



MEHRAN UNIVERSITY
OF ENGINEERING & TECHNOLOGY
JAMSHORO, PAKISTAN

Institute of Information & Communication Technologies
(IICT)

Report of activities such as conferences, meetings,
seminars, book publications etc.

2021-22

ICT Endowment Fund for Sustainable Development

ICTEFSD
ICT ENDOWMENT FUND FOR
SUSTAINABLE DEVELOPMENT

Appreciation for Huawei ICT Competition Winners **14 January 2021**

Vice Chancellor Prof. Dr. Mohammad Aslam Uqaili, Pro Vice Chancellor Prof. Dr. Tauha Hussain Ali met with the winners of Huawei ICT Middle East Competition 2020.

Huawei is promoting the technology of the ICT industry by introducing a competition in which students of different countries compete against each other at the International level.

Technologies covered in the Huawei ICT competition are Routing and Switching, Security, WLAN, AI, 5G, Cloud Computing, and Storage.

It is a moment of pride for Mehran University that two students of the Telecommunication Department participated in the Huawei ICT Middle East Competition 2020 and won first and second positions in the Middle East Finals respectively.

Pak Team 1 members “Asadullah (MUET), Kalimullah (NUST), and Maria (NUST)” and Pak Team 2 members “Saqib Hussain (MUET), Fawad Khan (BUIITEMS), and Umair Imran (UCP)” of Pakistan have won 1st and 2nd positions in the Huawei ICT Middle East Competition 2020.

They were given an honorarium of \$20,000, Huawei Mate Book X Pro, and HCIE vouchers to Team 1, and similarly, Team 2 won Huawei P40 Pro mobiles and HCIE vouchers as a winning prize. Both teams of Pakistan will participate in the Global Competition to compete against 100+ countries from all over the world.

The procedure and the selection criteria of the said competition are as follows:

- 1st Round: 12,000 students from all over Pakistan participated in this competition.
- 2nd Round: Top 500 students were selected from 12,000 for the Preliminary Round.
- 3rd Round: 30 students were selected from the top 500 for the Interview.
- 4th Round: 10 students were from MUET Jamshoro who cleared the HCIA Certification Exam, competing with all the provinces of Pakistan.
- 5th Round: 8 students from the whole of Pakistan were selected for the Regional Finals, out of the 3 were from Sindh, Mehran University, Telecommunication Department.
- 6th Round: Top 6 students from different universities participated in the Huawei ICT Middle East Competition 2020.

From all over Sindh Region only MUET students have reached into the Huawei ICT Middle East Competition 2020. Both students would like to acknowledge and appreciate the efforts of their University Administration and all the teaching faculty especially Dr. Faheem Khuhawar for their continuous support to achieve this milestone.



Thinking for more facilitation of students
25 January 2021

IT Applications Review meeting held at Senate Hall, Prof. Dr. Mohammad Aslam Uqaili Vice Chancellor MUET chaired meeting, IT related officers and Professors attended meeting.



**An online declamation contest organized by Department of Electronic Engineering
27 January 2021**

The Department of Electronic Engineering, Mehran UET organized an online Declamation contest on 27th January, 2021. The event was held at AV conference room, and presided by respected Chairperson Prof. Dr. Nighat Arbab. Prof. Dr. Mukhtiar Ali Unar, Dean Faculty of Electrical Electronics and Computer Systems Engineering was the Chief Guest of this declamation contest. The aim of this contest was to enhance the public speaking skills and develop the understanding of social and technological issues among the students of electronic engineering department.



**QUEST PhD Faculty visited MUET
3 February 2021**

Prof. Zeeshan Khatri of the MUET textile engineering department, the focal person of the university's Centre for Excellence in Nanotechnology and Materials, Dr. BS Chowdhry, Professor Emeritus, and Co-PI National Center for Robotics and Automation (NCRA) Condition Monitoring System Lab (CMS Lab), and Dr. Tanveer Hussain Phulpotto, advisor Student affairs, delivered talk on MUET's Research and Entrepreneurial culture to the visiting PhD faculty from Quaid-e-Awam University Of Engineering, Science & Technology Nawabshah.



**MUET, Tear Fund Ink Agreement For Safe Disposal Of Waste Material
4 February 2021**

Turning plastic and other waste into green products, to improve the environment and provide poor people of Sindh improved health and livelihoods, Mehran University of Engineering & Technology Jamshoro and Tearfund organization join hands to initiate a revolutionary project to make a difference. In this regard a signing ceremony of the project was held at Mehran University of Engineering & Technology Jamshoro, graced by Prof. Dr. Tauha Hussain Ali Pro Vice Chancellor MUET, Jamshoro as chief guest of the event.



Researchers of NCRA HHRCMS Lab NED UET Visits MUET 9 March 2021

National Center of Robotics and Automation – Human Haptics and Robotics lab delegation comprised of 16 researchers led by Dr. Riazuddin (Principal Investigator and Director of ORIC – NED, Karachi) paid a visit at National Center of Robotics and Automation, Condition Monitoring Lab, MUET on 8th March, 2021. Delegation Meets with Prof. Dr. Mohammad Aslam Uqaili Vice Chancellor MUET. Delegation was warmly welcomed by National Center of Robotics and Automation – Condition Monitoring Lab (MUET, Jamshoro), Co- Principal Investigators: Prof. Dr. Bhawani Shankar Chowdhry and Prof. Dr. Tanweer Hussain. The delegation was presented with progressive report of Condition Monitoring lab at Video Conference Hall by Engr. Ali Akbar Shah which was followed with a visit at Research and Cubicle lab and Antenna lab at Telecommunication department (MUET).The delegation was demonstrated with several national level projects and later went on a visit to Pakistan’s first Auxiliary Track recently developed by Condition Monitoring Lab under collaboration with Pakistan Railways. The delegation expressed their satisfaction on the progress of Condition Monitoring Lab and discussed several future collaboration opportunities with NED, Karachi in which MUET can contribute in.



NEPRA Chairman interacts with students of Electrical Engineering, MUET 11 March 2021

Tauseef H. Farooqi chairman National Electric Power Regulatory Authority NEPRA, visited Mehran University of Engineering & Technology, Jamshoro where he joined an interactive session with students of Electrical Engineering MUET, Jamshoro followed by the Q&A session where students raised technical questions answered by chairman NEPRA and accompanying guests visiting MUET. Prof. Dr. Tauha Hussain ali Pro Vice Chancellor MUET in his welcome speech appreciated the visit to Mehran and hoped for further collaborations. session concluded with presentation of shields and cultural souvenirs to the guests.



Pakistan Innovation Roadshow 2021 15 March 2021

Focusing on the need for innovation and technology, a mega event “Pakistan Innovation Roadshow 2021” was held at Mehran university of Engineering and technology Jamshoro on 13 th of March 2021 in the main auditorium. The event was organized by collective efforts of Dr Qasim Ali, Associate Professor, Software Department (MUET) and Ejad Labs. The agenda included youth startup and facilitation of techno labs here in Mehran University of Engineering and technology. The event was made memorable by honorable presence of chairperson HISHA and Advisor to Vice Chancellor MUET Dr Bhawani Shanker Choudhary , Dr Khan Muhammad Brohi and Dr Fahemullah Shaikh .The respectable guests included Rehan Allahwala , Mr. Arzish Azam from Ejad lab and Miss Naila from PITB Lahore.



