



# INDIAN INSTITUTE OF CHEMICAL ENGINEERS HYDERABAD REGIONAL CENTRE

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## **ANNUAL REPORT: 2019 - 2020**

29<sup>th</sup> August 2020

Respected dignitaries, esteemed members, students and invited guests, a very good evening to all of you. On behalf of the Executive Committee of Indian Institute of Chemical Engineers - Hyderabad Regional Centre (IICChE-HRC), I take this opportunity in extending a warm and hearty welcome to you all and your family members to this **61<sup>st</sup> Annual General Meeting (AGM) of Hyderabad Regional Centre.**

It is my privilege to place the Annual Report 2019 - 2020 before you. I hope this report copy is with you. Last AGM-2019 was held on 06.07.2019 at the Hotel Blue Orchid, Habsiguda, Hyderabad. Nearly 125 members (including spouses and student award winners) attended the AGM. The following is the list of office bearers, Members, Co-opted Members of the Executive Committee of IICChE-HRC and Permanent Invitees for the year 2019 - 2020.

<b><u>OFFICE BEARERS</u></b>	<b><u>MEMBERS</u></b>	<b><u>PERMANENT INVITEES</u></b>
Dr. Sanjay Bhardwaj (ARCI) <i>Chairman</i>	Sri MGV Chalapathi Rao (IICT Rtd)	Prof. V. V. Basava Rao, President – IICChE
Sri C.P. Ramulu (IICT Rtd) <i>Vice Chairman</i>	Sri M. Ranga Rao (NFC Rtd) <i>(Chair, Student Chapters)</i>	Prof. S. V. Satyanarayana, Past President – IICChE
Prof. P. Shashikala (OUCT Rtd) <i>Vice Chairperson</i>	Sri E. Venkatesham (NFC) Dr. M. Mukunda Vani (AGI) <i>(Co-chair, Student Chapters)</i>	Prof. S. Venkateshwar, Past President - IICChE
Sri M. Misra (NFC) <i>Hon. Secretary</i>	Sri Chokkahula Apparao (NFC)	Sri A. Bhasker Reddy, Past President – IICChE
Sri S. Ilaiyah (OUCT) <i>Hon. Jt. Secretary</i>	Dr. Vineet Aniya (IICT)	Sri G. V. Sethuraman, Past President - IICChE
Sri D.N. Singh (NFC) <i>Hon. Treasurer</i>		Prof. R. Shyamsunder, Principal, OUCT
		Smt. Sheela, Past Chairperson, IICChE - HRC
		<b><u>STUDENT CHAPTER</u></b>
		<b><u>COORDINATORS</u></b>
	<b><u>CO-OPTED MEMBERS</u></b>	Sri S. Ilaiyah (OUCT)
	Sri Arun Anand (NFC)	Dr. S. Kishore Kumar (CBIT)
	Sri Baidurjya Nath (NFC)	Dr. S. Murali Mohan (NITW)
		Prof. S. V. Satyanarayana (JNTUACE)
		Prof. Dilip Kumar Bahera (JNTUACE)
		Prof. G. B. Radhika (BVRIT)
		Sri KSNV Prasad (BVRIT)
		Prof. Satyapaul Singh (BITSP, HYD)
		Prof. M. Mukunda Vani (CVSR-AGI)
		Sri Dipankar Das (JNTUH)

The elections for the Executive Committee for HRC were conducted by Sri A. Bhasker Reddy, Past President, IChE National Council, and the Executive Committee was elected for the year 2019-21. IChE - HRC is grateful to him for successfully conducting the election process.

For IChE National Council, Prof. V. V. Basava Rao has been elected as President for 2020, Prof. S. V. Satyanarayana has been completed his tenure as President, and Sri M. Ranga Rao completed his tenure as Hon. Joint Secretary for the year 2019.

## Activities of the year

With the co-operation and support of all EC members and permanent invitees during this period, nine Executive Committee meetings have been held and the following activities were carried out in 2019-20.

### Prof. V.V. Basava Rao elected as the President of IChE for the year 2020



Prof. V.V. Basava Rao, Head, Department of Chemical Engineering, University College of Technology, Osmania University has been elected as the President of Indian Institute of Chemical Engineers (IChE) for the year 2020 during 72nd Annual Session of IChE / CHEMCON 2019 Conference held at Indian Institute of Technology (IIT) Delhi during 15th - 19th December 2019. IChE – HRC extends its hearty congratulations to Prof. V.V. Basava Rao on this great honour and wishes that IChE shall reach newer heights under his visionary and dynamic leadership.

## Conference / Workshop / Seminars / Lectures Organized

### Seminar on Industry 4.0 organized



*Dr. Sanjay Bhardwaj delivering  
welcome speech*

Indian Institute of Chemical Engineers - Hyderabad Regional Centre (IChE - HRC) in association with QLeap Academy Pune and IIT Bombay Alumni Association (IITBAA) - Hyderabad



*Mr. S. M. Rao addressing  
the audience*

chapter organized a Seminar titled "Understanding Industry 4.0 and its Applications" on 20<sup>th</sup> September 2019 at Nuclear Fuel Complex, Hyderabad. Event was supported by HASAN AND SINGH Intellectuals@Law. The Seminar was attended by over 130 delegates from industry, academic institutions and R & D organizations.



Participants in the Seminar

Dr. Sanjay Bhardwaj, Chairman, IChE - HRC and President, IITBAA - Hyderabad chapter touched upon possible benefits of Industry 4.0 for organizations in his welcome address. Chief Guest for the event was Mr. S.M. Rao, past Chairman, IChE – HRC. Mrs. Sheela, Deputy Chief Executive, Nuclear Fuel Complex (Department of Atomic Energy, Government of India) was the guest of honour. Mrs. Sheela



Keynote address by Mr. Gaurav Kataria of Cyient Limited

was also felicitated for her outstanding services towards realizing the vision of IChE. Mr. Gaurav Kataria, Vice President, Cyient Limited was the keynote speaker. He spoke on the applications of Industry 4.0 and resultant value creation for stakeholders. Dr. Aravind Chinchure, Founder and CEO, QLeap Academy discussed technologies and other pre-requisites to achieve the competitive advantage through Industry 4.0. He deliberated upon several dimensions involved in integrating digital industrial technologies with existing organizational processes to create a smart and agile system. Mr. Ashutosh Parasnis, Director, QLeap Academy shared practical examples to illustrate the manner in which Industry 4.0 has benefitted the organizations.



Dr. Aravind Chinchure being felicitated

Mr. Ashutosh Parasnis, Director, QLeap Academy shared practical examples to illustrate the manner in which Industry 4.0 has benefitted the organizations.



