

Technical Activities during the Year 2021 - 2022

SEMINARS

National Conference on Stability & Success in Challenging Times 17th June 2021

KDK College of Engineering, Nagpur is organizing National Conference on "Emerging Technology and Trends in Engineering" 'SPARK-2021-XVII' on 17th June, 2021 in association with The Institution of Engineers (India), Nagpur Local Centre.

International Conference on Research and Innovative Perspectives in Engineering "ICRIPE-2021" 29th & 31st July, 2021

Government College of Engineering Nagpur with technically sponsored by DTE, IEI, ICI, IWWA and IETE successfully organized International Conference on Research and Innovative Perspectives in Engineering "ICRIPE-2021" from 29th July to 31st July 2021. ICRIPE was an international level multidisciplinary conference covering range of topics from Electrical, Electronics, Computer, Civil and Mechanical Engineering. It included plenary sessions and Key note speeches delivered by various experts from academia. It provided a forum for national and international researchers to present their contribution towards advances in technology and to interact and establish network with other researchers and industry experts.

The inaugural ceremony on 29th July 2021 marked the beginning of the three days expedition. The ceremony was graced by Hon' Dr. Sam Pitroda, Former Advisor to Prime Minister on Public Information Infrastructure and Innovation (PIII) Govt of India, who joined online from Chicago, USA as the chief guest and key note speaker. He edified the gathering on the significance of hyper connectivity, relating it to 'modern problems' in India like health, transport and education. Dr. Abhay Wagh, Director, Directorate of Technical Education conveyed his approbation and guidance via his message.

The introductory remark by Convener Dr. K. M. Tajne, the welcome address by Principal Dr. N.D. Ghawghawre and the unveiling of 'The Book of Abstract' were the key highlights of the event. The inaugural ceremony concluded with the vote of thanks by Program Chair, Dr. Rajashree Raut.

A total of 545 authors contributed their valuable research on novel concepts with validation through experimentation, computational and simulation analysis making the ICRIPE a highly technically profound conference. Out of 160 contributed papers received, 99 papers were accepted for oral presentations through peer review of the manuscripts and plagiarism check.

National Conference on A Paradigm Shift for Quality Sustenance in Higher Education through Accreditation (NC-QEA-2021) 10th-11th December 2021

Two-Day Virtual National Conference on "A Paradigm Shift for Quality Sustenance in Higher Education through Accreditation" (NC-QEA-2021) Organized by Internal Quality Assurance Cell and Department of Civil Engineering, K D K College of Engineering, Nagpur with Technical Support of The Institution of Engineers (I), Nagpur Local Center, Government College of Engineering, Nagpur, Indian Concrete Institution, Nagpur Center, and Indian Water Works Association, Nagpur Chapter on 10th-11th December 2021. About 250 participants across the country participated in the conference.

Chief Guest & Keynote speaker of Inaugural session was Dr. Pramod Pabrekar, Senior Consultant, Rashtriya Uchhata Shiksha Abhiyaan (RUSA), Government of Maharashtra.

Chief Guest of Valedictory Session was Dr. Sachin Solanki, Assistant Director, Directorate of Technical Education, Government of Maharashtra.

Other Keynote Address & Guest of Honors was

1. Dr. Leena Gahane, Deputy Advisor, National Assessment and Accreditation Council (NAAC), Bangalore,
2. Dr. Indrani Bhaduri, Professor & Head, National Education Research and Training (NCERT), New Delhi.
3. Dr. Preeti Bajaj, Vice-Chancellor, Galgotias University, Greater Noida

The conference began with a formal inauguration. Dr D P Singh, Principal, K D K College of Engineering welcomed the gathering. Dr. Avinash Badar, Conference Chair, in his opening remarks acknowledged the National Assessment and Accreditation Council (NAAC) for financial assistance to the college to organize this conference. The Convener of the conference Dr. Valsson Varghese placed a brief note of the conference. He informed the gathering about how the conference was conceptualized, the chief guest & the guest of honours, the schedule for the two-day conduction of the conference, the presence of luminaries of the academic field for the keynote addresses, etc. All the dignitaries were welcomed with virtual bouquets.

