



INDIAN INSTITUTE OF CHEMICAL ENGINEERS
HYDERABAD REGIONAL CENTRE
(IICe - HRC)

ANNUAL REPORT
2021 - 2022

**ANNUAL REPORT: 2021 – 2022**2nd July 2022

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 to extend a warm and hearty welcome to you all and your family members to this 63rd Annual General Meeting (AGM) of Hyderabad Regional Centre. It is my privilege to place the Annual Report 2021 - 2022 before you. I hope this report copy is with you. Last AGM-2021 was held on 28th August 2021 through a digital platform due to COVID 19 pandemic. Nearly 80 members (including student award winners and their families) attended the AGM. The following is the list of office bearers, Members, Co-opted Members of the Executive Committee (EC) of IICChE-HRC and Permanent Invitees for the year 2021 - 2022.

<u>OFFICE BEARERS</u> Dr. Sanjay Bhardwaj Chairman, IICChE - HRC Prof. P. Shashikala Vice-Chairman, IICChE - HRC Dr. V. Pavan Kumar Vice-Chairman, IICChE - HRC Dr. S. Ilaiyah Hon. Regional Secretary, IICChE - HRC Ms. D. Shruthikeerthi Hon. Regional Jt. Secretary, IICChE - HRC Dr. M Mukunda Vani Hon. Regional Treasurer , IICChE - HRC	<u>EC MEMBERS</u> Dr. Vineet Aniya Dr. Alka Kumari Ms. M. Shireesha <u>CO-OPTED EC MEMBERS</u> Smt. Sheela Former Chairperson IICChE - HRC Dr. S. Altaf Hussain Dr. Ravi Chandra Palaparathi	<u>PERMANENT INVITEES</u> Sri G. V. Sethuraman, Former President - IICChE Sri A. Bhasker Reddy, Former President - IICChE Prof. S. Venkateshwar, Former President - IICChE Prof. V. V. Basava Rao, Former President – IICChE Prof. S.V. Satyanarayana, Former President - IICChE Sri. S.M. Rao, Former Chairman, IICChE - HRC Prof. S.S. Sridharan, Former Chairman, IICChE - HRC Prof. R. Shyamsunder, Former Chairman, IICChE - HRC Dr. Vijay Kale, Former Chairman, IICChE – HRC Sri. C. P. Ramulu Immediate Former Vice Chairman, IICChE - HRC Sri. M. Misra Immediate Former Hon. Regional Secretary, IICChE – HRC Sri. D. N. Singh Immediate Former Hon. Regional Treasurer, IICChE - HRC <u>STUDENT CHAPTER COORDINATORS</u> Dr. S. Ilaiyah (UCT,OU) Dr. K. Prasad Babu (CBIT) Dr. K.S. Rajmohan (NITW) Dr. Dilip Kumar Bahera (JNTUACE) Dr. K.S.N.V. Prasad (BVRIT) Dr. Iyman Abrar (BITSP, HYD) Dr. M. Mukunda Vani (Anurag University) Sri Dipankar Das (JNTUH) Sri Srikanth Kutla (RGUKT, Basar)
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A. Activities during the year 2021-22 at IChE - HRC

With the cooperation and support of all EC members and permanent invitees during this period, 10 Executive Committee meetings have been held and the following activities were carried out in 2021-22.

Conference / Workshop / Seminars / Lectures Organized

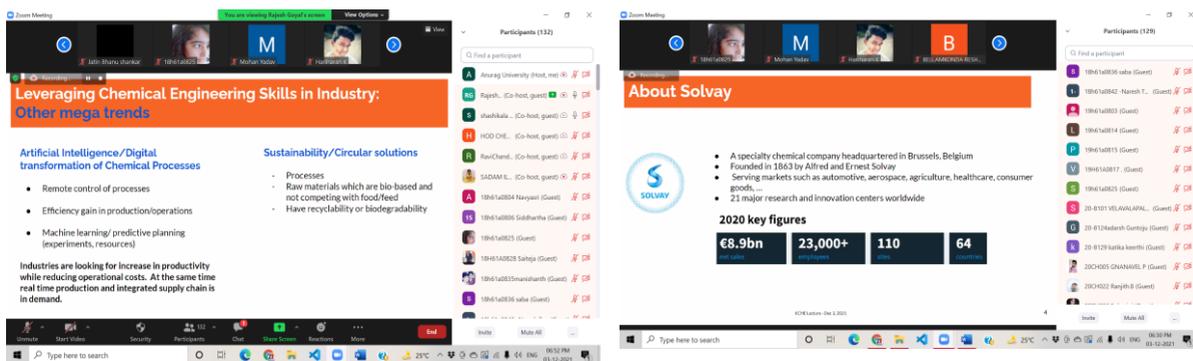
IChE – HRC organized / facilitated several programs **to boost academia –industry – R & D connect , thereby bridge gap between stakeholders of chemical sector. To celebrate Platinum Jubilee (75th) Year of Indian Institute of Chemical Engineers (IChE), IChE-HRC took the initiative of starting a lecture series and has plans to involve all the student chapters in organizing the lecture series.** Purpose of IChE – HRC programs was to expose chemical engineering students to industry practitioners, keep them motivated towards acquisition of required skills and knowledge, and provide them learning opportunities. These programs had enthusiastic participation of chemical engineering students from several IChE Regional Centres (including students of 9 engineering colleges associated with IChE – HRC). Participation from all over the country was possible since programs were conducted in online / hybrid mode. The success of the IChE – HRC Lecture Series was made possible largely due to the significant effort put in by the distinguished speakers in delivering comprehensive lectures followed by interesting interactive sessions. Speakers (from Multinational Companies, Indian reputed companies and awarded start-ups) inspired the participants, mainly students, by sharing their vision and insights.