Mr. Ashutosh Parasnis delivering the talk

Participants showed keen interest in the interactive Question and Answer session with the experts. Overall, programme received encouraging feedback

## International Conference RACE – 2020 organized by OUCT and IChE – Hyderabad Regional Centre

International Conference on “Recent Advances in Chemical Engineering (RACE) – 2020” was organized on 8<sup>th</sup> and 9<sup>th</sup> January 2020 at Osmania University College of Technology (OUCT) by Department of Chemical Engineering, OUCT and Indian Institute of Chemical Engineers – Hyderabad Regional Centre (IChE – HRC) on the eve of Golden Jubilee Celebrations (1969-2019) of OUCT. The conference is being supported by Rashtriya Uchchar Shiksha Abhiyan (RUSA) scheme 2.0, an initiative of MHRD, Government of India. Dr. S.S.V. Ramakumar, Director (R&D) and Board Members, Indian Oil Corporation Limited (IOCL) was the chief guest. In his keynote address, he



RACE 2020 Inauguration (L to R): Prof. Basava Rao, Dr. Ramkumar, Prof. Shyamsunder, Prof. S. Basu, Dr. Sanjay Bhardwaj, Prof. Ramesh Kumar, and Mr. S. Ilaiah

discussed the relevance of chemical engineering and technology for petroleum industry. He emphasized upon the need of adopting holistic approach for developing new technologies in the present context. Prof. S. Basu, Director, CSIR-IMMT Bhubaneswar was the Guest of honour. He exhorted the students to take up the entrepreneurship as one of the career options. Prof. R. Shyamsunder, Principal of OUCT presided over the inaugural function and discussed the role played by OUCT in human resource development for chemical sector during past 50 years of its existence. President of IChE and convenor of the conference, Prof. V.V. Basava Rao provided overview of the conference and urged the participants to exchange views on emerging trends in chemical engineering and its allied areas. Dr. Sanjay Bhardwaj, Chairman, IChE-HRC presented the vote of thanks in the inaugural session.



*Prof. Ravindra Gudi, IIT Bombay speaking during the RACE 2020*

As a part of the conference, several eminent speakers were invited. Prof. S. Basu from IMMT discussed about the development of a technology for the recovery of alumina from flyash. Dr. Anand Mohan from IIT Hyderabad delivered lecture on computational modelling for understanding blood coagulation. Third plenary lecture was delivered by Prof. Sriram Devanathan from Amrita University. He spoke on flame-retardant coatings on wood and polymer as well as on the solar based lemon grass essential oil distillation for sustainability and livelihood in tribal community. Fourth plenary lecture by Prof. Ravindra Gudi from IIT Bombay touched upon the role of green engineering / chemistry in promoting sustainability practices.



*Mrs. Sheela, past Chairperson, IChE – HRC speaking during the RACE 2020*

Dr. Tata Narasinga Rao from ARCI spoke on applications of nanotechnology. His talk covered the use of nanomaterials for textiles, energy storage devices and electric mobility. Mr. Rajender Brahman from Merck USA addressed the issues associated with process safety. These sessions were chaired by Prof. M. Narasimha from IIT Hyderabad, Dr. S. Sridhar and Dr. K. Yamuna Rani from IICT Hyderabad, Mrs. Sheela from IChE - HRC, and Prof. V. Ramesh Kumar from OUCT.



*Dr. T.N. Rao, ARCI addressing the participants*

4 poster sessions were organized to present more than 55 papers. These sessions were chaired by Mr. C.P. Ramulu, Mr. M. Misra, Dr. Sanjay Bhardwaj and Prof. Kavita Waghray. Oral presentations were made in 7 technical sessions on intensified heat transfer and mass transfer operations, advanced catalysis and reaction engineering, process control, modelling and simulation, solid and hazardous waste management, advanced engineering materials, other sub-themes of chemical and allied branches of engineering. Over 95 oral presentations were made in the technical sessions. Oral presentation sessions were coordinated by Dr. T. Jyothi and chaired by Mr. C.P. Ramulu, Mr. K. Ravichand, Prof. G. Prabhaker Reddy, Dr. C. Sumana, Dr. P. Sai Prasad, Dr. Sreepriya Vedantam, Dr. B. Rajam, Dr. M. Mukunavani, Prof. P. Raja Rao, Mr. P. Satyanarayana, Prof. P. Shashikala, Mr. D.N. Singh, Dr. K. Swamy, Dr. Vineet Aniya and Prof. Kavita Waghray.

Panel discussion on “Challenges, Threats and Opportunities in Chemical Engineering and allied areas” was chaired by Dr. Sanjay Bhardwaj and Prof. Hayavadana. Dr. B. Dinesh Kumar, Prof. A. Ravindernath, Prof. S.V. Satyanarayana, Dr. S. Sridhar and Mr. R. Kiran Kumar expressed their views in the session.



*Prof. R. Shyamsunder, Principal, OUCT speaking during the RACE 2020 thanks giving ceremony*

Valedictory session was presided over by Prof. Shyam Sunder. Prof. Ch. Gopal Reddy, Registrar, OU was the chief guest. Prof. S.V. Satyanarayana, Past President, IChE and Mr. S. Satyapal, Chairman, Board of Governors, OUCT were the guests of



*Prof. V.V. Basava Rao, President, IChE speaking during the RACE 2020 thanks giving ceremony*

honour. Presentation on Conference was made by Prof. V.V. Basava Rao and conference recommendations were presented by Dr. Sanjay Bhardwaj. Conference recommendations included several possible measures to enhance the collaboration among academia, industry and R & D. Mr. Ilaiyah, co-convenor of RACE-2020, presented the vote of thanks in the valedictory session.

Mr. A. Bhasker Reddy and Mr. G.V. Sethuraman, both the Past Presidents of IChE, Dr. S. Srinu Naik, Dr. B. Rajam, OUCT Alumni Association members, IChE members, faculty members of several engineering and technological institutions, research scholars, industry professionals and engineering students also attended the conference.

### Lecture on “Science and Spirituality” organized

IChE – HRC and OUCT organized a lecture titled “Science and Spirituality” by Shri Vimukta Chaitanya, Spiritual Teacher, Chinmaya Mission at OUCT on 31<sup>st</sup> January 2020. Shri Chaitanya completed his B. Tech. (Chemical Engg.) from OUCT, Hyderabad and Master’s degree in Computer Science from USA.

### Design Thinking Workshop organized



*Dr. Ajay Kohlatkar delivering the keynote address*

Indian Institute of Chemical Engineers - Hyderabad Regional Centre (IChE - HRC) and IITB Alumni Association (IITBAA) - Hyderabad Chapter in association with Department of Chemical Engineering, Anurag Group of Institutions (AGI) - Hyderabad organized a Design Thinking Workshop (DTW) on 25<sup>th</sup> February 2020. Venue of the Workshop was AGI, Hyderabad. Dr. Sanjay Bhardwaj, President,



*Welcome speech by Dr. Sanjay Bhardwaj*



*Mr. VVS Rao being felicitated after his speech*

IITBAA - Hyderabad Chapter and Chairman, IChE - HRC highlighted the relevance of DTW for scientific model making. Dr. Ajay Kohlatkar, Founder, Trizinbiz Advisory Pune and alumnus of IITB was the keynote speaker. Workshop mainly focussed on collaboration



*Audience interacting with Dr. Ajay Kohlatkar*

between designers and users for bringing ideas to life, and emphasized the linkage of design with the manner in which users think, feel and behave. CEO of Sowbal Aerothermics Secunderabad, Mr. V.V.S. Rao shared the nuances of technology commercialization and entrepreneurship during his address. Programme was attended by more than 125 participants including engineering students, academicians, scientists and industry professionals.

### **Panel discussion titled “Best Practices of Safety Management in Chemical Industry”**

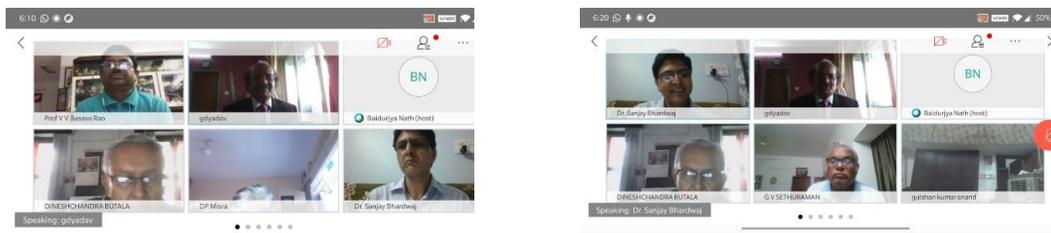
Chemical industrial sector is critically linked to safety and loss prevention. Besides hazardous material characteristics get aggravated with situational factors like trial runs, abnormal idling spells, subsequent restart etc., One of the most unfortunate accidents (including loss of few innocent lives) which occurred in a polymerization unit at Vizag (Andhra) is a relevant case in this regard. The specific abnormality, as compared to an otherwise normal activity, was probably associated with the manner of ‘recommissioning’ the process segment which was non-operational for about two months because of COVID related Lock down restriction.