Conference on Fly Ash Utilisation & Green Building Material 16th & 18th Dec. 2021

Conference on Fly Ash Utilisation and Green Building Material "Green Ashcon & Green Buildcon" organizing jointly by IE(I), NLC & Green Ash Foundation from 16th to 18th Dec. 2021. Union Minister Shri Nitin Gadkari was the Chief Guest of the valedictory function.

Union Minister Shri Nitin Gadkari was the Chief Guest of the valedictory function of the three-day national conference on fly ash utilization "Green Ashcon and Green Buildcon 2021" held on 16th to 18th Dec. 2021 at IEI, Nagpur, said that the power generating companies should aggressively promote use



of fly ash in the precast industry wherein it can be used substantially to make the various products.

The conference was organized jointly by Green Ash Foundation and The Institution of Engineers (India), Nagpur Local Centre.

Shri Gadkari further said that engineering institutes should also come forward and promote precast panels for roads and in other construction areas as it reduces cost of construction and pollution too. He highlighted the technology that is being used in Malaysia which uses steel fiber to make long precast beams of flyovers "This increases the distance between the two pillars and even reduces construction cost. Extensive use of fly ash is possible in such projects making it economically viable and environmentally sustainable, he said.

He assured full support to the viable initiatives that are being taken up in this sector and expected more work and research to make fly ash utilization profitable for users, Gadkari congratulated Mr. Sudhir Paliwal, Convener of the Green Ashcon and Green Buildcon 2021 for his consistent efforts to create awareness on utilization of fly ash.

Rajya Sabha MP Dr. Vikas Mahatme put forth his thoughts before the delegates and guided on how impetus can be given can be given to channelized utilization of fly ash. He also assured to promote and support the fly ash initiatives.

Mr. Sudhir Paliwal said that instead of exporting fly ash, it should be treated, activated and utilized locally. Further, he said that fly ash has various rare elements like alumnia, silica, magnetite. Titanium dioxide etc., that can be extracted and sued, so it should be conserved as a valuable resource which will have great demand to future. He demanded fly ash transport subsidy revision so as to make applicable only to fly ash use which reduces carbon emission and global warming.

Mr. Bipin Shrimali, CMD, MAHAPRETT, spoke about the various initiatives that would be taken up for setting up by ash cluster and promoting green concrete. He also explained about the employment opportunities that are available in the sector for the backward class beneficiaries. Before the valedictory session, various sessions took place wherein Mr. Pravin Mudholkar from BBC Marathi spoke on role of media awareness on fly-ash.

Mr. V. M. Motghare, Director, MPCB spoke on fly ash and pollution issues while Dr. Nitin Wagh, Executive Director, Mahagenco, spoke on beneficial utilization of fly ash. Er. Milind Pathak, Chairman, The Institution of Engineers (I), Nagpur Centre, gave the welcome address and also proposed the vote of thanks.

International Conference on Advancement in Science, Technology and Management (ICASTM-2021) 23rd & 24th Dec. 2021

International Conference on "Advancement in Science, Technology and Management (ICASTM-2021)" on 23rd and 24th December, 2021 (Online Mode) was organized by S. B. Jain Institute of Technology, Management & Research, Nagpur in technical association with The Institution of Engineers (India), NLC, Indian Society for Technical Education, The Institution of Electronics & Telecommunications Engineers.

Dr. P. M. Padole, Director, VNIT, Nagpur was the Chief Guest & Dr. P. B. Maheshwari, Dean, Faculty of Eng, RTMNU, Nagpur & Dr. G. N. Tiwari, Professor, Department of Energy Sciences and Engineering, IIT Delhi was the Special Guest.

Dr. G. N. Tiwari, Professor, Department of Energy Sciences and Engineering, IIT Delhi was Keynote Speaker.

