaker of the session was Dr. Subhash Sharma (Research Scientist- Conacyt-Catedras) shared his knowledge on search for a practical multiferroic material for new generation devices. After Dr. Subhash, Prof. Krishan Lal enlighten the audience with his innovative ideas on various domains of research. His discussed precision measurement which is a key to progress in science and technology. After this the technical session started for SBAS headed by an external examiner with assistance of internal evaluator from respective schools.

At 1:30PM, Dr. Dilrajpreet Kaur presented the report of conference. She addressed Prof. Anil D Sahasrabudhe, Chairman, AICTE, New Delhi. He motivate the audience and blessed everyone to keep growing in research. Then Dr. Kaur announced the two best papers of the conference.

The valedictory session was addressed by Prof. P. Prakash and Pro. Tripathi.

Vote of Thanks was conferred by Dr, Dilrajpreet Kaur. She expressed her gratitude towards the plenary speakers for presenting excellent coverage on various contemporary topics. Moreover, she acknowledge & appreciate the theme of this event and participants from various universities who graced the conference with their research papers on respective sub-themes. She appreciated the efforts of the organisers, faculty members and students of SOET & SBAS for conducting a well-organized 2 Day International Conference.

Dr. Vineet Dhaiya (Coordinator-SOET) thanking address marked the successful completion of K.R. Mangalam University's 2 Day Virtual International Conference on 'Advances in Applied Sciences, Engineering and Technology'.

Registration Form

2nd International Conference on "Advances in Applied Sciences, Engineering and Technology"

AASET – 2021

Name:.....
Designation:.....
Organization:.....
E-Mail:.....
Mobile:.....
Title of the paper:.....
Mode of Presentation:.....

A/C DETAILS

NEFT/DD In favour of K.R. MANGALAM UNIVERSITY, YES BANK
LTD., SOHNA, DISTT. GURUGRAM - 122103
A/C NO. - 014094600000368 | IFSC - YESB0000140

CONTACT DETAILS

K.R.MANGALAM UNIVERSITY
SOHNA ROAD, GURUGRAM DELHI NCR.
EMAIL: aaset@krmangalam.edu.in, neeraj.gupta@krmangalam.edu.in
meena.bhandari@krmangalam.edu.in
PHONE: +91-8800697010, 011-48884888
HELPLINE: 0124-2867800
www.krmangalam.edu.in

Conference Committee

Chief Patron
Prof. Dinesh Singh, Chancellor, KRMU

Patrons
Dr. P. Prakash, Vice-Chancellor, KRMU
Prof. P. Tripathi, Pro-Vice-Chancellor, KRMU

Co-sponsors
Dr. Meena Bhandari, SBAS, KRMU
Dr. Neeraj Gupta, SOET, KRMU

Co-conveners
Dr. Dilraj Preet Kaur, SBAS, KRMU
Dr. Vineet Dahiya, SOET, KRMU

Organizing Committee
Faculty, School of Engineering & Technology
Faculty, School of Basic and Applied Sciences
International Advisory Board Members
Prof. Tzung-Pei Hong, National University of Kaohsiung, Taiwan
Dr. Sukanta Roy, Curtin University, Malaysia
Dr. Umesh Kumar, Design Head Saxon Engineering Private Limited, Adelaide, Australia
Dr. Teerawat Issariyakul, National Telecom Public Company Limited, Thailand
Dr. Dheeraj Rathore, AI Data Scientist, Provide CIC, United Kingdom
Dr. Jung-Shan Zhao, Associate Professor Department of ME, Tsinghua University, China
Dr. Mukesh Kumar Thakur, Czech Academy of Sciences, Prague
Dr. Rahul Biswas, Lead AI Scientist Target Corporation, Minneapolis, USA

National Advisory Board Members
Dr. R. C. DeKa, Former Director, AIIMS, New Delhi
Dr. Krishan Lal, CV Raman Chair, K. R. Mangalam University, Gurugram and Former Director, NPL, New Delhi
Dr. Dheeraj Joshi, Professor, DEE, Delhi Technological University, New Delhi
Prof. (Dr.) Vijay Nehra, School of Engineering and Sciences, B.P.S. Mahila Vishwavidyalaya, Sonapat
Prof. M. N. Hoda, Director BVICAM, New Delhi
Prof. R. K. Vyas, University of Delhi, New Delhi
Prof. (Dr.) V. May Bhatia, Department of Electronics and Communication Engineering, Chandigarh Engineering College, Landran
Prof. (Dr.) Q. Quanrul Hassan, Department of Civil Engineering, Jamia Millia Islamia, New Delhi
Dr. Naveed Ahsan, Department of Civil Engineering, Jamia Millia Islamia, New Delhi
Dr. PMV Subbarao, Professor ME IIT Delhi
Dr. Shiv Sharma, Professor, ITM, Greater Noida
Dr. Ranjit Varma, Director, DTC, Greater Noida
Dr. Leena G, Professor, FET, EEE, MRIIRS, Faridabad
Dr. Dipali Bansal, Professor, Graphic Era University, Dehradun
Dr. Munish Vashisht, Professor, J.C. Bose University of Science and Technology, Faridabad
Dr. Sanju Nanda, Faculty of Pharmacy, Dean MDU, Rohtak
Dr. Nidhi Choudhary, Professor, Amity University, Noida
Dr. Ashutosh Tiwari, Senior Power and Application Energy Engineer, L&TECC, Chennai
Dr. Kandasami Asokan, Scientist G, IUAC, New Delhi
Dr. Hari Krishna Singh, Senior Principal Scientist, CSIR, New Delhi
Dr. Rakesh Kumar Divedi, Professor, JIIT, Noida
Dr. Anita Khosla, Professor, MRIIRS, Faridabad
Dr. Devraj Singh, Professor, RSIPS, Jaipur
Dr. Shiv Kumar Kaushik, Professor, University of Delhi
Dr. Sunil Kumar, Associate Professor A, University of Delhi
Dr. Vikrant Saxena, Assistant Professor, IIT, Delhi
Dr. Manish Gupta, Associate Professor, MIT, Moradabad
Dr. Renu, Associate Professor DPK ITM, Guwahati
Dr. Rajesh Saluja, Assistant Professor, Amity University, Noida
Dr. Amitava Choudhury, Assistant Professor, UPES, Dehradun
Dr. Amit Kumar Singh, Assistant Professor, Dr. BR Ambedkar National Institute of Technology, Jalandhar
Dr. Deepak Sharma, Assistant Professor, ME, NIT Hamirpur