QEC Team of MUET awarded Excellent Performance Award March 16, 2021

Higher Education Commission (HEC), Pakistan Quality Assurance Agency QAA conferred award upon QEC Team of MUET for Excellent Performance at the Annual Progress Review meeting on 9th-10th March 2021 at Sukkur IBA University, Sukkur. MUET holds the distinction of consistent high performance and has remained among the top Higher Education Institutions (HEIs). Yearly Performance review carried out by HEC QAA is a multifaceted assessment to regularly measure quality at HEIs. The assessment scores are based on a comprehensive set of over 50 parameters. The most significant parameters include Self Assessment, Institutional Performance Evaluation, Program Review Assessment of HEI and Continuous Quality Improvement (CQI) framework.



Online declamation contest organized by Electronic Engineering department

18 March 2021

Department of electronic engineering arranged concluding ceremony of online declamation contest held on 27th January 2021, winner students, judges, organizers and faculty members attended the closing ceremony, winner students were awarded with cash prizes and certificate of appreciation.



Sindh HEC Capacity Building Workshop

24 March 2021

Sindh Higher Education Commission to conduct a series of "Capacity Enhancement Programme (CEP)" trainings for all public sector universities of Jamshoro at MUET to improve employee performance and increase their confidence and work satisfaction, Sindh Higher Education Commission has planned a series of "Capacity Enhancement Programme (CEP)" trainings. The first of such trainings, a 4-week training designed for IT related staff, started at the Central Library, MUET Jamshoro. MUET hosted 10 participants each from University of Sindh, Liaquat University of Medical and Health Sciences, Shaheed Allah Buksh Soomro University of Art, Design and Heritages and Mehran University of Engineering and Technology, all four HEIs based at Jamshoro. Renowned IT academician of Sindh Prof. Dr. Mukhtiar Ali Unar, Meritorious Professor at Department of Computer Systems Engineering & Dean FEECE, MUET, Jamshoro. addressed the opening session.



Fourth Young Researchers' National Conference on Water & Environment

29 March 2021

The fourth Young Researchers' National Conference on Water & Environment with special focus on Urban WASH 2021 is being held at USPCAS-W, Mehran University of Engineering & Technology, Jamshoro and HANDS Head Office, Karachi. Prof. Dr. Mohammad Aslam Uqaili graced the inaugural session as chief guest. Here are some glimpses of the event.



MUET signed MoU with WWF 27 May 2021

MEMORANDUM OF UNDERSTANDING (MoU) between World Wide Fund for Nature - Pakistan (WWF-Pakistan) & Mehran University of Engineering and Technology, Jamshoro. This MoU is to create and maintain an amicable working, relationship between WWF-Pakistan and MUET, signed by Prof. Dr. Khan Mohammad Brohi, Dean Faculty of Architecture and Civil Engineering MUET, on behalf of Prof. Dr. Muhammad Aslam Uqaili, Vice Chancellor MUET, and Dr. Rab Nawaz, Country Director WWF-Pakistan, on behalf of Mr. Hammad Naqi, DG and CEO WWF-Pakistan, and acknowledged by Prof. Dr. Rasool Bux Mahar, Director PCAS-W MUET, and Dr. Tahir Rasheed, Regional Director of WWF- Pakistan, on Thursday 27 May 2021. Dr. Awais Khatri, Associate Professor Textile Engineering Department MUET, and Mr. Altaaf Sheikh, Project Manager WWF-Pakistan, are the focal persons for the signed MoU. Signing Ceremony was held at Centre for Advanced Studies in Water of MUET. Prof. Dr. Zeeshan Khatri, Chairman Textile Engineering Department MUET, and Mr. Nasir Ali Panhwar, Social Safeguard Specialist Irrigation Department, supported the event by their participation. This MoU assures both parties' cooperation for the sharing of information and opportunities to allow them to contribute to each others' initiatives and work. Moreover, the MoU will enable WWF-Pakistan and MUET to lead the issues pertaining to expertise in their respective niches. Further, the purpose of the MoU is to synergize energies and prevent the duplication of efforts. Roles and Responsibilities of the Parties.

Role of WWF-Pakistan: WWF-Pakistan, within its territorial jurisdiction, agrees to Extend collaboration opportunities for the conservation of endangered/threatened species in terrestrials and marine ecosystems of Sindh. Collaborate with MUET in initiatives regarding policy level advocacy in biodiversity conservation, natural resource management and the possibility to implement studies conducted for ensuring environmental flows across the province. Extend its GIS services to map fieldwork and analysis should a working arrangement arise between the two parties. Collaborate with MUET in a series of studies/analyses on environmental impacts associated with deforestation, urbanization, global and climate change etc. To extend cooperation with MUET to harness opportunities emanating out of CPEC and explore donor/ funding opportunities in the agreed-upon areas. Offer training sessions/ capacity-building workshops for MUET Faculty and Students on mutually agreed thematic areas.



MUET NCRA Leads in Organizing Five Days Cross-Lab Workshop on “Condition Monitoring Systems”

12 July 2021

The five days cross-lab workshop on Condition Monitoring Systems was organized by the NCRA-CMS Lab at the USPCAS-W Auditorium, Mehran UET Jamshoro. The top minds of the trending research areas including Condition Monitoring, Embedded System Design, Artificial Intelligence, Robotics, Cyber Security, Industry 4.0, and Entrepreneurship were part of this multidisciplinary workshop. This workshop was organized with technical support from ORIC MUET, PEC and EU CENTRAL. The organizing chairs for this workshop were Prof. Dr. Bhawani Shankar Chowdhry (Lead Co-PI NCRA CMS Lab) and Prof. Dr. Tanweer Hussain (Co-PI NCRA CMS Lab). The coordinators for this workshop were Engr. Dileep Kumar Soother (Design Engineer/Research Associate, NCRA CMS Lab MUET) and Engr. Sanaullah Mehran Ujjan (Programmer/Research Assistant, NCRA CMS Lab MUET). The workshop was attended by more than 100 participants of ICT-related backgrounds from different universities including NED UET, ITU, NUST, Shaheed Benazir Bhutto Skill Development University Khairpur Mirs, Mehran UET Z. A. Bhutto Campus Khairpur Mirs, Sir Syed UET Karachi, IQRA University Karachi, and Dawood UET Karachi. The active participation was from students of various disciplines including Electronic Engineering, Mechanical Engineering, Electrical Engineering, Telecommunication Engineering, Industrial Engineering, and Mechatronics Engineering. The main theme of the workshop was designing, developing, and deploying Condition Monitoring Systems to maximize the efficiency of various industrial plants and prevent tragic accidents in transport systems, particularly in railways. On this occasion, MoUs were also signed between the various companies to benefit from improved Condition Monitoring Systems which will help industries to safely sustain their operations without any major financial losses. Experts who joined the workshop have urged to develop advanced Condition Monitoring Systems in a bid to maximize the efficiency of industrial plants and prevent tragic transport accidents, especially railway accidents.