To accelerate efforts in the direction of academia –industry – R & D connect, following committee has been constituted : Dr. Sanjay Bhardwaj {Chairman, IChE – HRC}, Dr. Ravi Chandra Palaparathi {Convener, Academia –Industry – R & D Interaction, IChE – HRC}, Dr. M. Mukunda Vani {Convener, IChE –HRC Student Chapters}, and Dr. S. Ilaiyah {Hon. Regional Secretary, IChE – HRC}. Dr. Rajesh Goyal {Patent Intelligence Manager, Solvay} and Dr. Alan Ranjit Jacob {Assistant Professor, Chemical Engineering Department, Indian Institute of Technology (IIT) Hyderabad} have agreed to support the IChE –HRC’s initiative of academia –industry – R & D connect.

IChE-HRC organized 6 lectures in newly initiated IChE – HRC Lecture series:

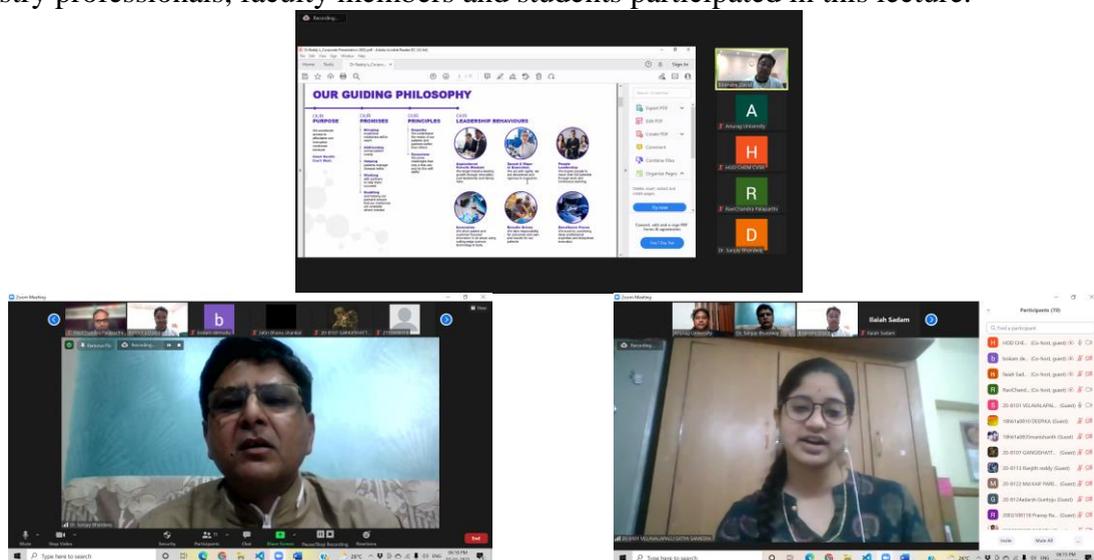
1. Lecture I of IChE – HRC Lecture Series

Indian Institute of Chemical Engineers – Hyderabad Regional Centre (IChE-HRC) organized Lecture I in association with Student Chapter, Department of Chemical Engineering, Anurag University. Lecture was delivered by **Dr. Rajesh Goyal, Patent Intelligence Manager at Solvay on 3rd December 2021** on the topic **“Chemical Engineering in the Industry – Spectrum of Opportunities”**.



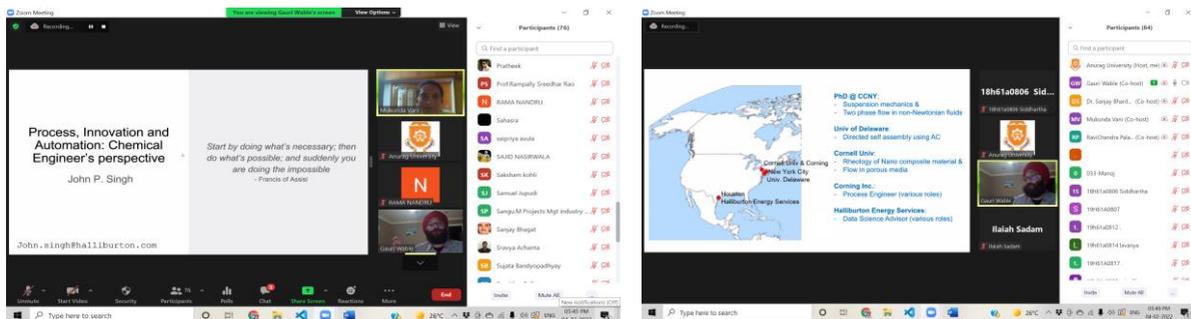
2. Lecture II of IChE – HRC Lecture Series

As a part of the lecture series, IChE-HRC in association with Student Chapter, Department of Chemical Engineering, Anurag University organized Lecture II on the topic **“How Chemical Engineers are Redefining the Product Development (Pharmaceutical Space)”** by **Mr. Birendra David, Delivery Manager-Inhalation and Director - Process Engineering Formulations at Dr. Reddy's Laboratories Ltd.** on **7th January 2022**. 110 persons including industry professionals, faculty members and students participated in this lecture.