Taking a cue from the above incident, the Indian Institute of Chemical Engineers - Hyderabad Region Centre (IICChE – HRC), which is a premier professional organization and a recipient of IICChE - Best Regional Centre award 2019, organized a panel discussion titled “Best Practices of Safety Management in Chemical Industry” on 31<sup>st</sup> May 2020 WebEx Meet digital platform. IICChE / IICChE - HRC plans to conduct programmes and courses on industrial safety aspects at regular intervals.

Padmashri Prof. G.D. Yadav, Emeritus Professor of Eminence and Former Vice Chancellor, Institute of Chemical Technology, Mumbai graced the occasion as Chief Guest and the moderator. Prof. V.V. Basava Rao, President, IICChE was the guest of honour. Prof. Yadav provided an overview of global scenario covering safety issues in chemical industry. In majority of the cases, human error was responsible. He mentioned that general perception of high probability of accidents during reaction time is not realistic; several accidents do happen in the storage tanks. He emphasized upon the need of learning the lessons from these accidents and ensure that such mistakes don't recur. Prof. Yadav advocated the requirement of confidence building between chemical companies and community living in the vicinity of the companies.

Prof. Basava Rao emphasized the significant need for releasing white paper based on the overall outcome of panel discussion such that due benefits of the exercise can be drawn by all stakeholders.

Dr. Sanjay Bhardwaj, Chairman, IICChE – HRC shared that all panellists have been distinguished professionals with experience and expertise in several aspects of chemical industry, regulatory departments etc. He also mentioned that the programme is being attended by representatives of industry, R & D and academia from all over the country.



*Panel Discussion in progress: Screenshots*

Panelists included following seasoned professionals from chemical sector:

I: Mr. P. Vijayaraghavan, Former President, Reliance industries Ltd and Past President, IChE

II: Mr. D. M. Butala, Chairman, Process Safety Group - IChE, Former Executive Director, GSFC Ltd, Vadodara and Past Vice President – IChE

III: Mr. Sushil Kumar, Former President, Reliance industries Ltd and Past President, IChE

IV: Mr. D.P. Mishra, Past President, IChE and former Director General of Indian Chemical Council (ICC)

V: Mrs. Sheela, former Deputy Chief Executive (Safety), NFC

VI: Mr. Madan Gavane, Process Safety Consultant, TUV –SUD

VII: Mr. VV Mahesh Kumar, Head, Safety Department, NFC

VIII: Dr. R. Venugopal, Deputy Chief Controller of Explosives, PESO, Ernakulam, Kerala

Other eminent speakers:

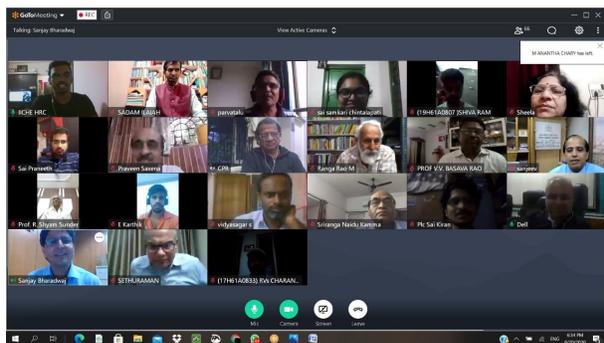
Mr. G.V. Seetharaman, Past President, IChE shared his experiences in pharma sector and Prof. R. Shyam Sunder, Principal, University College of Technology, Osmania University narrated the way safety issues are addressed in companies involved in manufacturing Fluorocarbons and Fluoropolymers.

General recommendation:

Panel had a consensus to recommend the creation of National Safety Board (NSB) for India. NSB should be statutory body with branches in all industrial areas. The analyses of incidences should be analysed and communicated to all so that they do not recur.

### **13<sup>th</sup> M.P. Chary Memorial Lecture held**

IChE-HRC organized 13<sup>th</sup> M.P. Chary Memorial Lecture on 20<sup>th</sup> August 2020 through digital platform. Lecture has been instituted in the memory of Sri M.P. Chary, who excelled as an entrepreneur. He was associated with the creation of Dr. Reddy's Laboratories Limited, Elbit Medical Diagnostics Limited, Magene Life Sciences Pvt Ltd and Globarena Technologies Pvt Ltd. Lecture was delivered by Dr. Sanjeev S. Katti, Director General, ONGC Energy Centre on "Green Energy, Clean Energy – Challenges and Opportunities". Dr. Sanjay Bhardwaj, Chairman, IChE - HRC welcomed the gathering and Sri S. Ilaiyah, Hon. Joint Secretary, IChE – HRC presented the vote of thanks. Volunteers from IChE – HRC student chapters conducted the proceedings. Prof. VV Basava Rao, President, IChE and Sri Anantha Chary - CMD - Globarena Technologies Pvt. Ltd. were chief guests on the occasion. Over 190 delegates, including Past Presidents and National Council members, and representatives from R & D, academia and industry attended the programme. EC members contributed for successful organizing of the programme.



13<sup>th</sup> M P Chary Memorial Lecture being conducted through digital platform

## Lecture on “Eternal Wisdom – Transforming Challenges into Solutions”

IICHe – HRC organized a lecture titled “Eternal Wisdom – Transforming Challenges into Solutions” on 29<sup>th</sup> August 2020 by Sri Vinay ji, who is an established philosopher, thinker and self-management expert as well as founder of Wisdom Foundation.

## Student Chapter Activities

### A: Inter- college student chapter competitions



Elocution competition in progress



Jury members assessing one of the Scientific Models



Mrs. Sheela addressing the participants of Essay Writing competition

Inter-College Competitions on Scientific Model Making, Technical quiz, Essay writing and Elocution were held on 25<sup>th</sup> February 2020 at AGI, Hyderabad. Jury included Prof. VV Basava Rao (President, IICHe), Mr. S M Rao (Past Chairman, IICHe – HRC), Mrs. Sheela ( Past Chairperson, IICHe – HRC), Dr. S. Sridhar (Senior Principal Scientist, Indian Institute of Chemical Technology Hyderabad), Mr. K. Ravichand (Consultant), Mr. M. Ranga Rao ( Chair, Student Chapters, IICHe – HRC), Mr. D.N. Singh ( Treasurer, IICHe – HRC) and Mr. Nishith Parikh (CEO, Rupa Industries, Hyderabad). Following are the competition-wise winners:

Competition	Student Name	Year	College Name and Position
Padmasri B V	Khaja Najamuddin	IV	Osmania University College of Technology (OUCT) - I