The opening ceremony of the workshop was initiated with the recitation from the Holy Quran. Then, Prof. Dr. BS Chowdhry joined the stage to welcome the attendees, dignitaries, and keynote speakers for joining the workshop. He gracefully thanked Prof. Dr. Tauseef Tauqeer, Dean Faculty of Engineering, ITU Lahore for all the way joining the workshop. He also briefed and appreciated his work as the PI of the IMAL Lab at the ITU Lahore. He also acknowledged the efforts and commitment of the organizing team for organizing one of the longest academic event in the history of the university and for providing the students with great training opportunity on such short notice of one month. He expressed gratitude to his team for coordinating and working hard for the conceptualization of the workshop. Then, he invited Mr. Imtiaz Ratagar, one of the top minds of innovation and entrepreneurship in Pakistan to deliver his online keynote talk. Mr. Rastagar guided the participants on how to become a successful entrepreneur by utilizing their key skills which will enable them to become self-reliant and contribute towards the progress of the nation. After that, Dr. Tauseef Tauqeer joined the podium and thanked Prof.



Dr. Chowdhry for giving him the opportunity to join this excellent technical workshop at the MUET. He started his talk by briefing about the work done at his lab at the ITU Lahore and how they are providing

solutions to public sector organization like the WASA Lahore. He also guided the participants about the skills that they should build to contribute towards the 4th revolution of industry. Then, worthy vice-chancellor Prof. Dr. MA Uqaili took dice and appreciated all the contributions of the NCRA-CMS Lab towards research and development of condition monitoring systems for the Pakistan Railways. He also acknowledged and commended the presence of worthy guest speakers and participants from different universities. After that, Prof. Dr. MA Uqaili and Prof. Dr. Chowdhry decorated Prof. Dr. Tauseef Tauseef with Sindhi Ajrak and presented him the shield for his excellent talk. The first session of the day was concluded by Prof. Dr. Tanweer Hussain with vote of thanks. The second session was started after the lunch break with the keynote talk of Prof. Dr. Umar Shahbaz Khan, Director NCRA EME College NUST Pakistan. He introduced the participant to the goals behind the establishment of the NCRA and its role in improving research work in Pakistan. Lastly, the hands-on workshop session was started by Engr. Anas Bin Ifitkhar that lasted till 5:00 PM and the day was ended with a questions and answers session.



The 2nd day of the workshop was started with a warm welcome by the Prof. Dr. Tanweer Hussain. He appreciated the active participation of the students and engineers from the surrounding industry. Then, he welcomed the chief guest of the day Dr. Rana Muhammad Touqeer, M.D Quetta Textile Mills Kotri, and the guest of honor Prof. Dr. Khanji Mal Harijan, Dean Faculty of Engineering. After that, the chief guest was called to the stage for his remarks on the event and work done by the lab. He applauded the efforts of researchers at MUET and their contribution towards achieving sustainable development goals. He reiterated the importance of condition monitoring systems in various industries like Textile industry, Chemical industry, and Gas distribution companies. Subsequently, Prof. Dr. Harijan was called upon the stage to decorate the chief guest with the Sindhi Ajrak and presented the shield to him. After that, the first keynote speaker of the day Dr. Riaz ud Din, PI NCRA-HHRCMS Lab was called to the stage to present his research. After his keynote talk, he was presented with a shield by Prof. Dr. Chowdhry. After a while, Prof. Dr. Kashif Nisar delivered his keynote on Industry 4.0 from Malaysia through an online link. Finally, Dr. Ashfaq Ahmed Jiskani from South Korea delivered his online keynote talk related to Artificial Intelligence/Deep Learning and its applications. The workshop session on the ‘Vibration based Condition Monitoring-I’ was conducted by Dr. Shakeel Ahmed Shaikh and Engr. Umer Aftab from Camtech Pvt. Ltd. Karachi, after the lunch break. The first session of this workshop covered the theory and introduction of the vibration-based condition monitoring equipment. The day was ended with a group photo of the participants with the trainers.

The 3rd day of the workshop was started with the welcome note by Prof. Dr. Tanweer Hussain. He welcomed the chief guest of the day Mr. Hanif Gul, DS Pakistan Railways, and his accompanying fellows. After his welcome speech, the podium was handed over to the first keynote speaker of the day Prof. Dr. Jawaid Daudpoto, Chairman Department of Mechatronics Engineering. He delivered his talk on educational robots and how they can play their role in the education of rural areas of a country like Pakistan. Subsequently, the second keynote speaker, Dr. Ali Ahmed Malik joined from the Denmark through an online streaming link. He presented his research work related to the collaborative robots which are paving the way towards industry 5.0. After the keynote talks, the chief guest took the dice and shared his thoughts about the work done by the NCRA-CMS Lab. He commended the efforts taken by the Lab and the university and assured that the Pakistan Railway will support this research lab at its best. Then, He was decorated with the Sindhi

ajrak and presented with a shield by the worthy vice-chancellor and Prof. Dr. BS Chowdhry. The team from Pakistan Railways also launched a railway track condition monitoring product that is indigenously developed by the NCRA-CMS lab MUET Jamshoro.



At the end of the first session of the day, worthy vice-chancellor MA Uqailli presented his concluding remarks by thanking the guests from the Pakistan Railways and acknowledged their support in the research conducted by the MUET. The second session of the day was conducted at the Department of Industrial Engineering and Management. The session was mainly conducted on the vibration analysis related equipment namely ‘Vibexpert’ and ‘Optaline’. Dr. Shakeel Ahmed Shaikh shed light on the importance of vibrational analysis-based condition monitoring in the industry. He discussed the basic concepts of vibration analysis and how its in-depth knowledge can open the doorways of job opportunities for the graduates and then handed over the session to Engr. Umer Aftab for hands-on demonstration of the condition monitoring equipment.

On the 4th day of the workshop, Engr. Sanaullah Mehran Ujjan started the first session with the recitation of the Holy Quran. After that, Prof. Dr. Inamullah Bhatti, Director ORIC MUET joined the stage and welcomed the guest of honor Mr. Omer Abdin, Chairman NIC Karachi. He also shared his thoughts related to research opportunities, start-ups, and commercialization of the prototypes developed at the university. Then, Prof. Tahir Mahmood Choudhry joined the session through the online link for his keynote talk. He delivered his talk which was mainly focused on innovation and technopreneurship. He guided the participants about how they can transform their projects/prototypes into commercial products. After his talk, Mr. Omer Abdin Project Director NIC Karachi joined the stage and delivered an interactive and motivational talk on achieving careers goals. Participants of the workshop really enjoyed his talk and asked their queries related to the funding opportunities at the NIC Karachi. He was decorated with Sindhi ajrak by Prof. Dr. Inamullah Bhatti and a shield was presented to him by Prof. Dr. Chowdhry. After that, a workshop session was conducted by Engr. Rana Muhammad Awais and his team. The workshop was related to industrial automation and industrial IoT which covered PLC programming and programming of various IoT devices like Arduino, Raspberry-pi microcomputer, and ESP32 board. The session continued for two and half hours then lunch break was announced.