WORKSHOPS

Workshop on PYTHON using Data Science & Machine Learning 1st May, 2021

Department of Computer Science and Engineering of Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur organized One Day Workshop on "PYTHON using Data Science and Machine Learning" in association with IE(I) Nagpur Centre on 01-May-2021. This workshop is delivered by using Cisco WebEx a platform. Around 400+ participants have registered themselves which are from various areas such as Nagpur, Amravati, Gondia, Mumbai, Pune many more cities across Maharashtra State. The session begins with Online Opening Remark by Prof. Gajanan Patle, HOD of CSE Department. One Day Online workshop was addressed by an expert Mr. Nakul W. Deshmukh Senior Software Developer from iBase Electrossoft LLP, Nagpur.

Workshop on Proteus Software and PCB Design 16th January, 2022

Dept. of Electrical, YCCE, Nagpur in association with IEI Nagpur Local Centre organized a one-day workshop on "PROTEUS SOFTWARE AND PCB DESIGN" on 16-01-2022 in collaboration with TE Connectivity India Pvt. Ltd., Bangalore. The Electrical Engineering Deptt. arranges the various kinds of Workshops on continuous basis to enhance student's practical & technical skill and to make them compatible with industry. The workshop was aimed to provide knowledge about Complete PCB Designing using simulation tool to test electronics & electrical circuit in software environment and also its Fabrication, PCB design software named Proteus 8.11 & to make physical PCB at home so that any student can make project on his own. Almost 37 students from III Sem EL and V Sem EL of our college have participated in the workshop.

CELEBRATION OF SPECIFIC DAYS

World Telecommunication Day

17th May 2021

World Telecommunication and Information Society Day was held online on 17th May 2021. Er. Jeet Parekh, Team Lead, Blockchain and Multiparty Systems, Accenture, India was Chief Guest & Keynote Speaker. Theme was "Accelerating Digital Transformation in challenging times". Er. Nilesh Parekh was Convener of the program.

World Environment Day

5th June 2021

The Institution of Engineers (I) has celebrated 'World Environment Day 2021' on 5th June 2021 Saturday at IEI's Nagpur Local Centre (NLC) on virtual platform of Google Meet. Dr. R L Shrivastava Chairman of the NLC gave the opening remarks outlining need of the celebration. Dr. Ramesh Daryapurkar, Convener for the programme elaborated significance of World Environment Day to the audience and also shared the recent achievements of India in Climate change mitigation. Dr. Sandeep Shirkhedkar, Co-convenor introduced the Chief Guest Dr. C B S Sengar, Advisor-Environment, Bhushan Power & Steel Ltd. Chief Guest for the function Dr. Sengar delivered a Keynote address on "Greening the Mind, Healing the Mother Earth" in line with the WED theme of 'Restoring Ecosystem'. In his detailed presentation, he elaborated importance of ecosystem, types of ecosystem and various measures to be undertaken as an individual and as an organisations

Dr. R L Shrivastava, Chairman announced that an award is being instituted by IEI NLC named "Paryavaran Saathi" to be awarded to best performing NGO / trust / organisation from the year 2022 to be conferred on World Environment Day every year. Dr. H O Thakare, Council Member, IEI, HQ summed up the proceedings while Dr. M S Kadu, Secretary NLC proposed vote of thanks. Er. Mahesh Shukla conducted the proceedings of the entire function very well. The programme was attended by Engineering fraternity in large numbers.

Royal Charter Day

9th September 2021

The Institution of Engineers (India), Nagpur Local Centre celebrated Royal Charter Day-2021 on 9th of September, 2021. It was marked by 1st Er. R. B. Khanzode Memorial Oration on the theme "Management in 21st Century Post Pandemic. Er. Shrikant Dube, Plant Head, Mahindra & Mahindra Ltd., Nagpur was invited as the Chief Guest and Keynote Speaker for the occasion. The Program started with the Welcome Address & Briefing about Royal Charter Day by Dr. Rakesh L. Shrivastava, Chairman, IEI, Nagpur Local Centre. Er. Milind Pathak, Chairman (Elect), IEI, NLC read the LIFE Sketch of Er. R.B. Khanzode. Dr. Sandeep Shirkhedkar, Jt. Secretary, IEI, NLC Introduced the Chief Guest, Er. Shrikant Dube.