Raju Technical Quiz Competition	Preetham K	IV	Chaitanya Bharathi Institute of Technology (CBIT) - II
	Surya K	III	
	T.Sai prafulla	IV	
	D. Hanusha	III	
	S.K.Vaheed	II	
	K. Pavan Kumar	III	Jawaharlal Nehru Technological University Anantapur (JNTUA) -III
	MVR Sudheer	III	
	G. Sreekanth	IV	
Elocution (Sponsored by sri Allam Pandu)	P.Poojitha	III	OUCT-I
	Abhiram	II	Anurag Group of Institutions (AGI) -II
	Anand Krishna	II	B.V. Raju Institute of Technology (BVRIT) -III
Ramanathan Memorial Essay Writing Competition (Sponsored by Prof. V. Gopalakrishnan)	G V Sreevanya	II	JNTUA-I
	P Krishna Chaitanya	III	OUCT-II
	Phanindra Gupta	III	CBIT-III
Model Making	C.Jai Kishan	III	AGI-I
	Pooja Purohit	III	OUCT-II
	Surya Karla	III	
	Nikhil Komalla	III	
	Poojitha Pagala	III	
	Satchit Nagpal	III	Birla Institute of Technology & Science (BITS)-Pilani, Hyderabad Campus
	Aryan	III	
	Prasanth Syamala	III	



Valedictory session (L to R): Prof. VV Basava Rao, Prof. K.S. Rao, Mrs. Sheela, Prof. M. Mukunda Vani

Prof. V.V. Basava Rao (President, IICChE), Mrs. Sheela (Past Chairperson, IICChE – HRC) and Mr. S.M. Rao (Past Chairman, IICChE – HRC), Prof. K.S. Rao (Director, AGI), and Prof. M. Mukunda Vani (Head, Department of Chemical Engineering, AGI) shared their perspectives with the participants.

## Padmasri B V Raju Best Student Awardees 2020

Lakshmi pathi Vishali (AGI), K.Prathik Kumar (CBIT) , Mekala Meghana (JNTUA), Akhilesh Subramanian (BVRIT), Debashis Panda (BITS-Pilani, Hyderabad), Apurva Bhardwaj (NIT-W), Khaja Najamuddin Naveed (UCT, Osmania University), Palla Gopika Lakshmi Priya (JNTUH)

## B: College-wise events

### *Anurag Group of Institutions*

#### Industry visits

Chemical Engineering students visited

- Prathista Industries Limited, Hyderabad on 14<sup>th</sup> August 2019
- Nuclear Fuel Complex, Hyderabad on 16<sup>th</sup> August 2019
- Punya Herbals, Hyderabad on 13<sup>th</sup> March 2020



*AGI Students at Prathista Industries, Hyderabad*



*Students visiting Punya Herbals, Hyderabad*

#### Invited lectures

- Dr. Chandra Shekhar Sharma, Associate Professor, Dept. of Chemical Engg., IIT, Hyderabad delivered an invited lecture titled “Nanotechnology: A Tool to Solve Technological Problems with Societal Perspectives” on 22<sup>nd</sup> August, 2019
- Mr. H.R. Ravindra, General Manager (HR) & Head BARC Training School, Nuclear Fuel Complex (NFC), Hyderabad delivered an invited lecture titled “Nuclear Energy and Societal Benefits” on 28<sup>th</sup> August, 2019
- Mr. G. Vijay Kumar conducted a Workshop titled “Applications of Theory to Process Industries” on 29<sup>th</sup> and 30<sup>th</sup> August, 2019
- Mr. Mothilal Banothu, Process Engineer, Sipchem, Saudi Arabia delivered an invited lecture titled “Chemical Process Engineering and Simulation using Design Software” on 6<sup>th</sup> September, 2019



*Dr. M. Mukundavani and faculty members felicitating Mr. Mothilal Banothu*

- Mr. Lalit Kumar Kontham, Lead Engineer, West Rock, Texas delivered an invited lecture titled “Opportunities for Chemical Engineers Abroad” on 13<sup>th</sup> December, 2019
- Prof. Claire F. Komives, Professor, San Jose State University, California delivered an invited lecture titled “Inquiry based Labs and Project based Learning to Chemical Engineering” on 21<sup>st</sup> December, 2019



*Prof. Claire F. Komives addressing the participants*

### **Faculty Development Programme (FDP) organized**

FDP was organized on “Computational Fluid Dynamics (CFD) and its applications” during 15<sup>th</sup> November 2019 to 20<sup>th</sup> November 2019. Industry professionals from Uniscient Engineering were invited as resource speakers. Over 25 Participants (Faculty & Research Scholars) from different Institutions like University College of Technology - Osmania University, B. V. Raju Institute of Technology – Narsapur - Medak, CSIR-IICT Hyderabad, SNIST - Hyderabad, Manipal University - Karnataka, Singhad University, Pune, NIT Warangal and 17 Participants from different departments of AGI participated in the FDP.



*Resource speakers with the participants of FDP on Computational Fluid Dynamics at AGI, Hyderabad*

### **National Institute of Technology (NIT) Warangal**

- “Know Your Acads” was organized on 31<sup>st</sup> August 2019. The program intended to give an overview of the academics and the environment in the campus, how to prepare for each of the subjects in first year, how the grades of every student are evaluated based on the relative grading system. Around 250 students attended the event.
- On the occasion of Gandhi Jayanti, an online Blog writing and Poster Making competition was conducted so as to raise awareness among the fellow students about the peace and prosperity.
- The interactive session followed by a talk by Prof. D.V.R Murthy was organized on 17<sup>th</sup> October 2019. Program gave an overall view of chemical engineering. Prof. Murthy shared how chemical engineering had evolved through the years and the present scenario.
- Resume Building Workshop was held on 28<sup>th</sup> October 2019.
- With a view of involving everybody to improve the quality of the environment, a Rally was organized in collaboration with Indian Oil Corporation Ltd (IOCL) to promote awareness

regarding energy conservation and sustainability as a part of CONSERVECKA, a week-long convention which is organized to promote energy conservation awareness amongst the masses. Programme started on 2<sup>nd</sup> February 2020.

- MATLAB Workshop was held on 13<sup>th</sup> March 2020. Resource persons were Prof. A.K. Tangirala, IIT Madras and officials from MathWorks Bengaluru.

### ***B.V. Raju Institute of Technology***

- Industrial visit to Ganapati Sugars, Sangareddi was organized on 9<sup>th</sup> January 2020
- Competitions / Programmes such as paper presentation, poster presentation, chem quiz, chem hunt, chem spark and CFD workshop were organized on 30<sup>th</sup> and 31<sup>st</sup> December 2019
- Seminar on Opportunities after Engineering was conducted on 11<sup>th</sup> February 2020
- An invited lecture was organized on Chemical Engineering Abroad by a Faculty from University of New Brunswick, Canada on 20<sup>th</sup> February 2020
- Students were selected for IChE – HRC inter-college competitions through college level competitions organized on 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> February 2020

### ***BITS Pilani – Hyderabad***

IChE membership drive was conducted in February 2020 by student chapter. A brief exposure about IChE and related activities was provided. Students were explained the importance of taking IChE membership. A total of 28 students applied for membership.

### ***Rajiv Gandhi University of Knowledge Technologies, Basar***

A new Student Chapter of IChE has been approved by the IChE National Council at its 2<sup>nd</sup> Meeting held on 29<sup>th</sup> February 2020 at Kolkata under the guidance of Hyderabad Regional Centre of IChE.