The second session was initiated with the talk of Dr. Lubna Luxmi Dhirani who delivered her talk from Ireland on Cyber Security and its importance in the era of industry 4.0. She emphasized on learning cyber security related skills which will allow us to effectively take advantage of the industrial revolution. After that, Prof. Dr. Nick Harris joined the session through a video link from UK and delivered a talk on intelligent

sensing technologies. During his talk, he shared some interesting research of a Pakistani researcher who has been working on wireless sensor network based monitoring of lemon gardens. He presented an estimation of the increase in the yearly production of lemons through effective monitoring of the gardens. Then, the stakeholders from various organizations including NEPRA, Goldwind, Tapal Energy, Algorithm Consulting Pvt. Ltd., and IEEEEP joined the sessions for the MoU signing ceremony of the CSR project. Prof. Dr. BS Chowdhry warmly welcomed them including the chief guest vice-chairman NEPRA Engr. Rafiq Ahmed in the workshop and handed over the mike to Mr. Saqib Saeed, CEO algorithms Consulting Pvt. Ltd. Mr. Saeed presented the work done by his company related to condition monitoring of wind turbines and how they are providing different services related to wind energy to the countries like Denmark and Sweden. He introduced the participants to some products indigenously developed by his company such as the JetWash for cleaning the blades of wind turbines. He also said he has been doing this CSR project in collaboration with MUET as a pro bono for the research work to be conducted by the MUET and IEEEEP.

After that, Engr. Irfan Ahmed, Director HESCO joined stage and introduced the participants to the CSR project and briefed them about the novel model of the CSR project that is a research collaboration between industry and academia through a CSR project. He shed his thoughts on importance of this amazing project and its benefits to the local authorities and people. Then, Engr. Rafique Ahmed, vice-chairman NEPRA took the dice and shared his thoughts about this CSR project and how this project going to become a major effort towards solving wind turbine related problems through the research. He also answered some queries from the audience. Moreover, it was a proud moment for him to join this event as a chief guest at his Alma mater. Subsequently, the MoU signing ceremony was started and various members including worthy vice-chancellor Prof. Dr. MA Uqaili, Engr. Rafique Ahmed, Engr. Irfan Ahmed, Mr. Saqib Saeed, Engr. Khalid Pervez, Prof. Dr. Khanji Mal Harijan, Prof. Dr. BS Chowdhry, Prof. Dr. Tanweer Hussain, Mr Zeeshan Memon, Director Finance and Prof. Dr. Nayar Hussain Mirjat joined the stage for the MoU signing ceremony. The MoUs were signed and the files were exchanged among the stakeholders. In this regard, Engr. Khalid Pervez, Chairman IEEEEP joined the stage and appreciated the efforts of industry and academia towards prosperous Pakistan which will also benefit both of them through addressing the local challenges. The ceremony was concluded by the worthy vice-chancellor with his remarks on this CSR project and he thanked all the stakeholders for taking such a crucial step towards research.

The 5th and final day of the workshop was started with recitation of the Holy Quran and then Dr. Tayab Din Memon started his online keynote talk on FPGA based condition monitoring system. After his talk, Dr. Attiya Baqai joined the stage and delivered her keynote talk related to her research achievements including patents and availed research funds. She urged students to strive for excellence in research which requires dedication and persistence. Subsequently, Prof. Dr. Arabella Bhutto delivered a wonderful talk on entrepreneurship and funding opportunities for student start-ups. The last keynote talk of the workshop was delivered by Prof. Dr. Tanweer Hussain related to industrial manufacturing.



Finally, the concluding ceremony of the five days long cross-lab workshop was started by Prof. Dr. BS Chowdhry with his recap speech about the workshop. He reiterated all the struggle behind the success of this workshop by his team. He admired the presence of various national and international keynote speakers and participants from various universities. Prof. Dr. Chowdhry acknowledged the efforts of Dr. Shakeel

Ahmed Shaikh for creating a collaborative environment among the departments and his valuable assistance in arranging the workshop. He also welcomed the chief guest of the day Prof. Dr. Tauha Hussain Ali, Pro-vice Chancellor MUET and requested him to join the stage. Prof. Dr. Tauha Hussain Ali started his speech by recognizing all the efforts by NCRA-CMS Lab towards research and behind organizing such a long and multidisciplinary workshop. Then, he presented the shields to the speakers and distributed certificates among the participants. At the end of this workshop, Prof. Dr. Tanweer Hussain joined the stage for the vote of thanks and he thanked all the speakers and participants for their active presence during this five days long workshop. He applauded the participation of the engineers from industry, who took out the time from their busy schedule for learning about condition monitoring. He also encouraged students to aim high in their careers and to always strive for the better and not settle for the ordinary. In last, he also appreciated the efforts of the organizing team for initiating, planning, organizing, and successfully conducting this long activity in the history of the university. Moreover, he said that the doors of the NCRA-CMS Lab are always open for anyone, whoever wish to achieve his goals through research.

Delegation from Sir Syed University visits MUET

14 July 2021

A delegation from Sir Syed University visited MUET, Jamshoro's NEP NIC Jamshoro center. While representing Mehran UET, Jamshoro, Dr. Qasim along with incubation manager Ooshita Gurnani gave them a tour of center where startups explained their ideas. The visitors appreciated the efforts of NEP NIC Jamshoro team for establishing a regional tech incubation center in Mehran University Jamshoro and remarked thanks to MUET for taking such initiatives for the startups.



Remarkable achievement of MUET Jamshoro Electronic Engineering Department, Final Year Students at Lab2Market event at National Artificial Intelligence Forum (NAIF) 2 September 2021

The Final year project titled “ DESIGN AND PROGRESSION ANALYSIS OF NEURO REHABILITATION SYSTEM USING MACHINE LEARNING” from Department of Electronic Engineering with team members Maliha Talpur (17ES31), Madan Lal (17es45) and Saad Rehman (17es65) under the Supervision of Dr. Attiya Baqai (Associate Professor, Department of Electronic Engineering MUET Jamshoro & Dr. Tahira Nihal (Bhittai institute of physical therapy and rehabilitation sciences, Mirpurkhas) has won 2nd Prize with cash award of 75000/ Rs in the 3rd and final round of Lab2Market event project exhibition as part of National Artificial Intelligence Forum (NAIF) on 2nd September 2021. The team was led by Engr. Komal Khowaja (Lecturer, Department of Electronic Engineering, MUET Jamshoro) to the competition. The team is very thankful to university administration and Department of Electronic Engineering for the facilitation and support to participate in the event.

In this event the students from Pakistani universities were invited to showcase their AI Based applied research ideas in the form of projects, prototypes or artifacts at NAIF. The event was organized by Sino-Pak Center for Artificial Intelligence (SPCAI) Pak-Austria Fachhochschule: Institute of Applied Sciences and Technology (PAF-IAST), Khanpur Road, Mang, Haripur, Pakistan. The project gained a lot of attention and appraisal from the judges and visitors. The team got a chance to interact with the experts from industry and academia (both local and foreign) and get their feedback regarding their project. This may eventually help them to establish collaborations with academic institutions and industries as well.



Recruitment Drive

13 October 2021

Colgate-Palmolive (Pakistan Limited) conducted recruitment drive under their graduate trainee program for the students of Electronics Engineering of MUET @ USPCAS-W Auditorium. Prof. Dr. Tanveer Hussain Advisor Student's Affairs hosted the recruitment drive and welcomed the team of guests from Colgate-Palmolive Pakistan limited.



IEEE Day Celebrated at MUET, Jamshoro

15 October 2021

The main Event was organized by the IEEE student branch MUET, Jamshoro. Prof. Dr. Mohammad Aslam Uqaili Vice Chancellor MUET, joined the celebrations as chief guest of the event where cake cutting ceremony was held to mark the celebrations, Followed by the key note speech by Prof. Dr. Tauha Hussain Ali Pro Vice Chancellor MUET, Jamshoro.