3. Lecture III of IChE – HRC Lecture Series

As a part of the lecture series, IChE-HRC in association with Student Chapter, Department of Chemical Engineering, Anurag University organized Lecture III on the topic **“Process, Innovation and Automation: A Chemical Engineer’s Perspective”** by **Dr. John P. Singh, Data Advisor, Halliburton, USA** on **4th February 2022**. 110 persons (including professionals, faculty members and students) participated in this lecture. Speaker focused on the innovation and automation, and role of chemical engineers in the cement industry.



4. Lecture IV of IChE – HRC Lecture Series

IChE-HRC in association with BITS Pilani, Hyderabad campus organized lecture IV of IChE – HRC Lecture Series titled **“Simulation Driven Product Development: Chemical Engineering Perspective”** by **Ms. Sujata Bandopadhyaya, Sr. National Manager, ANSYS Inc.** on **4th March, 2022**. Lecture was attended by nearly 75 persons including industry professionals, faculty members and students.

5. Lecture V of IChE – HRC Lecture Series

Lecture V of IChE – HRC Lecture Series was organized jointly by IChE-HRC and Jawaharlal Nehru Technological University (JNTU) Hyderabad - University College of Engineering’s Student Chapter through virtual mode on **6th May, 2022**. Lecture entitled **“Journey of Chemical Engineer”** was delivered by **Dr Makarand Pimplapure, Founder and Managing Director, MakSpeed Technologies, Pune**. Nearly 70 participants attended the meeting.

6. Lecture VI of IChE – HRC Lecture Series

Lecture VI of IChE – HRC Lecture Series was organized jointly by IChE - HRC and JNTU College of Engineering Anantapur on **3rd June 2022**. **Dr. Dhananjaya Dendukri, Co-founder & Chief Executive officer of Achira Labs** delivered a lecture titled **“Diagnostic Testing in a Post-COVID World Enabled by Microfluidic Technologies”**.

Lecture on “Learn to Reverse Chronic Diseases Naturally”

IChE-HRC in association with East Maredpally Resident Welfare Association, organized a lecture titled **“Learn to Reverse Chronic Diseases Naturally”** delivered by **Mr. Lalit M Kapoor, A Silicon Valley entrepreneur-turned -nutritionist** on **3rd April 2022**. Around 300 Participants attended the session.

15th M. P. Chary Memorial Lecture

15th M.P. Chary Memorial Lecture was organized by Indian Institute of Chemical Engineers - Hyderabad Regional Centre (IChE – HRC) in association with the Department of Chemical Engineering, University College of Technology, Osmania University (UCT, OU) on **25th June**

2022. The Program started with the welcome address of Dr. Sanjay Bhardwaj, Chairman, IICChE - HRC. He emphasized the need of required exposure to students keeping in view the adoption of emerging technologies by industry. The chief guest for the event was Principal - UCT, OU and Senior Professor Chinta Sailu, who highlighted the relevance of digitalisation, artificial intelligence (AI) and machine learning (ML) in the present scenario. Head, Department of Chemical Engineering, UCT - OU, and Senior Prof. V. Ramesh Kumar spoke on the potential role of artificial intelligence for chemical sector in the coming days. Chief Executive Officer of Coempt Eduteck Private Limited (a M. P. Chary Group company) Mr. VSN Raju mentioned about the activities of the group companies. Afterwards, **IIT Bombay Dean (Alumni and Corporate Relations), Professor of Chemical Engineering Prof. Ravindra Gudi, delivered 15th M.P. Chary Memorial Lecture on "Exciting Opportunities in Digitalization, AI and ML"**. His talk covered concepts and case studies related to the application of digitalisation, AI and ML in the chemical industry.

The event convenor was Dr.Sanjay Bhardwaj, Chairman, IICChE-HRC and Dr. S. Ilaiyah, Hon. Regional Secretary IICChE-HRC was the Co-convenor of the event. The event was attended by 200 students, scientists, and faculty members from various colleges. Nearly 100 people joined through the online link. Participants included Prof. P. Sashikala (Vice Chairperson, IICChE – HRC) , Dr. V. Pavan Kumar (Vice Chairperson, IICChE –HRC), Dr. M. Mukunda Vani (Hon. Regional Treasurer, IICChE –HRC), Dr. S. Altaf Hussain (Director, Institute of Engineering and Technology and EC Member, IICChE – HRC), Smt. Sheila (Former Chairperson, IICChE –HRC), Mr. C. P. Ramulu (Former Vice Chairperson, IICChE –HRC), Mr. N. Chandrasekhar (Retired senior industry professional), Dr. Sumana (Scientist, CSIR - Indian Institute of Chemical Technology), and faculty members from several engineering colleges associated with IICChE – HRC including Dr. T. Jyothi, Dr. P. Sunitha, Mr. Ajit, Ms. Vijaya laxmi, Dr. K.S. N.V. Prasad, Ms. Sk. Shaheda. Several student volunteers contributed in managing the programme.