Er. Shrikant Dube in his oration conveyed how the Indian auto sector got impacted. He told that the pandemic-induced



lockdown resulted in the shutting down of production at original equipment manufacturers. He explained how the pandemic led to disruption of the entire value chain of major industries in India, and how it negatively affected production of auto spare parts in micro, small and medium-sized industries. He said in his speech that the reduction in consumer demand for passenger vehicles contributed to a loss in revenue and a severe liquidity crisis was looming in the sector and production cuts due to slump in demand negatively impacted employment growth. He further said that Indian automotive sales have shown resilience during the pandemic but have not returned to their pre-COVID-19 strength. He gave the roadmap as to what will it take to go from resilience to resurgence in various sectors and of the economy as a whole. He said that despite the ongoing challenge of COVID-19, the Indian industries seem to be overcoming most of its challenges, and many are now in the rearview mirror. He added that the different sectors are benefiting from new tail winds, such as global supply-chain rebalancing, government incentives to increase exports, and technology disruptions that created white spaces. He emphasized that the developments will help create opportunities at all levels of the automotive value chain.

Dr. Mahendra Kadu, Hon. Secretary, IEI, NLC proposed a vote of thanks. Dr. Mahesh Shukla was the Master of ceremony. More than 60 members attended the program.

54th Engineers Day

15th September 2021



The Institution of Engineers (India), Nagpur Local Centre celebrated 54th Engineers Day on 15th of September, 2021 on the theme "Engineers for Skill Development & Employment in Combating COVID" at IEI, Nagpur.

Dr. M.K Sharma, CEO & Whole Time Director, Bajaj Steel Industries Ltd., Nagpur was the Chief Guest and Keynote Speaker. Er. Prakash K. Kulkarni, Retd. Technical Director, MSEB, Mumbai & Past Chairman, Nagpur Local Centre, IE(I) was the President of the function.

The Program started with Garlanding of Bust of Bharatratna Sir M. Visvesvaraya. Dr. Rakesh L. Shrivastava, Chairman, IEI, NLC gave the Welcome address. Er. Satish Raipure, Convener, Civil Engg. Dn. IEI, MSC read the Life Sketch of Bharatratna Sir M. Visvesvaraya. Dr. J.F.Agrawal, Member, Mech. Engg. Dn., IEI, NLC introduced the Chief Guest Dr. M.K Sharma to the audience.

Dr. M.K. Sharma in his keynote speech started with the achievements and contributions made by Bharatratna Sir M. Visvesvaraya and related his Economic Planning of India, Planned Economy for India and Reconstructing India with combating COVID crisis in India. He said that the heralding of a new decade in 2020 was marred with plummeting of the global economy pushing millions into penury as the COVIO 19 pandemic took center stage. He added that the industries were and are reeling under an economic downturn and many industries have adopted conservative approaches like hiring freezes, pay cuts and layoffs to remain afloat while others were forced to shut down. The shutting of commercial establishments due to the second wave of COVID- 19 has rendered several people jobless leaving them financially vulnerable. He emphasized that professional engineers, need to think of technical interventions to design and implement sound labor market information systems, including accurate market assessment and need anticipation, and put in place processes for skills recognition to prevent attrition, poor labor market integration and deterioration of working conditions for all workers. He said that there was no looking back as while moving along, the biggest challenge at hand will be getting back on track and accept the new normal. Under the new normal, the jobs, which are heavily dependent on migratory workforce and involve work spaces, there will be a dire need to scale up Skill Development Ecosystem while strengthening our infrastructure. Access to skills recognition processes, especially for low- and medium-skilled migrant workers, will be crucial & would assist in formulating policy recommendations for improvement of the relevant legislative and operational mechanisms. Finally, he said that COVID-19 pandemic has provided us with an opportunity to come up with a well-crafted strategy to deal with this crisis and uncertainty persists, it will be imperative that our workforce is empowered with the right skills through timely and relevant skilling, upskilling and reskilling efforts. He added that it will make people more agile and resilient, and they will be able to cope with the challenges posed by the current pandemic and what lies beyond.