MUET Celebrates Erasmus Day 15th October 2021

Mehran University of Engineering and Technology celebrated International Erasmus Day under the supervision of Prof. Dr. Muhammad Aslam Uqaili (Vice Chancellor - MUET) and Prof. Dr. Bhawani Shankar Chowdhry (Focal Person – EU's Central Project from MUET). According to the organisers, the Erasmus Days in 2021, the year of transition and launch of the Erasmus+ programme for the period 2021-2027, aim to add value to "the four themes of the new programme: inclusiveness, sustainable development, digital sector, and active participation in democracy."

The first goal of these days is to teach students about the educational, training, and solidarity options available in Europe. Over 5,000 events had taken place in 84 countries in 2020, allowing Erasmus+ beneficiaries, European stakeholders, and former students to share their experiences and present their ideas.

MUET, contributed in organizing the summer school through which online courses were conducted from July 5th – July 17th, 2021, namely:

Module 1: Core Information and Communication Technologies

Module 2: Data Analytics and Emerging Technologies

Module 3: Entrepreneurial and Marketing Essentials

Module 4: Business Modeling Tools and Techniques.

For recognizing the efforts of the faculty and students involved in this endeavor, an award distribution was also held in this occasion to identify and award their efforts. Events like these are the true essence in establishing the international collaboration with the international universities



National Idea Bank

3 November 2021

National Idea Bank (NIB), a one day seminar on Innovative entrepreneurship based on Digital Technologies for Business Transformation was held at USPCAS-W Auditorium of MUET, Jamshoro.

Perks of Participating in the Workshop:

The top five best ideas will get a chance to win a Paid workshop opportunity from EU Central. HiSHA will also provide internships to the top performers of the day. Simply pay attention to the guest speakers and take advantage of the occasion. Yes, it's that simple!

Furthermore, students from the 18 batch who are about to begin their FYPs can submit a proposal to be considered for financing.



IMTIC'21

10-12 November 2021

Following the success of IMTIC series, 6th International Multi-Topic ICT Conference 2021 (IMTIC'21) will continue its tradition in the education and industrial hubs of Pakistan, respectively Jamshoro and Karachi. This year, IMTIC'21 is jointly organized by Mehran University of Engineering & Technology (MUET), Jamshoro, and Sir Syed University of Engineering and Technology (SSUET), Karachi in technical collaboration of EU Capacity Building in Higher Education CENTRAL project and IEEE Inc. USA (Karachi Section).

IMTIC'21 6th International Multi-Topic ICT Conference being held on 10, 11, 12 November, 2021 at MUET, Jamshoro and SSUET, Karachi. Opening ceremony held at Auditorium of USPCAS-W of MUET. Dr. Sanaullah Abbasi DG FIA was chief guest of the event who participated via video link.

A Memorandum of Understanding (MoU) signing ceremony between Mehran University of Engineering and Technology (MUET), Jamshoro, and Sir Syed University of Engineering and Technology (SSUET), Karachi. The ceremony held in IMTIC'21 inauguration session at U.S.-Pakistan Center for Advanced Studies in Water (USPCAS-W) Auditorium, MUET, Jamshoro. In the ceremony, the Vice Chancellor of MUET, Prof. Dr. Mohammad Aslam Uqaili and Vice Chancellor of SSUET, Prof. Dr. Vali Uddin attended along with guest speakers, and faculty members of both Universities.

A tutorial talk delivered by Dr. Muhammad Farrukh Shahid, Fast NUCES, Karachi. This talk was delivered on IMTIC'21 Day 02, November 11, 2021 at the department of Telecommunication engineering, Mehran University of Engineering and Technology Jamshoro. The title of the tutorial: A Deep Learning Approach to Build AI enabled Cognitive Radio Internet of Things Network. This tutorial was chaired by Engr. Nafeesa Bohra. IMTIC'21 Conference Banquet Dinner on day 01, November 10, 2021. The dinner held at the Sabzazar Restaurant, Hyderabad. In the dinner, Asghar Khoso participated for comedy and traditional Sindhi music.

A Symposium talk delivered by Engr. Parkash Lohana, Head of Computer Science Department, Usman Institute of Technology, Karachi and Chair IEEE Professional Activity Committee. This talk was delivered on IMTIC'21 Day 02, November 11, 2021 at the Department of Computer System Engineering, Mehran University of Engineering and Technology Jamshoro. The title of the Symposium: Professional Development through Humanitarian Technology Activities. Engr. Moiz Rahman, Radio Broadcast Engineer, LUMHS, Jamshoro and Treasurer IEEE Karachi Section also accompanied Engr. Parkash Lohana. This Symposium chaired by Dr. ShahNawaz Talpur.



IEEE SIGHT Karachi Engineering for Global Development (EGD) Community Engagement Workshop

by Umair Ahmed Korai, MUET, Secretary IEEE ComSoc Karachi Section Chapter; Bhawani Shankar Chowdhry, MUET, Chair IEEE Karachi Section; Parkash Lohana, UIT, Chair IEEE R10 Professional Activities Committee; Moiz Rahman Memon, LUMHS, Treasurer IEEE Karachi Section; Pakistan

IEEE SIGHT Karachi Chapter in collaboration with IEEE Communication Society Karachi Chapter, IEEE ComSoc Mehran University of Engineering and Technology (MUET) Student Branch Chapter, Mehran University Institute of Science, Technology & Development (MUISTD), and QS World Merit organized a one-day workshop on "Engineering for Global Development (EGD) Community Engagement" at MUISTD Auditorium, MUET, Jamshoro, Pakistan on January 13, 2022.

This workshop was funded by IEEE R10 Humanitarian Sustainable Project & Volunteer Training Support Fund. The objective of the EGD Workshop was to develop the skills needed to conduct successful SIGHT projects. The total number of participants in this workshop was 67 of which 28 were IEEE members and 39 were non-IEEE members. The workshop formally started with the recitation of the Holy Quran and the national anthem of Pakistan. Afterward, Prof. Dr. Arabella Bhutto, Co-Director of MUISTD, welcomed the Vice-Chancellors, Guest Speakers, Coordinators, Organizers, and Participants. The Vice Chancellor of MUET Jamshoro, Prof. Dr. Mohammad Aslam Uqaili, attended the workshop as the Chief Guest and delivered his speech, and appreciated the Speakers for taking time from their very busy schedules to motivate the participants regarding community engagement. The Vice Chancellor of Government College Hyderabad, Prof. Dr. Tayyaba Zariif, also attended this workshop as Guest of Honor.

The first session was delivered by Engr. Hanan Daudpota, and Engr. Murtaza Hanif delivered a talk on IEEE SIGHT, its Benefits, and Guidelines for Preparing a Strong IEEE SIGHT Group Petition. They encouraged the participants to establish an IEEE SIGHT Group at MUET. It was agreed that Dr. Umair Ahmed Korai, Assistant Professor, Department of Telecommunication Engineering, MUET Jamshoro will be the Group's Advisor at MUET.