## **Annual General Meeting 2018 - 19**

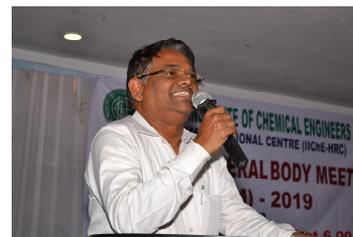
### **60<sup>th</sup> Annual General Meeting (AGM) of the Indian Institute of Chemical Engineers - Hyderabad Regional Centre (IChE - HRC) held on 6<sup>th</sup> July 2019**

60<sup>th</sup> Annual General Meeting (AGM) of the Indian Institute of Chemical Engineers - Hyderabad Regional Centre (IChE - HRC) was held on 6<sup>th</sup> July, 2019 (Saturday) at 6.00 pm at Hotel Blue Orchid, Habsiguda, Hyderabad. About 125 members (including spouses and student award winners) attended the AGM. The programme commenced with the cultural events and the welcome address by Smt. Sheela, Chairperson, IChE-HRC (2018-19). Dr. Sanjay Bhardwaj, Honorary Secretary, IChE – HRC (2018-19) presented the details of activities accomplished

during 2018-19. Mr. M. Mishra, Honorary Treasurer, IChE – HRC (2018-19) presented the audited accounts. Prof. S.V. Satyanarayana, President, IChE National Council; Mr. M. Raja Mahender Reddy, Managing Director, Rhyme Organics & Chemicals Ltd; and Dr. Usha Virendra, Former Chief Scientist and Head, Chemical Engineering Division, Indian Institute of Chemical Technology were felicitated for outstanding contributions towards realizing the vision of IChE –HRC / IChE.

Senior members of IChE expressed their views on the occasion: Mrs. Sheela suggested that efforts should be made towards increasing the awareness about the importance of chemical engineering and possible career opportunities. Prof. S.V. Satyanarayana advised the chapter to conduct more programmes for student chapters as well as to organize industry-relevant programmes. He also mentioned that the chapter should work for enhancing the memberships of IChE. Mr. Raja Mahender Reddy highlighted the emerging opportunities for chemical engineering professionals due to government emphasis on programmes like 'Make in India', 'start-up India'.

Members approved the appointment of same auditor as last year, i.e. M/s. Raghvendra and Associates, for next year also. The elections for the Executive Committee for HRC were conducted.



*Glimpses of the AGM 2018 - 19*

## Homage to Dr. H.L. Roy, founder, IChE

IChE – HRC paid homage to Dr. H.L. Roy, founder, IChE on his birthday anniversary on 2<sup>nd</sup> November 2019 during its Executive Committee meeting.



*IChE – HRC EC members paying homage to Prof. H L Roy, founder, IChE*



*IChE – HRC EC members attending meeting on 2<sup>nd</sup> November 2019*

## Participation in International Conference on Energy and Environment: Challenges and Opportunities for Industries at MNIT Jaipur



*L to R : Prof. Madhu Agarwal, Mr. M. Ranga Rao, Prof. VV Basava Rao, Prof. G.D. Yadav on the dais*

Prof. V.V. Basava Rao, President elect, IChE ; Prof. S.V. Satyanarayana , President, IChE; Mr. M. Ranga Rao , Joint Secretary, IChE and Dr. S. Sridhar , Senior Principal Scientist ,

CSIR-IICT ( from IChE – HRC) participated in the International Conference on Energy and Environment :

Challenges and Opportunities for Industries at Malviya National Institute of Technology (MNIT) Jaipur during December 28-29, 2019. Conference was organized for Dhirubhai Ambani Commemoration Day Celebrations.



*Prof. S.V. Satyanarayana addressing the participants*

## Mr. A. Bhasker Reddy, Past President, IChE presentation to the Parliamentary Standing Committee on Industry



*Mr. Bhasker Reddy interacting with the PSCI*

Mr. A. Bhasker Reddy, Past President, IChE is Vice President, Federation of Telangana Small (MSME) Industries Association (FETSIA) presented a report on issues of industries to the Chairman and Members of the Parliamentary Standing Committee on Industry (PSCI) during their study visit to Hyderabad during 7<sup>th</sup> – 8<sup>th</sup> January 2020



*Mr. K. Keshava Rao, Chairman, PSCI and Mr. A. Bhasker Reddy*

## Awards / recognitions from IChE

### Indian Institute of Chemical Engineers (IChE ) Best Regional Centre Award 2019 for IChE - Hyderabad Regional Centre (IChE – HRC)



*Best Regional Centre Award being conferred to Hyderabad Regional Centre during CHEMCON 2019*

Best Regional Centre (BRC) Award – 2019 (Category “A”) was conferred on the IChE - HRC during 72nd Annual Session of IChE / CHEMCON 2019 Conference held at Indian Institute of Technology (IIT) Delhi during 15th - 19th December 2019.



*Best Regional Centre Trophy*

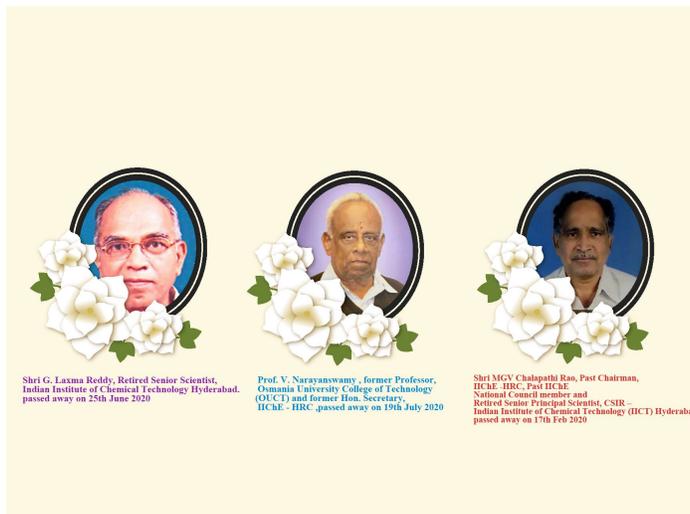
### *Awards conferred on IChE – HRC Members*

- **Herdillia Award for “Excellence in Basic Research in Chemical Engineering”**
  - ✓ Dr. S. Sridhar, CSIR – Indian Institute of Chemical Technology (IICT), Hyderabad
- **The Chemical Weekly Prize for Best Research Paper published in a High Impact Factor International Journal by an Undergraduate Chemical Engineering Student (First and Second Prizes)**
  - ✓ Ms Smita Shivraj Dasari, University College of Technology (UCT), Osmania University (OU), Hyderabad (2<sup>nd</sup> prize)
- **Ambuja’s Young Researcher’s Awards for doing Post-Graduate Studies in India after GATE Examination (Ten Awards)**
  - ✓ Ms Shireesha Pilli, University College of Technology (UCT), Osmania University (OU), Hyderabad
  - ✓ Ms Jella Soumya, UCT, OU, Hyderabad
  - ✓ Mr Botla Madhu, UCT, OU, Hyderabad
- **Ambuja’s Best Home Paper or Design Project Report Awards for an Undergraduate Chemical Engineering Student (Three Awards)**
  - ✓ Ms Bhukya Prema, Osmania University, Hyderabad (3<sup>rd</sup> prize)

## Obituary

IChE – HRC expresses deep condolences on the sad demise of:

- Shri MGV Chalapathi Rao, Past Chairman, IChE -HRC, Past IChE National Council member and Retired Senior Principal Scientist, CSIR – Indian Institute of Chemical Technology (IICT) Hyderabad on 17<sup>th</sup> Feb 2020
- Shri G. Laxma Reddy, Retired Senior Scientist, IICT Hyderabad on 25<sup>th</sup> June 2020
- Prof. V. Narayanswamy, former Professor, Osmania University College of Technology (OUCT) and former Hon. Secretary, IChE - HRC on 19<sup>th</sup> July 2020