Dr. Sandeep Shirkhedkar, Jt. Secretary, IEI, NLC, Introduced President offunction, Er. Prakash K. Kulkarni.

In his Presidential address Er. P. K. Kulkarni said that educating & skilling the youths of the country to enable them to get employment is the altar of the Engineers. He said that, there is a changing paradigm in skill training towards demand-driven training to en-sure employability & placement of the youth. He further said that due to the fact that organizations operate in an increasingly competitive environment, it results in a need for continuous employee skill development. He added that the rapid pace of technological change requires everyone to continue learning throughout life.

Dr. Mahendra Kadu, Hon. Secretary, IEI, NLC proposed a vote of thanks. Dr. Mahesh Shukla was the Master of ceremony. More than 100 members attended the program.

Annual Function and conducted the 24th Dr. V. M. Dokras Memorial Oration

29th October 2021



The Institution of Engineers (India) Nagpur Local Centre organised its Annual Function and conducted the 24th Dr. V. M. Dokras Memorial oration on 29th of October 2021 at Nagpur Local Centre premises. The theme of the function was "Management in New Normal". Dr. Pramod Padole, Director, VNIT, Nagpur was the Chief Guest of the function. Dr. Rakesh L. Shrivastava, outgoing Chairman, IEI(NLC), gave the welcome address. In his speech he stressed on the changes expected in Covid times and expectations from Engineers to overcome the situation by their knowledge and skills in this period. Dr. J.F. Agrawal, Member, Mechanical Division, gave a brief information about Dr.V.M.Dokras to the audience. Chief Guest of the function was introduced by Er. Satish Raipure, Member, Civil Division. Dr. Pramod Padole in his oration briefed the audience about the various emerging technologies in Bio Medics and the role of Engineers. He stressed upon the need of Artificial Intelligence to society. In his oration he explained how various ailments in the human body can be cured and how 3D printing and TRIZ can come into effect. He told about various technologies emerging in the field of medical science combined with engineering. He emphasised on low cost, fast recovery, quick availability and better and easy modes of treatment to patients with different and varied problems. Dr. Mahendra Kadu , Outgoing Secretary IEI, NLC, presented the Annual report. He briefed about all activities carried out during last two years in IEI, Nagpur Local Centre. Mementos were presented to Convenors and Org. Secretaries who conducted Seminars, Workshops and conferences etc. under the ageis of IEI, NLC. Installation of New team was done for the session 2021-23 and Ek. Milind Pathak and Dr. Shailesh Kamble took over as the new Chairman and Secretary. A local body constituting various committee members was formed. Er. Milind Pathak, Chairman Elect, in his first address as Chairman, gave out a plan of all activities; he along with his team will be focussing on during the next two years. Felicitation of the Outgoing Chairman and Secretary were done by the hands of Dr. Pramod Padole. Er. Milind Pathak, Incoming Chairman felicitated Dr. Pramod Padole with a memento as a token of respect and gratitude towards him from IEI(NLC). Vote of thanks was given by Secretary elect Dr. Shailesh Kamble. Dr. Mahesh R.Shukla was the Master of the ceremony. The program was followed by dinner for all the invitees.

Er. A B Kottewar Memorial Oration

17th November 2021



The Annual event, Engineer AB Kottewar Memorial Oration was organized at The Institution of Engineers (India), Nagpur on 17th November 2021, to acknowledge invaluable contribution of Er. AB Kottewar, a well-known practicing Electrical Engineer in Vidarbha region, an expert in the fields of Electrical Safety, Reliability, Reforms in Power sector, Consumer protection and Regulatory control.

Er. V.M. Bodhankar, Ex. Sr. Distribution Engineer, BSES, Mumbai and SCECO, Giza, Saudi Arabia, an eminent Electrical engineer in the field of Urban Power Distribution in metro cities like Mumbai and Giza, Saudi Arabia, with over 40 years of experience in maintenance of Power distribution and Illumination networks to various clients in Mumbai, India and overseas, was Chief Guest and Keynote speaker.