K.R. MANGALAM UNIVERSITY
EDUCATION FOR LIFE
Recognized under the Section 2(f) of the UGC Act 1956

2nd International Conference on "Advances in Applied Sciences, Engineering and Technology" AASET – 2021 May 20-21, 2021



Academic Collaborators



Sponsors



Technically
sponsored by



Phone No : +91-8800697010, Help Line No : 011-48884888
E-mail: neeraj.gupta@krmangalam.edu.in

K.R. Mangalam University

K. Mangalam University is located at wonderful location in magnificent view of Aravalli hills. The campus is beautiful having all facilities and resources for conducting learning environment. The University offers a large number of UG, PG and Doctoral programs in Applied Sciences, Engineering, Computer Sciences, Pharmacy, Business Management, Education, Media Studies, Law, Governance, Architecture, Hotel Management, Agriculture etc.

University has an excellent infrastructure with state-of-the-art laboratories, computer labs, library and campus wide Wi-Fi facility. The University is ably led by the Chancellor Prof. P. Singh, who is a great visionary and educational administrator. VC Prof. Deependra Kumar Jha and Pro-VC Prof. P. Tripathi, ensure innovative pedagogy, quality of teaching and research.

K. Mangalam University has been a niche to the learned faculty members from all fields. The University has been organizing many National and International events in different areas funded by reputed government / non government agencies

About the Conference

Research in Applied Sciences, Engineering and Technology played a vital role in improving human life to a very great extent. With the development of instrumentation and computational facilities research on frontier areas has gone manifold. The discussion on the frontier areas of research in interdisciplinary streams has always yielded novel ideas and innovative research. In view of this, the 2nd International Conference on Advances in Applied Sciences, Engineering Technology (AASET-2021) is meticulously planned in picturesque campus of K.R. Mangalam University to foster innovative ideas from researchers, scientists, academicians, industry professionals and students.

Call for Papers

AASET-2021 is the premier forum for the presentation of new advancements and research in the fields of Fundamental Sciences, Applied Sciences and Engineering

Topics of Interest for submission include, but are not limited to:

- Material Science
- Smart Materials
- Condensed Matter/Theoretical Physics
- Life Sciences/Environmental Sciences
- Synthetic Organic & Inorganic Chemistry
- Natural products & Medicinal chemistry
- Optical & Quantum Electronics
- HVAC and Automation
- Wireless Communication, IOT, 5G
- Antenna Design
- Communication Networks
- Algorithms for optimization
- Blockchains
- Cyber Security and dataforensics
- Thermal Engineering
- Renewable source of Energy
- Machine Learning
- Smart Cities
- Recent Advances in Civil Engineering
- Recent Advances in Mechanical Engineering
- Bridge and Tunnel Engineering
- Smart Grids
- Computational Fluid Dynamics
- Adaptive Manufacturing
- Robotics
- Challenges and Solution for COVID

Mode of Presentation:- Online through MS Teams/Offline

Paper Submission Details

Original Technical papers related to the given topics are invited for the presentation at the conference. Authors are requested to strictly adhere to the specified format. Papers will be accepted only after peer review process and plagiarism check. The accepted papers will be published in conference proceedings with ISSN Number.

Full length paper submission: 2000 - 6000 words

Full length paper submission link:

<https://easychair.org/conferences/?conf=aaset21>

Web Site Link: <https://krmangalam.edu.in/2nd-international-conference-aaset-2021/>

Registration Fee

Students/Research Scholars : (Online mode)	₹300
Faculty (Online mode)	₹500
Faculty/Research Scholars (Offline mode in campus)	₹700
Industry Delegates:	₹1000
International Delegates:	\$50

At least one author of each accepted paper must be registered for the conference. Accepted papers will be presented in oral/poster sessions. Please note that the conference committee reserves the right to assign presentation as oral/ poster. All the communications will be sent through email.

Important Dates

Full Length Paper Submission	: April 20, 2021
Plagiarism Report Notification	: April 25, 2021
Peer Review Notification	: May 05, 2021
Camera Ready Submission	: May 12, 2021

Invited Speakers

- Dr. Teerawat Issariyakul, NTPCL, Thailand
- Dr. Romila Manchanda, University of Michigan, USA
- Dr. K Srinivas, Senior Principal Scientist, CSIR/ICT Hyderabad
- Dr. Haider Raza, School of Computer Science and Electronic Engineering, University of Essex, UK
- Dr. Sanjay Sinha, Professor, DEE, Amity University, Noida
- Dr. Subash Sharma, Department of Advanced Materials, Ensenada, Baja California, Mexico.

Glimpses of 1st AASET