The second session was delivered by Engr. Parkash Lohana, Chair IEEE R10 Professional Activities Committee, Associate Professor & HOD (CS) at Usman Institute of Technology, Karachi, and Engr. Moiz Rahman Memon, Broadcast Engineer at



From left to right - Prof. Dr. Arabella Bhutto (workshop Coordinator and Co-Director MUISTD, MUET), Prof. Dr. Tayyaba Zariif (Guest of Honour and Vice Chancellor GC University Hyderabad), Prof. Dr. Mohammad Aslam Uqaili (Chief Guest and Vice Chancellor MUET, Jamshoro), Prof. Dr. Aftab Ahmed Memon (Workshop Coordinator and Chairman Telecommunication Engg. MUET), and Engr. Parkash Lohana (Guest Speaker and HoD at UIT, Karachi).

Community Health FM Radio, Liaquat University of Medical & Health Sciences, Jamshoro and Treasurer, IEEE Karachi Section, and IEEE Karachi SIGHT Chapter, respectively. In the session, Engr. Parkash conducted the EGD Community Engagement Workshop. Furthermore, Engr. Moiz facilitated activities related to the workshop with the participants.

The next session was delivered by Mr. Ali Akbar, executive Director of Association of Water, Applied Education and Renewable Energy (AWARE) – an NGO – that has been the implementation partner of IEEE SIGHT Karachi Chapter's projects in the past. He shared the humanitarian issues of the districts when AWARE operates. He also identified areas where engineers can contribute through humanitarian technology, which can result in changing the lives of the people living in those districts.

Vice Chancellor of GC University Hyderabad, Prof. Dr. Tayyaba Zariif, gave the concluding remarks of the workshop. In her speech, she acknowledged the efforts of guest speakers, organizers, and volunteers. She encouraged the participants to explore IEEE SIGHT in more depth and showed interest in hosting such activity at GC University. At the end, Prof. Dr. Aftab Ahmed Memon, Chairman, Department of Electronic Engineering, gave a vote of thanks to the Chief Guest, Guest of Honor, speakers, event organizers, collaborators, volunteers, and participants, followed by shield and certificate distribution, and lunch.



Participants attending the EGD workshop



Group Photo taken at the end of the workshop with guest of honour, guest speakers, workshop coordinators, organizers, volunteers, and participants

**Workshop on “PLC and SCADA programming and Simulation for Industrial Automation and Control Applications”
25 November 2021**

Closing Ceremony of two-day Workshop on “PLC and SCADA programming and Simulation for Industrial Automation and Control Applications” organized by Department of Electronic Engineering in collaboration with IEEE Instrumentation and Measurement Society MUET Chapter. Prof. Dr. Mukhtiar Ali Unar Dean FEECE was chief guest of the event. All the participants were awarded with appreciation certificates.



Inter-Departmental Engineering Exhibition (IEX-2021)

8 December 2021

An Inter Departmental Engineering Exhibition (IEX-2021) was held at Department of Electronic Engineering MUET, Jamshoro. Organized by IEEE Instrumentation & Measurements Society MUET Chapter & Department of Electronic Engineering, MUET Jamshoro. Pro-Vice Chancellor MUET Prof. Dr. Tauha Hussain Ali visited the display where a ribbon cutting ceremony was also performed by him as chief guest of the event.

Prize distribution ceremony of Inter-Departmental Engineering Exhibition (IEX-2021) was held at main Auditorium of the University. Prof. Dr. Mohammad Aslam Uqaili Vice Chancellor MUET was the chief guest of the event who presented cash prizes cheques and shields and certificates to the organizers and participants of the exhibition.





Pakistani teams led by students of MUEC bag first and second prizes at Huawei ICT Competition (Middle East) in Saudi Arabia

24 December 2021

Pakistani teams featuring three students of Mehran University of Engineering and Technology have made the nation proud by winning the top two prizes in the Huawei Information and Communications Technology (ICT) Competition Middle East 2021, jointly organized by the Saudi Ministry of Communications and Information Technology in partnership with Huawei Middle East.



Group photo of Pakistani teams with the Undersecretary of the Saudi Ministry of Communications and Information Technology for Capabilities and Future Jobs, Eng. Faris Al-Saqabi (Courtesy: Huawei Middle East Facebook Page)

The competition is about Information and Communication Technologies, such as routing and switching, security, artificial intelligence, cloud computing, 5G, and Wireless LAN. The competition was launched in 2017.

This year, more than 15,000 contestants from leading academic institutions of Saudi Arabia, Pakistan, UAE, Qatar, Iraq, Jordan, Oman, Lebanon, and other countries of the Middle East participated in the competition.

The final round of the competition witnessed the participation of 13 teams from 10 countries, including two teams from Pakistan. The two teams from Pakistan were selected after a rigorous process where Huawei took the multiple-stage exam to choose the best to represent the country.

In the final round, every team consisting of 3 members had to undergo a written test and complete a lab task to solve network problems. Pakistan team outclassed in every step of the selection process and won the first and second prize in the grand final in Riyadh.

Members of the Pakistani team that won the first prize included two students of MUET, Satesh Kumar and Bhagchand Meghwar, and Syeda Iqra Fatima from Islamia University Bahawalpur. The winning team won the first prize with a \$20,000 cash reward.



The Undersecretary of the Saudi Ministry of Communications and Information Technology for Capabilities and Future Jobs, Eng. Faris Al-Saqabi (2nd left), presents a \$20,000 prize to Pakistani students for securing 1st position in ICT Middle East 2021 competition in Riyadh, Saudi Arabia on December 23, 2021. (Courtesy: Huawei Middle East Facebook Page)

Meghwar, who hails from a remote village in Sindh's Tharparkar, said he succeeded in the competition after two consecutive failed attempts.

"I come from a village where there is no electricity and other basic facilities, so it is like a dream for me to win such a prestigious competition," he told the media.

Dr. Faheem Yar Khuhawar, an Associate Professor at Mehran University of Engineering and Technology's, Department of Telecommunication Engineering, also received an excellent tutor award.



Pakistani team tutor, Dr. Faheem Yar Khuhawar

The team that won second prize also featured a student of MUET, Mukhtar Memon.



Second placed team from Pakistan

We congratulate students of Mehran University of Engineering and Technology and other universities of Pakistan on this remarkable achievement.

6th International Conference on Energy, Environment, and Sustainable Development 2022 (EESD2022)

17-19 January 2022

Energy and Environmental Engineering Research Group (EEERG) of Mehran University of Engineering and Technology (MUET) in collaboration with Ziauddin University, Karachi, organizes the 6th International Conference on Energy, Environment, and Sustainable Development 2022 (EESD2022) being held from January 17- 19, 2022 @ MUET, Jamshoro. Prof. Dr. Mujeebuddin Sahrai Memon, Vice Chancellor Sindh Madressatul Islam University joined as chief guest of the opening ceremony held at USPCAS-W's Auditorium, MUET, Jamshoro.



Session on How to get involved in global rail projects

7 January 2022

SorrNational center for Robotics and Automation (NCRA-CMS) Mehran University of Engineering and Technology, Jamshoro and Indus Cultural and Social Forum (ICSF) Riyadh organized a session on How to get involve in global rail projects On Friday January 07, 2022 By Engr. Yasir Bhatti A Senior Engineer at Riyadh Metro in Saudi Arabia Session was also broadcasted live on facebook. This is very important session for professionals of different fields as many big cities of Middle East are starting rail metro services. Only in Saudi Arabia around 2000 jobs would be available in Riyadh metro only. Bahrain is starting it's metro too so they all need professionals in this field.