Chairman of IE(I) Nagpur Er. M.A. Pathak; Past Chairman Er. M.D. Date; Er. (Dr.) S.D. Kamble, Hon. Secretary, IE(I) Nagpur and Er. Ramesh Akulwar, Convener were on the dais. Er. Nikhil Mangrulkar conducted the proceedings of the event. Er. Ramesh Akulwar highlighted the life-sketch of Er. AB Kottewar and projected his achievements, contribution to the Institution and engineering fraternity.

In his Keynote, Er. V.M. Bodhankar highlighted the need of uninterrupted power supply to the most prominent city of the country, that is Mumbai and shared his contribution in maintaining the same in '70s. The uphill task of keeping the city illuminated was aptly handled by him with his innovative approach to the challenging task. With his extraordinary initiatives, the situation was not only managed efficiently but appreciated by all the stakeholders. His leadership approach made the task of maintaining uninterrupted power availability especially during the holy month of Ramadan in Giza, Saudi Arabia were acknowledged and rewarded by the highest administrative authorities, there. The ease of understanding facilitated by his oration mesmerised the audience which comprised of Invited Dignitaries, members of The Institution of Engineers (India) Nagpur, Nivrutta Abhiyanta Mitra Mandal (MSEB) Nagpur, Vidarbha Electrical Contractors' Association and family members of Er. AB Kottewar.

Er. (Dr.) S.D. Kamble, Hon. Secretary, IE(I) Nagpur proposed Vote of Thanks. The event was followed by High-Tea to the guests.

Energy Conservation Day

21st Dec. 2021



The Institution of Engineers (India), Nagpur Local Centre celebrated "Energy Conservation Day" by conducting a one-day workshop on Energy Conservation on 21st Dec'2021. Er. Hemant Patil, Superintending Engineer, PWD was the Chief Guest of the function. Er. Nishikant Kelkar, Sr. General Manager, PGCIL presided over the program.

Er. Milind Pathak, Chairman, IEI, NLC welcomed the chief guest and delivered the welcome address.

Er. S.F. Lanjewar, Convener briefed about the program and expert sessions on industrial case studies. Er. Piyush Kokate, Sr. Scientist, CSIR, NEERI, Er. Satish Kumar, Joint, G.M., MOIL, Er. Manish Itankar, Er. Dipak Sharma and some other experts presented case studies during the workshop.

Prof. Radharaman Shaha, Er. M.P. Hedao, Er. V. V. Nagdeo, Er. A. R. Sawatkar, Prof. Sandip Kale, Dr. Neeta Thune and others were also present during the program. Er. S.F. Lanjewar was Convener of Energy Conservation Day 2021.

Irrigation Day - 2022

26th Feb. 2022



The Institution of Engineers (India), Nagpur Local Centre and Sinchan Sahayog, Nagpur jointly organized "Irrigation Day" on 26th February 2022 at The Institution of Engineers (India), Nagpur. Irrigation Day is celebrated in memory at Late Shankarrao Chavan, former Chief Minister of Maharashtra.

Shri Ashish Deogade, Chief Engineers, Gosikhurd Project, Water Resources Deptt., Nagpur was Chief Guest. Shri Milind Pathak, Chairman, The Institution of Engineers (India) welcome the guest. Shri Shrikant Doifode, President, Sinchan Sahayog gave introductory remarks and told about the efforts done by Late Shankarrao Chavan for the development of Irrigation works in Maharashtra.

Chief Guest Shri Ashish Deogade told about the initiative

taken by Late Shankarrao Chavan in Irrigation development of Maharashtra and particularly about the Jayakwadi project on Godavari river. Jayakwadi project is shallow project and for this project Shankarrao Chavan has taken great efforts for sanctioning this project. His efforts were then used for sanctioning this project. His efforts were then used for sanctioning at other projects in Maharashtra. Shri Deogade gave the information about Gosikhurd project on Wainganga river. In addition to irrigating two and half lakh hectares of land, the project is now developing non-conventional energy, environment, tourism, forest developments, bird sanctuary and other fields.

Shri Shrikant Doifode conducted the program. Shri Prakash Kawale introduced the guest and Shri Milind Pathak proposed vote thanks. Er. S.S. Doifode was Convener.