**IChE-HRC** received the support of OUCT, AGI, NIT, BVRIT, IICT, ARCI and various industrial organizations such as NFC, Enfab Industries, Clair Engineers Pvt. Ltd., Prathista Industries Limited, HASAN AND SINGH Intellectuals@Law and also from the different educational institutions/ industrial organizations in conducting various programs successfully. We are profusely thankful to Shri S.M. Rao, Past Chairman, IChE – HRC for sponsoring the newly started Scientific Model Making Event as a part of IChE - HRC Annual Inter-College Competitions. We take this opportunity to thank M/s. T. Raghavendra and Associates for auditing the Annual Accounts for the financial year ending on 31<sup>st</sup> March 2020 and also to Sri C. P. Ramulu for his valuable guidance in keeping the Annual Accounts of the IChE – HRC in proper form. I wish to thank our Chairman, Dr. Sanjay Bhardwaj and all our Executive Committee Members for their support. I am thankful to Shri S.M. Rao, Smt. Sheela, Sri M. Ranga Rao, Dr. M. Mukunda Vani, Sri K Ravichand, and Dr. S. Sridhar (IICT) for conducting student competitions and student chapter activities with the help of the student chapter coordinators. Our complete Executive Body would like to put on record, the services of Prof. S. Venkateshwar, Sri A Bhasker Reddy, Sri G. V. Sethuraman, Prof. S. V. Satyanarayana, Prof. V.V. Basava Rao and Dr. K. Sainath - Managing Director - Clair Engineers Pvt Ltd. for their valuable guidance in executing all the programs successfully. With this, I submit this report, together with the audited statement of Accounts, for the approval of esteemed members of the IChE -HRC.

Thank you one and all!

Sd/-

**(M. Misha)**

Hon. Secretary, IChE-HRC

**ఐఐసీహెచ్ఈ జాతీయ అధ్యక్షునిగా బసవరావు**

సవతెలంగాణ-ఓయూ

ఢిల్లీలో జరుగుతున్న 72వ కెమికల్ ఇంజనీరింగ్ కాంగ్రెస్ లో ఓయూ కాలేజ్ ఆఫ్ టెక్నాలజీ కెమికల్ ఇంజనీరింగ్ హెడ్ ఆచార్య వి.వి.బసవరావు ఇండియన్ ఇన్స్టిట్యూట్ కెమికల్ ఇంజనీర్స్ (ఐఐసీహెచ్ఈ) జాతీయ అధ్యక్షునిగా ఎన్నికయ్యారు. ప్రస్తుత టెక్నాలజీ కళాశాల స్వర్ణోత్సవాల సందర్భంగా నిర్వహిస్తున్న “ రీసెంట్ అడ్వాన్స్ ఇన్ కెమికల్ ఇంజనీరింగ్-2020 (రేస్-2020 ) అనే అంశంపై ఆయన అంతర్జాతీయ కాన్ఫరెన్సు కన్వీనర్ గా ఉన్నారు. ఇండియన్ ఇన్స్టిట్యూట్ కెమికల్ ఇంజనీర్స్ జాతీయ అధ్యక్షునిగా ఎన్నికైన సందర్భంగా ఆచార్యులు, విద్యార్థులు అభినందించి సత్కరించారు. ఆయన ఏడాది పాటు ఈ పదవిలో కొనసాగనున్నారు.



అవార్డు స్వీకరిస్తున్న విద్యార్థి

**స్వర్ణోత్సవాల వేళ..**

- ఓయూ విద్యార్థులకు జాతీయ స్థాయిలో అవార్డులు

సవతెలంగాణ-ఓయూ

గుజరాత్ అంకేశ్వర్లో నిర్వహించిన 17వ జాతీయ స్థాయి స్వర్ణోత్సవ కెమికల్ ఇంజనీరింగ్ కాన్ఫరెన్స్ లో భార్య ప్రేమజీ జాతీయ స్థాయి అంబాస్ అర్షి ప్రతిష్టె అవార్డుతో పాటు ఏడు వేల రూపాయల సగదు బహుమతి పొందింది. 16 నుంచి 19వ వరకు ఐఐటీ ఢిల్లీలో జరుగుతున్న 72వ కెమికల్ ఇంజనీరింగ్ టెక్నాలజీ కళాశాల విద్యార్థులు ఏడవ విభాగాల్లో ఉత్తమ ప్రదర్శన కనబరిచినందుకు నాలుగు అవార్డులు కైవసం చేసుకున్నారు. ఈ సందర్భం కేంద్ర పెట్రోలియం శాఖ మంత్రి ధర్మేంద్ర ప్రధాన్ ముఖ్య అతిథిగా హాజరయ్యారు. జాతీయస్థాయిలో అత్యుత్తమ వరకొన కొనసాగిస్తున్న కీరమ్ బి మయ, జిర్జ సౌమ్యర్ విద్యార్థులు జాతీయ స్థాయిలో అంబాస్ యింగ్ రీసెర్చ్ అవార్డుతో పాటు మదీం రూపాయల సగదును గెలుచుకున్నారు. టీబిక్ విద్యార్థి స్వీతి శివరాజ్ రాసరి కెమికల్ టీకీ ప్రైవేట్ పాటు ఐదు వేల రూపాయల సగదు బహుమతిని పొందారు. ఈ సందర్భంగా హెడ్ డిపార్ట్ మెంట్ అఫ్ కెమికల్ ఇంజనీరింగ్ ఆచార్య వి.వి. బసవ రావు, కళాశాల ప్రెసిడెంట్ ఆచార్య అర్ శ్యామ్ సుందర్, అధ్యాపకులు, విద్యార్థులు హార్షం వ్యక్తం చేశారు.


Thu, 19 December 2019
  
[epaper.navatelangana.com/c/47018974](http://epaper.navatelangana.com/c/47018974)


Wed, 18 December
  
[epaper.navatelangana.com/c/47018974](http://epaper.navatelangana.com/c/47018974)



**Seminar on digital industrial technologies**  
HYDERABAD  
The Indian Institute of Chemical Engineers - Hyderabad Regional Centre conducted a seminar 'Industry 4.0'. Participants deliberated on integrating digital industrial technologies with existing organisational processes to create a smart and agile system. It was held in association with QLeap Academy, Pune, and IIT Bombay Alumni Association - Hyderabad chapter with the support of Hasan and Singh Intellectuals@Law, Hyderabad.

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# 4 TELANGANA

**IN BRIEF**



**Award for IICHe regional centre**  
HYDERABAD  
Indian Institute of Chemical Engineers (IICHe) Best Regional Centre Award was conferred on the Hyderabad Regional Centre. The award was presented during the conference of the Indian Chemical Engineering Congress, which was held in IIT, New Delhi, from Dec. 15 to 19. The Hyderabad Regional Centre of the IICHe is continuously working for the professional enrichment of its members through innovative endeavours, informed a press release here on Wednesday.

## 'Empov

Finance Minister m

**SPECIAL CORRESPONDENT HYDERABAD**

Telangana Finance Minister T. Harish Rao has said that the current slowdown has made it imperative for the Centre to empower States in terms of both financial resources and autonomy as the States are drivers of economic activity.

He spoke at the pre-budget meeting convened by Union Finance Minister Nirmala Sitaraman with Finance Ministers of States in New Delhi on Wednesday and made several suggestions for kick starting the growth momentum.