Flyer of 15th M.P.Chary Memorial Lecture



Welcome address by Dr. Sanjay Bhardwaj



Prof. Ravindra Gudi delivering 15th M.P. Chary Memorial Lecture

Later, **Senior Prof. V.V. Basava Rao**, former National President, Indian Institute of Chemical Engineers, spoke on the topic titled **“Green Hydrogen Production: Challenges and Opportunities”**. **Dr. S. Sridhar, Chief Scientist & Professor**, delivered a lecture titled **“Combating Covid-19 and Water Scarcity through Innovation in Chemical Engineering”**. Thereafter, competitions were conducted for students in Scientific model making, technical quiz, essay and elocution. The event was attended by more than 120 students, Professors, scientists and industry professionals from various organizations.



Chief Guest Senior Prof. Ch.Sailu addressing RICE-2022



Lecture on Combating Covid-19 and water Scarcity through innovation in Chemical Engineering by Dr.S.Sridhar, Chief Scientist & Professor, CSIR-IICT



Lecture on Green Hydrogen Production: Challenges and Opportunities by Senior. Prof.V.V.Basava Rao, Former President, IChE

IChE – HRC’s Essay writing competitions were held for **14 participants** selected by student chapters. The topic for Essay writing was **“Entrepreneurship in Chemical Sector: Opportunities and Challenges”**. **Elocution competitions** were held for **16 participants** selected by IChE-HRC student chapters and the topic for Elocution was: **“Role of Chemical Engineers in Sustainable Development”**. **Technical quiz competitions** were held for **21 participants**. **Scientific model-making** competitions were held for **12 participants** selected by student chapters.

Judges for the IChE-HRC Inter- College Competitions were Dr. Sanjay Bhardwaj (Chairman, IChE –HRC), Smt. Sheela (former Chairperson, IChE –HRC), Prof. P. Shashikala (Vice Chairperson, IChE – HRC), Sri S. Sairam (Dy. Chief Executive, Department of Atomic Energy - Nuclear Fuel Complex), Sri.C.Shankar and Sri.N.Chandra Shekher, both senior industry professionals (retired). Technical Quiz coordinated by Dr. S. Ilaiyah, Hon. Regional Secretary IChE-HRC and Dr. B. Parameswarlu, faculty member of UCT, OU.

Valedictory session was conducted. Dr.S Ilaiyah and addressed by Prof. Ch. Sailu, Dr. Sanjay Bhardwaj, Sri. C. P. Ramulu, Sri. C. Shankar, Sri. N. Chandra Shekhar. Dr. P. Sunita, Dr. B. Parameswarlu, Dr.P. Sridurga, Vijaya Lakshmi, Dr. B. Narayana, Dr. T. Venkateswarlu, Ms. Madhuvarshita, Ms. Anusha, Mr. Mozamil, Mr. Anaz, Dr. K.S.N.V. Prasad, Dr. K. Prasad Babu, Ms. Sirisha, Professors and students from various colleges also participated in the Valedictory session.



Essay Writing



Elocution



Technical Quiz



Model Making
Judges: Smt. Sheela, Deputy Chief
Executive NFC and Prof. P.
Shashikala



Dr. Sanjay Bhardwaj
Addressing
Valedictory session



Media coverage

Padmasri B V Raju Best Student Award List 2022

1. YARAM SAI DEEPIKA REDDY (UCT,OU)
2. B SREE HARSHA (NITW)
3. CHENNURI SRILEKHA (JNTUH)
4. MAKAM NAGA SRAVANI (JNTUA)
5. BHUSHAN GOKLANI (CBIT)
6. ABHIRAM SUBRAMANIAN (ANURAG UNIVERSITY)
7. THANDA GANESH (RGUKT- Basar)
8. UTKARSH UPADHYAY (BITS-P HYDERABAD)
9. SAKHAMUDI SAI NARENDER (BVRIT)

Winners list for Inter-College competitions 2022

S.No	Competition Name	Winner type	Student Name with Hall Ticket number	Name of the College	Year
1	Essay Writing	I	Shruthi Pillariseti	UCT,OU	III
2		II	Cheema Nikhil Teja	JNTUH	IV
3		III	Bhushan. G	CBIT	III
4	Elocution	I	Srishti Sridhar	Anurag University	IV
5		II	Meenakshi K.S.V.L	JNTUH	III
6		III	Mutyala Madhuvarshita	UCT,OU	
7		III	Aluri Ganesh Sai	UCT,OU	
8	Technical Quiz	I	Bhushan G.	CBIT	
9		I	D. Aravind		
10		I	T. Pranay Kumar		
11		II	Aluri Ganesh Sai	UCT,OU	
12		II	Vanaparathi Karun Kumar		
13		II	Kondawar Vineetha		
14		III	Achanta Sravya	JNTUH	IV
15		III	Abhishek Dutta		IV
16		III	Cheema Nikhil Teja		IV
17	Scientific Model making	I	P Sandeep Reddy	BVRIT	III
			N Laxmi Prasanna		
			G Shiva Kumar		
18		II	Gangishatty Likith	Anurag University	II
			Aradhyula Jatin Bhanu Shankar		
			Poda Sarath		