QS World Merit: Launching of and MoU Signing Ceremony

26 January 2022

Official Launching Ceremony of QS World Merit Pakistan and MoU Signing Ceremony was held at Senate Hall, Mehran University of Engineering and Technology, Jamshoro on 21st January 2022. The MoU was signed between Mehran University of Engineering and Technology, Jamshoro (QS World Merit Pakistan) and QS World Merit Charity UK. Besides creating great opportunities for the youth, the motive of MoU was to strengthen, promote and develop cooperation in the field of SDGs, volunteering, Science, technology, execution of great projects, creating an impact, culture and education between the Parties on the basis of equality and mutual benefit. Vice Chancellor Mehran University of Engineering and Technology Jamshoro Prof Dr Muhammad Aslam Uqaili participated in the ceremony as a Chief Guest. On this occasion, Prof Dr. Bhawani Shankar Chowdhry (Advisor QS World Merit Pakistan), Prof Dr Mukhtiar Unar (Dean FEECE), Professor Arabella Bhutto, Prof Dr Rasool Bux Mahar, Prof Faisal Karim, Prof Tanweer Hussain and Engr Muhammad Zakir Shaikh (President QS World Merit Pakistan) were also present. It is a matter of great pride that MUET will be working as the main Hub of QS World Merit Pakistan along with QS World Merit to support and reward global citizens contributing to achieving the UN SDGs with life-changing opportunities.



3rd International Conference on Computational Science and Technologies (INCCST'22)

17-19 February 2022

3rd International Conference on Computational Science and Technologies (INCCST'22) is being held at main Auditorium of MUET, Jamshoro. Prof. Dr. Mukhiar Ali Unar, Dean FEECE, Mehran University of Engineering & Technology, Jamshoro was the chief guest of the opening ceremony of the three days conference.



IEEEP

18 March 2022

IEEEP Local Centre Hyderabad chapter organized CPD Workshop & Excellence Awards Ceremony at Mehran University of Engineering & Technology, Jamshoro. Topic of the CPD was "Reshaping the Generation Mix of Pakistan-Indicative Generation Capacity Expansion Plan (IDCEP) presented by Engr. Salis Usman. Engr. Prof. Dr. Suhail Aftab Qureshi was the Chief guest of event. Prof. Dr. Tauha Hussain Ali, Vice Chancellor MUET with his special presence in the award distribution ceremony presented Shields and Certificates to the best Engineers at different areas.



Annual Excellence Awards Ceremony at MUET, Jamshoro 'Reshaping Generation Mix of Pakistan- Indicative Generation Capacity Expansion Plan'

By Engr. Ikram Arshad

IEEEP Local Centre Hyderabad held its annual Excellence Awards Ceremony at Mehran University Jamshoro. Dr. Sahal Afzal Qureshi Central President, IEEEP was the Chief Guest. Engr. Saliq Usman, Honorary Secretary General IEEEP and the country's leading expert on IGCEP also delivered a presentation on the



subject which was largely appreciated.
**CYINDOLFNCF REFER-
ENCE**

Earlier condolence reference was held in memory of late engineers Engr. Muzamil Ahmed Khanuja, Engr. Habibullah Khilji, Engr. Abdul Rafiq Khan, Engr. Malik Memon, Engr. Mustafa Sheikh and Engr. Mohib Raza Sud. Faizla for the departed

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was welcomed by Engr. Mubashir and Saad Azeem Ex- President Member.

In token of memory of the condolence reference, memorial plaques were presented to the family representatives of passed-away legends.

Dr. Engr. Muhammad Danish Agre from IUC Wind Power, Engr. Isha Karim Liaison Officer HESCO, Engr. Prof. Dr. Falaqullahi Shaikh Associate Professor MUET, Engr. Prof. Dr. Mubtahir Memon, Engr. Ishaq Akram Member GOD HESCO, Engr.

Secretary General to take their utmost and special interest in Mehran University to participate in the event and meet the members of IEEEP Local Centre and Engineers. **MEMORIAL ADDRESS**
Engr. Prof. Dr. M.A.

Contd from page 9

He recalled HESCO, NTDG, PTCL, GENCOs, SEPCO, and Wind Power Projects to extend their support and to actively participate in the activities of the IEEEP Local Centre. He also recalled the necessity of passing away Programs for

raise the level of Local Centre to reach a formidable position. He informed the members that apart from technical activities IEEEP's main effective role is to foster unity and brotherhood amongst the engineers from all over the country. He also appreciated Engr. Saliq Usman Honorary Secretary

GUEST SPEAKERS
Engr. Noor Ahmad Saeed CEO HESCO and Engr. Syed Jawad Ahmad Jafri CEO GENCO-4 the Guests of Honor, and Engr. Abdul Rehman Shaikh Member of GOD HEC also spoke on the occasion.
CLOSING CEREMONY

successful events and hoped that the IEEEP Local Centre will continue to organize these events which will go a long way to promote the cause of the profession.
In the end Prof. Dr. Abdul Sattar Lark General Secretary IEEEP Local Centre Hyderabad paid vote of thanks to



ENGR. PROF. A.A. QURESHI MEMORIAL LIBRARY

To pay homage and tribute to late Engr. Prof. A.A. Qureshi, one of the pioneers of South University Engineering College Jamshoro and the first Head of the Department of Electrical Engineering. It was decided that the IEEEP Local Centre Library may be named A.A. Qureshi Memorial Library.

A large number of Engineers from HESCO, NTDG, PTCL, MUET, and QUESST attended the event. Precious items among the participants were Engr. Abdul Rehman Shaikh Member GOD HEC, Engr. Waqar Hussain Shaikh GM PECL, Engr. Farhan Wahi GM PECL, Engr. Jawad Ahmad Shaikh, Engr. Anwarul Qureshi from TTC Wind

Prof. Dr. Faisal Karim Telecommunication MUET, 43 Engineers from MUET, QUESST, HESCO, NTDG, PTCL, GENCO-4, and Wind Power Projects were awarded the prestigious Excellence awards.

WELCOME ADDRESS
Engr. Prof. Dr. Bilal Ahmad Shaikh Chowdhry Vice Chairman IEEEP Local Centre in his welcome address paid glowing tribute to Engr. Prof. Dr. M.A. Uqaili Chairman, IEEEP Local Centre for his outstanding support and initiative to establish the Local Centre office in Mehran University and for his continued guidance to hold regular events like meetings, Seminars, Launching of books, and Condolence References. He warmly welcomed the President, IEEEP, and Hon-

orary Chairman, IEEEP Local Centre in his Presidential Address welcomed the participants and thanked Engr. Prof. Dr. Sahal Afzal Qureshi President IEEEP and Engr. Saliq Usman Honorary Secretary General IEEEP to grace the occasion as Chief Guest and Guest Speaker respectively. He said that the IEEEP Local Centre is doing everything possible to support the activities by holding regular meetings, raising membership, and arranging seminars. He expressed that in the developed world these institutions are developing designs, standards, and specifications and they give solutions of all these problems encountered by the professionals in the field.

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whom condolence reference was held. He also lauded the holding of the CPD Workshop by Engr. Saliq Usman.