**Tax amnesty**  
One of the suggestions was -- 'tax amnesty' to flush out



# శాస్త్రం, ఆధ్యాత్మికత విడదీయరానివి



**మాట్లాడుతున్న విముక్త చైతన్య**  
**సవతెలంగాణ-ఓయా**  
 శాస్త్రం, ఆధ్యాత్మికత విడదీయరానివి చిన్నయ మిషన్ స్వామి విముక్త చైతన్య అన్నారు. బెక్కాలజీ

## • చిన్నయ స్వామి విముక్త చైతన్య

కళాశాలలో యూనివర్సిటీ కాలేజ్ ఆఫ్ టెక్నాలజీ, ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ్ కెమికల్ ఇంజనీర్స్ హైదరాబాద్ రీజినల్ సెంటర్ సంయుక్త ఆధ్వర్యంలో నిర్వహించిన 'సైన్స్ ఆండ్ స్పిరిట్యులిటీ' కార్యక్రమానికి ఆయన హాజరై మాట్లాడారు. మనిషి ఆలోచనలే అతని ఆచరణగా మారతాయన్నారు. మంచి ఆలోచనలు మనిషిని ఉత్తమ మార్గం వైపు తీసుకెళ్తే, చెడు ఆలోచనలు దుర్మార్గాలందరి మళ్లీస్తాయన్నారు. ప్రపంచంలోని గొప్ప వస్తువులందరి విజయానికి కారణం వారి ఆలోచనలే అన్నారు. ఈ సృష్టిలో ఎవరూ శాశ్వతం కాదని ఉన్నన్ని రోజులు ఇతరులకు సాయ పడాలని సూచించారు. ఈ

కార్యక్రమంలో కళాశాల ప్రొఫెసర్ ఆర్ శ్యామ్ సుందర్, ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ్ కెమికల్ ఇంజనీర్స్ ఊతీయ ఆధ్వర్యం, కెమికల్ ఇంజనీరింగ్ విభాగాధిపతి ప్రొఫెసర్ వీవీ బసవరావు, వైస్ చీఫ్ ప్రొఫెసర్ ఆచార్య వి రమేష్ కుమార్, ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ్ కెమికల్ ఇంజనీర్స్ హైదరాబాద్ రీజినల్ సెంటర్ ఆధ్వర్యం డాక్టర్ సంజయ్ భరద్వాజ్, బెనెనెచాన్ మాజీ ఆధ్యక్షులు జీవీ సేతు రామన్, ఇన్స్టిట్యూట్ ఆఫ్ కెమికల్ ఇంజనీర్స్ హైదరాబాద్ రీజినల్ సెంటర్ జాయింట్ సెక్రటరీ ఎస్. బలయ్య, బి పరమేశ్వర్, డాక్టర్ రమేష్, పి సునిత, టి జ్యోతి, డాక్టర్ సమీ, విజయలక్ష్మి, ఆఫీల్యాష్, టి అజిత్ కుమార్, డి కోదండ రాంకెట్టి, ఆర్ రేణు, శ్రీ యాదగిరి, కళాశాల అధ్యాపకులు, అలామీని ప్రతినిధులు, విద్యార్థులు, ఉద్యోగులు పాల్గొన్నారు.



# నూతన ఆవిష్కరణలతో సమాజాభివృద్ధి



జ్యోతి వెలిగించి సదస్సును ప్రారంభిస్తున్న ఎన్ఎస్ఐవీ రామకుమార్

## 'పరిశోధన ఫలాలు సామాన్యులకు చేరాలి'

ఉస్మానియా యూనివర్సిటీ: అన్నిరంగాల్లో జరిగి పరిశోధన ఫలాలు సామాన్యులకు చేరాలని, అప్పుడే వాటికి సాధ్యకత ఉంటుందని ఇండియన్ ఆయిల్ కార్పొరేషన్ లిమిటెడ్ (ఇవోసీఎల్) ఆర్ అండ్ డి డైరెక్టర్ డాక్టర్ ఎన్ఎస్ఐవీ రామకుమార్ అన్నారు. పరిశోధన ద్వారా సామాన్యులకు అవసరమైన ఉత్పత్తులను తక్కువ ధరకు అందించేందుకు కృషి చేయాలని సూచించారు. ఓయూ టెక్నాలజీ కళాశాల కెమికల్ ఇంజనీరింగ్ విభాగంలో 'రిసెంట్ అడ్వాన్స్ ఇన్ కెమికల్ ఇంజనీరింగ్ (రేసీ)-2020'పై రెండు రోజుల అంతర్జాతీయ సదస్సు నిర్వహిస్తున్నారు. ఇండియన్ ఇన్స్టిట్యూట్ ఆఫ్ కెమికల్ ఇంజనీరింగ్-హైదరాబాద్ రీజనల్ సెంటర్ సహకారంతో కళాశాల ఆడిటోరియంలో నిర్వహిస్తున్న ఈ సదస్సు ప్రారంభోత్సవానికి డాక్టర్ ఎన్ఎస్ఐవీ రామకుమార్ హాజరయ్యారు. ఈ సందర్భంగా మాట్లాడుతూ కెమికల్ ఇంజనీరింగ్ పరిశోధనలపై దృష్టి సారించాలన్నారు. టూత్ పేస్ట్, బ్రష్ మొదలైన క్యాష్ వసర వస్తువులు ఆస్పి కెమికల్ ఇంజనీర్లు తయారుచేసిన వేసవి గుర్తు చేశారు. కెమికల్ ఇంజనీరింగ్ పూర్తి చేసిన విద్యార్థులు ఉద్యోగాల వైపు కాకుండా నూతన పరిశ్రమలను ప్రారంభించేందుకు కృషి చేయాలని పిలుపునిచ్చారు. కార్యక్రమంలో భువనేశ్వర్లోని సీఎస్ఐఆర్-ఐఎంఎంటీ డైరెక్టర్ ప్రొఫెసర్ సుధాకర్ బసు, కళాశాల ప్రెసిపాల్ ప్రొఫెసర్ శ్యాంసుందర్, వైస్ చీఫ్ ప్రొఫెసర్ ప్రొఫెసర్ రమేష్ కుమార్, సదస్సు కోసిన ప్రొఫెసర్ పీపీ బసరావు, కోకనీస్ వద్ద డాక్టర్ సంజయ్ భర్దవాజీ, బలయ్య, కళాశాల గవర్నర్ బోర్డు చైర్మన్ సత్యపాల్, ప్రొఫెసర్ హయవదన, కవితాపాఠ్, రవీంద్రనాథ్, శ్రీమ నాయక్, రాజం తదితరులతోపాటు ఐబీ, ఎస్ఐటీ వంటి ప్రతిష్టాత్మక సంస్థల నుంచి రిసార్చ్ పర్సన్లు, ప్రతినిధులు పాల్గొన్నారు.