World Water Day

23rd March 2022



The Institution of Engineers, Nagpur Local Centre, Indian Water Works Association (IWWA) and Vidarbha Irrigation Development Corporation (VIDC) jointly celebrated World Water day 2022 on 23rd March 2022 along with Dr. A G Bhole Memorial Oration.

Er. Rajendra Mohite, Executive Director of VIDC was the Chief Guest for the function while the Memorial Oration was delivered by Dr. Sandeep Shirkhedkar, Director, imaGIS Engineering Solutions & Vice President (W), ACCE.

As a Key Note Speaker Er. Rajendra Mohite briefed the audience about the storage capacity and irrigation potential created and to be created under VIDC.

Dr. Sandeep Shirkhedkar in his memorial oration shared a case studies of a systematic implementation of ridge to valley treatment for effective water conservation which was successfully adopted in Mouda, Hingna, Umrer, Anjangaon, Achalpur in Vidarbha Region.

Dr. Hemant Thakare, President IEI Kolkata presided over the function and in his remarks, Dr. Hemant Thakare briefed the audience on various activities undertaken by IEI and exhorted all to adopt water conservation measures.

Earlier, Chairman of Nagpur Local Center, Er. Milind Pathak in his opening remarks welcomed all guests and invitees and extended his best wishes for the event. He also briefed about various activities towards water conservation being undertaken by IEI.

Dr. Ramesh Daryapurkar, Convener for the programme took the efforts to bring in the three different institution (IEI, IWWA & VIDC) on single platform for celebrating World Water Day 2022 and also explained the significance of the day and the theme for the year being "Groundwater – Making the Invisible Visible." He stressed that avoiding over-exploitation and pollution of ground water are the important objectives of World Water Day.

On this occasion, contribution of Dr A G Bhole in the water sector was narrated by Dr. Kalpana Bhole, Secretary, IWWA and she recognized the presence of his family members.

Er. Ashish Deogade's active support was specifically acknowledged by the Hosts. Dr. Shailesh Kambale, Hon. Secretary IEI NLC proposed vote of thanks and Event Mementos were exchanged at the end of programme. The programme was well conducted by Mr. Sanjay Tatwawadi. The programme was attended by large number of engineers, professionals dealing in water supply and management field.

OTHER ACTIVITIES

- i) St.Vincent Pallotti College of Engg. & Tech., Nagpur organized Online Intra-Collegiate Technical Event "Technico-Entrevista-2021" (Paper & Poster Presentation Competition) on 8th May 2021 in association with IE(I), Nagpur Local Centre.
- ii) 6 days Faculty Development Program on "Cyber Forensic & Cyber Security" for the faculties of Engineering colleges & industry persons organized online by Dept. of Computer Technology, YCCE, Nagpur in association with The Institution of Engineers (I), Maharashtra State Centre and Nagpur Local Centre during 20th to 25th Dec' 2021. The resource persons were Mr. Piyush Varma and Mr. Parimal Padhye, from FORnSEC Solutions. The FDP was attended by 80-90 participants. All the faculties get good knowledge of
 - Fundamental of Cyber Security and Cyber Forensic
 - Overview of Internet Security.
 - Introduction to Cyber Crime.
 - Introduction to Cyber Forensic Investigation.
 - Computer forensic Investigation Steps
 - To learn the latest Internet security techniques, firewalls etc
 - To provide a basic knowledge of ethical hacking
 - Facebook hacking and security
 - Android hacking and security
 - E-mail Security
 - Security from malware, Trojans, Viruses. Convener was Dr. S.D. Kamble.
- iii) The Deptt. of Computer Science & Engg., KDK College of Engineering in association with The Institution of Engineers has organized one-week faculty development Program "Latest Developments in the Technological and Management Fields of Salesforce CRM" from 26th February to 3rd March 2022.