B. ACTIVITIES AT STUDENT CHAPTERS ASSOCIATED WITH IChE - HRC



Dr. S. Ilaiyah (UCT, OU) receiving Certificate

Student Chapters associated with IChE – HRC conducted several activities in this year. During IChE-HRC AGM 2022, **Student chapter coordinators** of 9 associated Engineering Colleges (UCT-OU, JNTU HYDERABAD, NIT WARANGAL, ANURAG UNIVERSITY, BITS PILANI HYDERABAD CAMPUS, CBIT,



Dr. M. Mukunda Vani (Anurag Univ) receiving Certificate

JNTU ANANTAPUR, BVRIT, and RGUKT – BASAR) were presented **Certificates of**



Sri Dipankar Das (JNTUH) receiving Certificate



Dr. K. Prasad Babu (CBIT) receiving Certificate



Sri. Srikanth Kutla receiving Certificate

Appreciation for their outstanding contributions to their respective student chapters.

UNIVERSITY COLLEGE OF TECHNOLOGY, OSMANIA UNIVERSITY (UCT, OU) STUDENT CHAPTER

1. Research Development & Innovation Cell, University College of Technology, Osmania University (UCT, OU) in association with IChE-HRC, organized a **National Conference on Emerging and Adaptable Technologies in Process Industries** on 14th and 15th December 2021.



Emerging and Adaptable Technologies in Process Industries

4. **IChE-HRC's UCT, OU Student Chapter** conducted **college-level competitions** in Essay writing, Elocution, Quiz and scientific model making on **28th April 2022**.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD (JNTUH) STUDENT CHAPTER

1. Annual National level Technical symposium “**GENOS 2022**” was conducted during **April 12-13, 2022** by IChE - HRC in association with JNTU Hyderabad Student Chapter with various competitive events for students, expert lecture by Dr S.Sridhar from IICT with a focus on “**Membrane Technology, Water Conservation - Present and Future**” and concluded with Valedictory session attended by Honorary Regional Secretary of IChE HRC, Dr. S. Ilaiah, Chief Guest, Head Department of Chemical Engineering Prof. Bala Narsaiah, Principal and other Dignitaries.

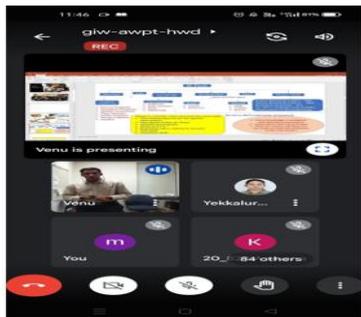


GENOS 22 Souvenir Launch (13.04.22)



GENOS 22 Valedictory Function(13.04.22)

2. A Webinar was conducted on **November 27, 2021**, in the Department involving Students and Faculty with the participation of the Principal and Vice-Principal on **“Career Opportunities in Chemical Engineering –Current trends”** by Dr B.Venu Babu, Post-Doctoral Fellow (Chemical Engineering), University of Saskatchewan, Canada. Programme was coordinated by Professor T. Bala Narsaiah, Head, Department of Chemical Engineering as a part of Golden Jubilee Celebration of the University.
3. An expert talk was held in the Chemical Engineering Department on **March 11, 2022**, entitled **“ Gas separation using Adsorption – Process Design and Material Development”** by Professor G. Sasidhar, Head Department of Chemical Engineering, IIT ,Tirupati. Programme was coordinated by Professor T.Balanarsaiah.
4. All the competitive events of IChE HRC were conducted on **April 4,2022** in the college level in the Department for competitions of Elocution, Essay writing , Technical Quiz and Model making. Total about 50 Student members participated in these events.
5. One Day workshop was held on **April 7, 2022** in collaboration with TS Pollution Control Board (TSPCB) and IChE HRC regarding **“Sustainable waste Management Technologies”** with eminent Chief Scientist from IICT- CSIR, Dr A.G.Rao in association with TSPCB Technologist and GHMC Administrator . Participants assembled from different educational institutions, research organizations and employees from Pharma Industries. The workshop concludes with the visit of participants in the Research Labs of the Centre for Environment, which utilizes the latest technology in the field.
6. Annual National level Technical symposium **“GENOS 2022”** was conducted during **April 12-13, 2022** for the Department of Chemical Engineering with support from IChE HRC with various competitive events for students, expert lecture by Dr S.Sridhar from IICT with a focus on **“Membrane technology, Water conservation - present and future ”** and concluded as Valedictory session attended by Honorary Secretary of IChE HRC, Dr S.Iaiah along with Chief Guest, Principal and other Dignitaries.
7. The Lecture Series-V was organized jointly by IChE HRC and JNTUH University College of Engineering Student Chapter on virtual mode on **May 6, 2022**, Lecture topic entitled **“Journey of Chemical Engineer”** delivered by Dr. Makarand Pimplapure, Founder and Managing Director, Mak Speed Technologies Limited, Pune. Nearly 50 participants attended the meeting, including Dr Sanjay Bhardwaj, Chairman IChE - HRC, Dr. Rajesh Goyal, Patent Intelligence Manager, Solvay India, Gujarat, Prof. S.V. Satyanarayana, Former President IChE , Prof. T. Bala Narsaiah, Head, Department of Chemical Engineering , JNTUH