ప్రజాపక్ష/ఉస్మానియా యూనివర్సిటీ: సృజనాత్మకతతో కూడిన నూతన ఆవిష్కరణలతో సమాజాభివృద్ధి సాధ్యపడుతోందని ఇండియన్ ఆయిల్ కార్పొరేషన్ లిమిటెడ్ బోర్డు సభ్యులు డా.ఎన్ఎస్ఐవీ రామకుమార్ పేర్కొన్నారు. ఉస్మానియా యూనివర్సిటీ ఇంజనీరింగ్ డిపార్ట్మెంట్ ఆధ్వర్యంలో రిసెంట్ అడ్వాన్స్ ఇన్ కెమికల్ ఇంజనీరింగ్ అను అంశంలో టెక్నాలజీ కళాశాలలో రెండు రోజులు అంతర్జాతీయ సదస్సు నిర్వహించారు. బుధవారం నాటి ప్రారంభ సదస్సుకు ముఖ్యఅతిథిగా హాజరైన డా.ఎన్ఎస్ఐవీ రామకుమార్ మాట్లాడారు. కెమికల్ ఇంజనీరింగ్ రంగంలో నూతన ఆవిష్కరణలతో దేశ ప్రజలకు ఎంతో ఉపయోగమేకాకుండా తక్కువ ధరలకు ఆ ఉత్పత్తులను అందించవచ్చున్నారు. కెమికల్ ఇంజనీరింగ్ టెక్నాలజీతోనే నేడు నిత్యం ప్రజలు ఉపయోగిస్తున్న అనేక వస్తువులు తయారవుతున్నాయని వివరించారు. కెమికల్ ఇంజనీరింగ్ కోర్సు పూర్తి చేసిన విద్యార్థులు ఉద్యోగాల కోసం ప్రయత్నించకుండా పరిశ్రమలు స్థాపించేందుకు ముందుకు రావాలని కోరారు. గౌరవ అతిథిగా హాజరైన ఐస్ఐఎస్ఐఆర్ ఐఎంఎంటీ డైరెక్టర్ ప్రొ.సుధాస్తవ బసు మాట్లాడుతూ.. కెమికల్ ఇంజనీరింగ్ రంగంలో ఇటీవల వచ్చిన మార్పులను గురించి వివరిస్తూ దేశాన్ని ఆర్థికంగా ముందుకు తీసుకెళ్లకుపోవడంతో ఈ రంగం పాత్ర ఎంతో ఉందన్నారు. సదస్సు కోసిన ప్రొ.వివి బసరావు మాట్లాడుతూ.. సదస్సు ఉద్దేశ్యాలను లక్ష్యాలను గురించి వివరించారు. ఈ కార్యక్రమంలో ఓయూ టెక్నాలజీ కళాశాల ప్రెసిపాల్ ప్రొ.ఆర్ శ్యాంసుందర్, వైస్ చీఫ్ ప్రెసిపాల్ ప్రొ.రమేష్ కుమార్, సదస్సు కో కోసిన ప్రొ.ఎస్.సంజయ్ భర్దవాజీ, ఎస్ బలయ్య, దేశ విదేశాల నుంచి వచ్చిన 152 మంది ప్రతినిధులు పాల్గొన్నారు.

epaper.ntnews.com  
Thu, 09 January 2020  
<https://epaper.ntnews.com/c/47806319>

## నూతన ఆవిష్కరణలతో ప్రజలకు ఉపయోగం



మన తెలంగాణ / ఉస్మానియా యూనివర్సిటీ: కెమికల్ ఇంజనీరింగ్ రంగంలో నూతన ఆవిష్కరణలు చేయడం వల్ల దేశ ప్రజలకు ఎంతో ఉపయోగమేకాకుండా తక్కువ ధరలకు ఆ ఉత్పత్తులను అందించవచ్చని ఇండియన్ ఆయిల్ కార్పొరేషన్ లిమిటెడ్ బోర్డు మెంబర్ డా.ఎన్ఎస్ఐవీ రామకుమార్ పేర్కొన్నారు. ఓయూ కెమికల్ ఇంజనీరింగ్ డిపార్ట్మెంట్ ఆధ్వర్యంలో 'రిసెంట్ అడ్వాన్స్ ఇన్ కెమికల్ ఇంజనీరింగ్..2020' అనే అంశంలో టెక్నాలజీ కళాశాలలో రెండు రోజుల అంతర్జాతీయ సదస్సును నిర్వహిస్తున్నారు. బుధవారం ప్రారంభ

సదస్సుకు హాజరైన డా.ఎన్ఎస్ఐవీ రామకుమార్ మాట్లాడుతూ కెమికల్ ఇంజనీరింగ్ టెక్నాలజీతోనే నేడు నిత్యం ప్రజలు ఉపయోగిస్తున్న అనేక వస్తువులు తయారవుతున్నాయని వివరించారు. కెమికల్ ఇంజనీరింగ్ కోర్సు పూర్తి చేసిన విద్యార్థులు ఉద్యోగాల కోసం ప్రయత్నించకుండా పరిశ్రమలు స్థాపించేందుకు ముందుకు రావాలని కోరారు. నిబంధనల అనుకూలంగా డైరెక్టర్ ప్రొఫెసర్ సుధాస్తవ బసు మాట్లాడుతూ కెమికల్ ఇంజనీరింగ్ రంగంలో ఇటీవల వచ్చిన మార్పులను గురించి వివరిస్తూ దేశాన్ని ఆర్థికంగా ముందుకు తీసుకెళ్లకుపోవడంతో ఈ రంగం పాత్ర ఎంతో ఉందన్నారు. సదస్సు కోసిన ప్రొఫెసర్ పీపీ బసరావు మాట్లాడుతూ సదస్సు ఉద్దేశ్యాలను, లక్ష్యాలను గురించి వివరించారు. ఈ కార్యక్రమంలో ఓయూ టెక్నాలజీ కళాశాల ప్రెసిపాల్ ప్రొ.ఆర్ శ్యాంసుందర్, వైస్ చీఫ్ ప్రెసిపాల్ ప్రొ.రమేష్ కుమార్, సదస్సు కో కోసిన ప్రొ.ఎస్.సంజయ్ భర్దవాజీ, ఎస్ బలయ్య, దేశ విదేశాల నుంచి వచ్చిన 152 మంది ప్రతినిధులు పాల్గొన్నారు.

మన హైదరాబాద్ Thu, 09 January 2020  
<https://epaper.manateLangana.news/c/47796191>



were conducted on each day.  
On Sunday, a total of  
36,282 tests were conducted  
and 1,842 cases were detect-  
ed indicating that the drop in  
the coronavirus-positive  
samples are related to num-

A health worker c  
at a PHC in Bagh  
ber of tests perfo  
Six more CO  
tients died on S  
toll reached 761.

## M.P. Chary memorial lecture held

**SPECIAL CORRESPONDENT  
HYDERABAD**

The Centre of Indian Insti-  
tute of Chemical Engineers  
of Hyderabad Regional  
(IIChe-HRC) recently or-  
ganised the 13th M.P. Chary  
memorial lecture, which  
was delivered by Sanjeev  
Katti, Director General,  
ONGC Energy Centre. He  
spoke on 'Green energy,  
clean energy - challenges  
and opportunities'.

IIChe-HRC was the reci-  
pient of IIChe Best Region-  
al Centre Award in 2019.

## Testin

District ad

**SPECIAL CORRES  
HYDERABAD**

The Nizamabad  
ministration ha  
COVID-19 testi  
enabling it to co  
tests on a daily l

The tests are  
ducted at all pri  
care centres  
primary heal  
spread across th  
50 tests per c  
day. Medical o  
evolved plans t  
nerable people  
ing; ASHA w  
ANMs have be

## Doctors, medic

Various associations raise requ

## Engineers' meeting held

**SPECIAL CORRESPONDENT  
HYDERABAD**

The annual general meet-  
ing of the Indian Institute  
of Chemical Engineers -  
Hyderabad Regional  
Centre (IIChe-HRC) was  
held recently through the  
online mode.

Sanjay Bhardwaj,  
chairman, IIChe-HRC,  
spoke about the possible  
avenues of cooperation  
between stakeholders re-  
levant to the chemical  
sector.

M. Misra, secretary,  
and D.N. Singh, treasurer,  
presented the activities  
and annual accounts.

M. Ranga Rao, chair,  
and M. Mukunda Vani,  
co-chair of student chap-  
ters, announced the win-  
ners of competitions.