The eminent speakers from industries who delivered their expert talk are Er. Somil Deshmukh, Senior Technical Specialist, TCS Nagpur, Er. Aniket Samarth & Er. Monali Jagtap, Senior Technical Lead, Maantic Technologies, Pune, Er. Shishir Shrivastava Senior Manager TEK Systems Global Services, Pittsburgh, USA, Er. Anup Barwat Vice-President, JP Morgan Chase, Houston, Texas, USA.

The valedictory function was held on 3rd March 2022 at 5.00 pm and the certificates are issued to all eligible participants.

iv) Priyadarshini College of Engg., Nagpur in association with IEI, NLC & IETE organized One Week Online STTP on "Recent Trends and Research Areas in Electronics, Electrical and Computer Engineering" during 17th to 22nd Jan. 2022. The inauguration was held on January 17, 2022 at 11:30 am in the Deptt. of Electronics and Communication Engg. at the hands of Er. Milind Pathak, Chairman, The Institution of Engineers (India), Nagpur Local Center in the presence of Dr. V.M.Nanoti, Director, Engineering, LTJSS, Dr.S.A.Dhale Principal PCE, Nagpur and Dr. G. M. Asutkar, Vice Principal, PCE, Nagpur.

The program began with the virtual lighting of the lamp. Prof. Mrs. V. B. Bagde, Coordinator, STTP gave a brief overview of the program. Dr. Mrs.A.P. Rathkanthiwar, Convener and Head, E&C Engg., addressed the gathering and enlighten the participants. Dr. G.M. Asutkar guided the participants and discussed about various latest trends and research areas associated with these branches of Engineering. Dr. S. A. Dhale addressed the gathering and told why such programs are required for

enhancing the learning perspective and guiding students in selecting the research area.

Dr. V. M. Nanoti talked about how to bridge the digital divide in the classroom.

Er. Milind Pathak presented the keynote address and talked about innovations and Industry 5 concepts.

The program witnessed the presence of Deans, Heads of various Departments and Faculty members of the college. The program received an overwhelming response from around 85 participants. Program was concluded with a formal vote of thanks by Prof. Mrs. S. S. Wasnik Co- Coordinator, STTP.

The program was conducted by Prof. V. Shirpurkar.

The Valedictory Function was held on January 22, 2022 at 02:30 pm at the hands of Chief Guest. Dr. S.L.Badjate, Chairman, IETE, Nagpur Center in the presence of Dr. G.M. Asutkar, Vice-Principal, PCE, Nagpur.

The program began with the virtual lighting of the lamp. Dr. Mrs. A.P. Rathkanthiwar, Convener and Head (E.and C Engg.) gave welcome address and briefed about all the sessions being held by Expert Speakers of the program. Dr. G. M. Asutkar congratulated the Department for organising this STTP which will help participants in selecting the research area. Prof. Mrs. S. S. Wasnik, Co-ordinator, STTP introduced the Chief Guest. Dr. S. L. Badjate, guided participants & briefed about various IETE programs being held during the pandemic. Participants gave oral feedback virtually. Prof. Mrs. V.B. Bagde, Coordinator, STTP proposed a formal vote of thanks.

Prof. Mrs. V. Shirpurkar conducted the program

LECTURE / GROUP DISCUSSION PROGRAMMES

SN	Date	Topics of Lectures/Group Discussion	Speaker(s)	Convener(s)
1	9.8.2021	Lecture on "Electrical Fire & Safety in Hospitals	Er. M.D. Date	Er. M.A. Pathak
2	9.2. 2022	Exhibition of Swaraj Yatra Bus and Lecture on Energy Swaraj	Prof. Chetan Solanki, IIT, Bombay	Er. M.A. Pathak
3	24.2.2022	Protection of Consumer Rights organized jointly with RTM Nagpur University Alumni Association	Dr. Santosh Kakde, President, Maharashtra State Consumer Dispute Redressal Commission, Mumbai	Er. M.A. Pathak
4	30.3.2022	स्वतंत्रता संग्रामातील सौदामिनी - उदा. पासा	Er. M.D. Date, Past Chairman, IEI, NLC	

Membership of the Nagpur Local Centre as on 31st March 2022

Corporate Members (F/M/AM)	3,229
Sr. Technicians & Technicians	8,637
Total	11,866