Dr Venu, University of Saskatchewan, Canada (27.11.22)



Dr Sasidhar IIT Tirupati (11.03.22)



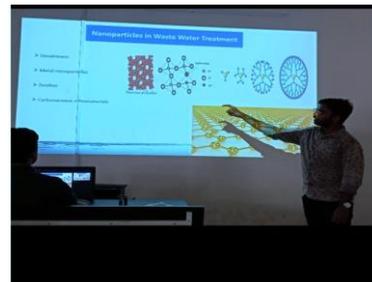
Essay Writing Competition (04.04.22)



Tech Paper Presentation competition(04.04.22)



Elocution Competition (04.04.22)



Model Making Competition (04.04.22)



Workshop on Sustainable Waste Technologies (07.04.22)



Dr Sridhar , IICT-CSIR (12.04.22)

NATIONAL INSTITUTE OF TECHNOLOGY (NIT) WARANGAL STUDENT CHAPTER

1. **Listen Up Lessons** was conducted in virtual mode on **19th September 2021**. The main goal of this event was to throw light on the careers of consulting and data analytics.
2. **Gateway to Gate** was conducted on **25th September 2021** through online mode. The main motto of this event was to create awareness about GATE among the students as well as the necessary preparation methods and tips.
3. IICHe SC-NITW conducted the event **“CHEMPOSIUM”** through virtual mode. The objective of this event was to showcase the logical thinking of our students.
4. **CHEMIGNITE** was a quiz competition conducted on the **3rd January 2022**. This event was conducted to test the technical and general knowledge of students.
5. **Other events conducted:** Research Roadmap on 23rd January 2022, SEMEX on 29th Jan 2022, CHEM-E-CASE on 20th February 2022, CHEM-O-HOUSIE on 20th February, 2022, CHEMIVISION on 29th April, CHEMENGAGE On February 19th and 20th 2022,

ASPEN PLUS Workshop on 19th February, 2022, INDUSTRY INSIGHT on 20th February 2022.

6. Conducted **college level competitions**, i.e Quiz competition on **6th April, 2022**, Essay Writing Competition on **5th April 2022**, Elocution Competition on **15th April 2022**.



ANURAG UNIVERSITY STUDENT CHAPTER

1. Department of Chemical Engineering organized a **National level technical fest – RASAYANIKA 2K22-** from **22nd to 23rd April 2022**. Various technical events like paper presentation, poster presentation, and model presentation were conducted apart from non-technical events like PAPER DRAGON, SEPARATION ANXIETY, THERMOCOLBALLS CAPTURE, UPTURN etc. were also conducted.



2. An **impromptu speech contest** was conducted on **18th August 2021**, where 81 students from various colleges participated. Ten students were selected for the subsequent round of Student Panel discussions on the next day, conducted on **19th August 2021**. Dr. Sanjay Bhardwaj delivered a guest lecture on Safety Management which was followed by a Student Panel Discussion on the topic “Safety and Hazard Management in view of current Scenarios in Chemical Industries”. The event was successfully conducted under the guidance of Head of Department Dr. Mukunda Vani and Mr. Purushotham Theegala.



3. Industrial Visits

1. The department of chemical engineering organized an industrial visit to PUNYA HERBALS on the 28th of October 2021 by 33 students of 3rd-year chemical engineering accompanied by Mr. Purushotham
2. On 20th November 2021, final year students of Department of Chemical Engineering, with HoD & faculty, have visited “Punya Herbals”, Karkapatla near siddipet.
3. An industrial visit was organized by the Department of Chemical Engineering to Revin’s Laboratory on 31st of December 2021 for 48 students of 2nd-year chemical engineering accompanied by Mr. Vijay Kumar. One of the members associated with the production department has given an outlook on the industry and the processes being carried out.

4. College-level competitions

IChE Competitions (College level)	Date
1. Elocution- Title “Importance of application-based learning in chemical engineering” conducted.	4 th April 2022
2. Essay Writing- Title “The path of chemical engineering to achieve to achieve sustainable development goals of the nation” conducted.	8 th April 2022
3. Quiz- Technical and General conducted.	9 th April 2022
4. Model Making- Any real-world Science/ Technology driven Chemical Engineering or Associated Field prototype model or Design conducted.	11 th April 2022



Elocution



Essay writing



Model making

5. Alumni Connect Activities

S. No	Date	Activity name	Topic name
1	11-11-2021	Alumni connect	Career opportunities and trending areas for chemical engineers
2	18-11-2021	Internship orientation program	Dr. Reddy's Internship orientation program
3	25-11-2021	Chem Cruise	Placements talk by seniors
4	9-12-2021	Resume writing	Resume writing by Dr. M. Srinivasa Rao



BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS) PILANI HYDERABAD STUDENT CHAPTER

1. Online guest lecture by **Dr Venkat Venkatasubramanian** on **“AI in Chemical Engineering and Material Science: Past, Present, and Future”** on **25th July 2021**
2. **“Know Your Seniors”**: On 14th and 23rd August, 4th, and 18th September 2021.
3. **“Into the Lab”**: On **15th September 2021**, the virtual session with Prof. I Sreedhar and on **5th October 2021**, a session with **Dr Vikranth Kumar Surasani**.
4. On 31st October and **1st November 2021**, a webinar was conducted on **“The Changing Face of Chemical Engineering: Future Prospects and Career Opportunities”**.
5. Conducted an online guest lecture on **22nd November 2021** by **Dr Anantha Sundaram** from **ExxonMobil, USA**.