CHIEF GUEST'S ADDRESS

Engr. Dr. Prof. Sahal Afzal Qureshi President, IEEEP in his speech lauded the efforts of Engr. Prof. Dr. M.A. Uqaili, Engr. Prof. Dr. BS Chowdhry and Engr. Prof. Dr. Abdul Sattar Lark in their noble campaign to

conduct the very informative workshop on "Reshaping the Generation Mix of Pakistan- Indicative Generation Capacity Expansion Plan" (IGCEP). He also appreciated the institutionalization of the Annual Excellence Awards. He extended every possible support to Local Centre Hyderabad on behalf of the IEEEP Central Council.

OTHER DISTIN-

Engr. Prof. Dr. Jafar Hussain A3 Vice Chairman MUET was the Honored Guest for the closing ceremony. Engr. Prof. Dr. Tariq Hussain A3 Vice Chancellor, Mehran University of Engineering and Technology distributed the shields and excellence awards certificate to the guests and other engineers. He appreciated the efforts of the IEEEP Local Centre to hold such par-

Engr. Prof. Dr. MA Uqaili, Engr. Prof. Dr. Jafar Hussain A3, Engr. Prof. Dr. BS Chowdhry, Engr. Prof. Dr. Sahal Afzal Qureshi President IEEEP and Engr. Saliq Usman Secretary General IEEEP, and other distinguished guests for their patronage and support, which made the event successful. ■

Seminar on Role of Wind Energy for Powering a Sustainable Future held at MUET

22 April 2022

On April 22nd, in honor of International IEEE PES DAY, the IEEE Power and Energy Society of MUET Student Chapter presented their first seminar of the year 2022 on "ROLE OF WIND ENERGY FOR POWERING A SUSTAINABLE FUTURE." Thanks to the executive body of IEEE PES's tireless efforts and enthusiasm, we were able to reach up to 100 attendees.

The Seminar would not have been as informative for everyone if it hadn't been for our brilliant Guest Speaker Engr. Assadullah Qureshi who is the Head of Plant at FFC Energy Limited. He not only lectured us about the need of renewable energy, but he also contributed significantly to the success of the event. Our Chief Guest, Dr. Bhawani Shankar, underlined the need of engineers to focus on renewable energy research, particularly Solar and Wind energy. He was an excellent motivator as well as an eye-opener for the audience.

On IEEE PES DAY, Dr. Aamir Mehmood Soomro, Dr. Mahesh Kumar and Dr. Abi Waqas Memon also highlighted the importance of sustainable energy for sustainable future.

Lastly, Dr. Asif Ali Shah acknowledged our Guest Speaker, Chief Guest and Keynote Speakers for making IEEE PES DAY a huge success.



Mehran University, Saman-e-Shifa Foundation sign MOU to develop biomedical equipment

10 May 2022

Mehran University of Engineering and Technology (MUET) has signed Memorandum of Understanding (MOU) with Saman-e-Shifa Foundation to develop biomedical equipment indigenously.

The salient features of MoU includes Integration and making a collaboration bridge/Link between Industry & Academia for an international standards (medical devices and equipment) Product globally acceptable by the medical Industry/commercial Market.

The product will be designed, developed, and manufactured through R&D, indigenization, Technology of Transfer (ToT) and reverse engineering projects. The products will be developed and manufactured by combined projects of universities faculty, students renowned independent researchers and industry to have a strong sustainable industrial base in Pakistan for export of all types of biomedical devices and equipment.

Mehran University Vice Chancellor Prof. Dr. Tauha Hussain Ali joined as the chief guest of the event was coordinated by by Prof. Dr. Bhawani Shankar Chowdry Professor Emeritus / Advisor MUET, Jamshoro. Prof Dr Syed Shahid Noor, President SSF signed the MOU on behalf of SSF.



MUET Signs MoU with SmartMentor

10 May 2022

One day Seminar on "Bridging the gap between Academia and Industry" was held at Haji Mehmood Senate Hall of Mehran University of Engineering & Technology, attended by deans of faculties and academic heads of the Mehran University of Engineering & Technology Jamshoro. Mr. Waqas Qadeer Soomro founder and CEO, SmartMentor.io was the guest speaker of the session. During the event MoU was signed between MUET and SmartMentor for future collaborations on Academic Cooperation and empowerment of students with existing Human capital, Alumni, and Knowledge capital to create positive social impact. Prof. Dr. Tauha Hussain Ali, Vice-Chancellor MUET joined as the chief guest of the event designed by Prof. Dr. Bhawani Shankar Chowdry Professor Emeritus MUET, Jamshoro.



NCRA Team Visits Karachi Urban Transportation Corporation

13 May 2022

National Center for Robotics and Automation, Condition Monitoring Systems (NCRA-CMS) Team from Mehran University of Engineering and Technology (MUET), Jamshoro visited Karachi Urban Transportation Corporation (KUTC) for discussing possible collaboration for Karachi circular railway project.

MUET NCRA-CMS team led by Meritorious Professor Dr. B. S Chowdhry, Dr. Tanweer Hussain and Dr. Faisal Karim Shaikh was briefed by Managing Director, Amir Muhammad Daudpota about feasibility analysis conducted for Karachi Circular Railway Project. Mr. Daudpota shared that 0.47 million passengers will be using the service from the day it launches and the project will be launched through Public Private partnership. The meeting was also attended by Mr. Kashif Yousfani, DS Pakistan Railways Karachi, and the officials of AI Engineering.

NCRA-CMS Team suggested about various aspects of routine inspection and maintenance schemes, operations, signaling systems to align the project with industry 4.0 standards and to provide a swift, eco-friendly, reliable, and safe, public transport system to the citizens of the megacity Karachi.

In meeting, both KUTC and MUET discussed the ways of future collaboration, possible opportunities for technical assistance in development projects, and building the capacity of both organizations and individuals.

The DS Pakistan Railways Karachi and Managing Director KUTC also assured full support for current projects being carried out at NCRA CMS.



Inauguration Ceremony of National Expansion Plan of NICs

23 May 2022

Inauguration ceremony of the Project "The National Expansion Plan of NICs, a project of Ministry of Information Technology and Telecommunication (MoIT&T) in partnership of Punjab Information Technology Board (PITB) and completion ceremony of first cohort under the said project was held at USPCAS-W Auditorium of Mehran University of Engineering & Technology, Jamshoro. Ms Tanzeela Umi Habiba, Special Assistant to CM: Information Science & Technology was the chief guest of the event. Inauguration ceremony of the project held at new building for the National Incubation Centre @ MUET was held in company of Prof. Dr. Tauha Hussain Ali, Vice Chancellor MUET, Jamshoro followed by a certificate distribution ceremony to present achievement certificates among successful startups founders.





Sindh HEC Faculty Development Program

13-18 June 2022

In collaboration with Higher Education Commission Sindh Mehran University of Engineering & Technology, Jamshoro hosting a 6 days Faculty Development Program for the faculty of different university of south cluster, Sindh. Mr. Javed Ahmed Chachar Director HEC Sindh was the chief guest of the opening ceremony of the training program. Prof. Dr. Aftab Ahmed Memon, acting Vice Chancellor MUET talked about the importance of these type of training programs for the grooming of teachers of the higher education providing institutes.