6. On **30th January and 3rd February 2022**, two virtual competitive events, “*Chemitionary*” and “*The World of Small Things*”, were conducted.
7. On **4th March 2022** online lecture (as a part of IChE – HRC Lecture Series) was by **Ms. Sujata Bandyopadhyay** from Ansys on “*Simulation-driven Product Development: Chemical Engineering Perspective*”.
8. On **30th and 31st March 2022**, conducted programs “*Nuclear Blues*” and “*Under Pressure*”.

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (CBIT) STUDENT CHAPTER

1. National level Technical symposium **CHEMSPARK-2022** was conducted during **23-24 March 2022** by IChE-HRC in association with CBIT Student Chapter. Various competitive events for students, and expert lectures were held. 33 technical papers in 3 technical sessions and 12 posters were presented alongwith a Technical Quiz. Each session was given the first prize as per the Institute norms.



JNTU ANANTAPUR (JNTUA) STUDENT CHAPTER

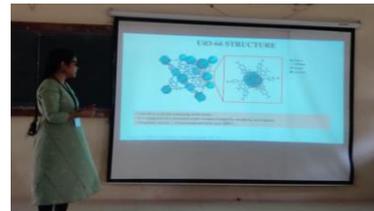
1. **FUSION 2K22** was organized by JNTUA Student Chapter in association with IChE-HRC on **25th and 26th April 2022**. The event was inaugurated by Prof. P. Sujatha, Principal, JNTU College of Engineering Anantapur (JNTUACEA), Prof B. Durga Prasad, Vice Principal, JNTUACEA, Prof. M. Vijaya Kumar, Rector JNTUA, and the chief guest of the inaugural function, Prof. G. Ranga Janardhana Vice-chancellor JNTUA. The inaugural function commenced with the lighting of the lamp by the honourable dignitaries. This was followed by the address by the Head of the Chemical Engineering Department, Dr. B. Dilip Kumar. Then, an introduction about FUSION 2K22 was given by staff coordinator Dr. S. Sharada. Later on, the event was presided by Principal Prof. P. Sujatha and continued with the address of Vice Principal Prof. B. Durga Prasad, Rector Prof. M. Vijaya Kumar, and finally the address of the chief guest, Vice Chancellor Prof. G. Ranga Janardhana. And later on, all the dignitaries planted the saplings in the central courtyard of the Department of Chemical Engineering. After the inaugural function, a virtual address by the **keynote speaker** of the event **Sri D. M. Butala National President, IChE** was organized in which he spoke about the current trends and future scope as well as importance of Chemical engineering in India and all over the world.



Dandiya Dance Fiesta



Inaugural Function



Technical Sessions
(Paper presentation)



Vaedictory Function



Flash Mob



Cultural

2. Organized invited talk on the topic ‘**Importance of Process Simulation for Chemical Engineers**’ by **Sri Kommineni Mallikarjuna** from **Shell** on **2nd March 2022**
3. Organized invited talks on the Topic ‘**VEDIC and Chemical Engineering Health Systems**’ by **Dr. S Altaf Hussain, Director, Lords Institute of Engineering and Technology, Hyderabad**, on **26th March 2022**
4. Organized Industrial Visit on **19th March 2022** at **SRAAC (Sree Rayalseema Alkalies and Allied Chemicals Ltd)**
5. Conducted **Essay writing and Elocution Competition** on **28th March 2022** and **Quiz Competition** was conducted on **29th March 2022**



BV RAJU INSTITUTE OF TECHNOLOGY (BVRIT) STUDENT CHAPTER

1. On **15th September 2021**, the second edition of **VISVA** was conducted on the occasion of Engineer's Day in India, the celebration of the birth anniversary of Sir Mokshagundam Visvesvaraya by the IChE student Chapter, BVRIT in association with the Department of Chemical Engineering. It was conducted both Online and Offline mode for the participants. The topics were based on the theme of Engineering and open to students of all disciplines. Competitions such as Technical Quiz, Essay Writing, Elocution, Missing Letter and Creative Drawing were held. All the winners were given certificates and awarded. The total number of Registrations was 506. Dr KSNV Prasad from Department of Chemical Engineering coordinated the event.
2. “**INQIZITIVE 3.0**” was the succession and the third edition of the All India level

chemical engineering online quiz competition, conducted by IChE Student chapter BVRIT. This five days event was held **from 3rd Jan, 2022 to 7th Jan, 2022**. This event was conducted to test students' knowledge around the chemical field. And all were eligible who are pursuing Engineering and already had a degree. The questions were in the format of GATE. And daily, there were 20 questions. Total number of registrations were 476. Winners were given an e-certificates and a Cash prizes. The faculty Coordinator was Dr KSNV Prasad.

3. The event on **World Water Day** was inaugurated by **Sri Z Srinivasa Rao, Director General, Water and Land Management Training and Research Institute (WALAMTARI)** in the seminar hall, Department of Chemical Engineering. The timings were 10:00 am to 1:00 pm. All the Civil, Pharmaceutical and Chemical Engineering students participated actively in the inauguration ceremony and also in the events. IChE BVRIT Student Chapter conducted events on 22nd March 2022 to spread awareness of ground water. The events consist of poster making, quiz. All the participants and winners were given certificates.

RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES (RGUKT) - BASAR STUDENT CHAPTER

1. The Department of Chemical Engineering in association with IChE-IIIT Basar Student Chapter organized A four day **workshop Curative Curious-2022** on “LaTeX” from **24th -27th March, 2022** in the seminar hall & simulation laboratory of Chemical Engineering department from 9:00AM-5.30PM. The workshop had 119 participants from various departments of Engineering and Sciences.



2. College level competitions were conducted in Essay writing, Elocution, and Quiz.



C: AWARDS / RECOGNITIONS FOR IChE -HRC

BEST REGIONAL CENTRE AWARD 2021

Indian Institute of Chemical Engineers (IChE) selected Hyderabad Regional Centre (HRC) for the Best Regional Centre (BRC) Award 2021 under the category 'A,' which includes Regional Centres with 200 or more regular corporate members. The annual trophy of the BRC Award was received by Chairman and Hon. Regional Secretary of IChE - HRC in the Indian Chemical Engineering Congress (CHEMCON 2021) and 74th Annual Session of IChE held at CSIR – Institute of Minerals and Materials Technology, Bhubaneswar during 26th – 30th December 2021. BRC Award was conferred on the IChE – HRC twice in recent years to recognize its accomplishments. IChE – HRC also received the BRC Award during CHEMCON 2019 and the 72nd Annual Session of IChE held at IIT Delhi.



Best Regional Centre award trophy



Awards/recognitions conferred on IChE – HRC Members

1. Fellow: Prof. V. V. Basava Rao, Former Principal, UCT, OU
2. ONGC Award-2021 for “Excellence in Design and Development of Oil/Gas Related Process Plant and/or Chemicals”: Dr. S. Sridhar, Chief Scientist & Professor CSIR – ICT, Hyderabad.
3. Professor Shyamal Kanti Sanyal Memorial Award for Best PhD thesis in Area of Membranes Research with Significant Commercial Potential: Dr. Harsha Nagar, Chaitanya Bharathi Institute of Technology, Hyderabad.
4. IChE-NRC Award 3rd Best Paper in Indian Chemical Engineer-2020: Dr. Appala Naidu Uttaravalli and Dr. Srikanth Dinda.

D. Miscellaneous activities

- As IChE – HRC support, one student from UCT, OU was assisted for internship training in ARCI.
- Dr. V. Pavan Kumar, Vice Chairman, IChE – HRC coordinated periodic updating of IChE-HRC website.

Obituary

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

1. Sri M. Ranga Rao (LM – 09037), former Joint Secretary / National Council Member, IChE and Chair, Student Chapters, IChE – HRC, passed away on 23rd May 2021
2. Sri Vedanta Chary, Former Head of Chemical Engineering Sciences, CSIR –IICT, an alumni of UCT – Osmania University passed away on 27th June 2021. Heartfelt condolences to the bereaved families.

IChE-HRC received support of University College of Technology – Osmania University (UCT –OU), Anurag University, ARCI and various industrial organizations such as NFC, and from different educational institutions (BITSP-H, BVRIT, CBIT, JNTUA, JNTUH, NITW, Rajiv Gandhi University of Knowledge Technologies) in conducting several programs successfully.

I wish to thank our chairman Dr. Sanjay Bhardwaj and all our Executive Committee Members for their support. We take this opportunity to thank M/s. T. Raghavendra and Associates for auditing the Annual Accounts for the financial year ending on 31st March 2022 and also to Sri C. P. Ramulu for his valuable guidance for keeping the Annual Accounts of the IChE – HRC in proper form. I am thankful to Prof. Ch. Sailu, Principal, UCT, OU, Prof. V. Ramesh Kumar, Head Department of Chemical Engineering and Prof. V. V. Basava Rao, former President IChE, Dr. M. Mukunda Vani, Student Chapters Convener, Dr. P. Sunitha, Dr. B. Parameshwarlu, Dr. P. Sri Durga, Ms. A. Vijaya Laxmi and all student chapter coordinators for their help in conducting Inter college competitions-2022. Our complete Executive Body would like to put on record the services of Former IChE Presidents Prof. S. Venkateshwar, Sri A Bhasker Reddy, Sri G. V. Sethuraman, Prof. S. V. Satyanarayana, Prof. V.V. Basava Rao, Former IChE – HRC Chairpersons Sri S.M. Rao, Prof. S. S. Sridharan, Smt. Sheela, Prof. R. Shyam Sunder 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/-

Dr. S. Ilaiah
Hon. Regional Secretary,
IChE-HRC