



**INDIAN INSTITUTE OF CHEMICAL ENGINEERS**  
**AMARAVATI REGIONAL CENTRE**  
**JKC College Campus, Ring Road,**  
**GUNTUR-522 006 (AP)**



2<sup>nd</sup> August, 2020

ANNUAL REPORT: 2019-2020

Respected dignitaries and esteemed members, a very good morning and warm welcome to you all. On behalf of the Executive Committee of IICChE- ARC, I take this opportunity in extending hearty welcome to you all to this 6<sup>th</sup> Annual General Meeting (AGM) of IICChE Amaravati Regional Center. It is my privilege to place the annual report 2019-2020 before you for discussion and approval. I hope this report copy is with you. Last AGM 2019 was held on 23.06.2019 at Committee room, JKC College Campus, Ring Road, Guntur.

**I. 5<sup>th</sup> AGM on 23.06.2019**

Sri J. Murali Mohan, immediate past Chairman presided over the meeting and conducted the proceedings as Dr.V.Govardhana Rao, Chairman, IICChE ARC expressed in inability attend for the meeting due to ill health.

The AGM unanimously elected the following members as Office Bearers and Executive Committee members of IICChE Amaravati Regional centre for the years 2019-2021.

1.	LM 53476	Sri. J. Murali Mohan, Chairman
2.	LM 53757	Dr. N. Sambasiva Rao, Vice Chairman
3.	LM 6492	Dr M.Venkateswara Rao, Honorary Regional Secretary
4.	LM 53479	Sri R. Benerjee Babu. Honorary Regional Joint Secretary
5.	LM 32022	Dr. K.Ramesh Chandra, Honorary Regional Treasurer
6.	LM 32020	Dr. C.V Subrahmanyam
7.	LM 53477	Sri. M. Raghavaiah
8.	LM 8273	Mr G.Ranga Rao
9.	LM 53485	Ms. P. Vijetha Chowdhary
10.	LM 53760	Dr. P.Bangaraiah
11.	LAM 56569	Dr. Vinoth Kumar Raja
12.	LM 66136	Mr.G.Venu Babu
13.	LM 54715	Mr.Mindi Rama Krishna
14.	LM.18811	Dr.V.Govardhana Rao (immediate past Chairman, Ex-Officio)
15.	LM 53478	Dr .J. Srinivasa Rao (immediate Honorary Joint Secretary, Ex-Officio)

**Co-opted members**

16.	LM 9292	Dr.T.Subbaiah
17.	LM 53480	Sri N.Jani Bhasha
18.	LM 32588	Dr.P.Venkateswar

## Invitees

1.	LM 27678	Dr.K.B.K.Rao
2.	LM.03406	Dr. A. Suryanarayana
3.	LM 53475	Mr.Enjumuri Pardhasaradhi
4.	LM 53483	Sri K.Siva Prasada Rao

As for the IChE National Council decision, all the student chapter coordinators and Industrial Consultancy Committee members are included as invitees to the EC for better coordination in organizing the Regional Center activities.

## IChE National Council Elections

The IChE National Council Elections were conducted during August-October, 2019 to fill the vacancies caused due to retirement of two council members from south zone. IChE ARC endorsed the nomination of Dr. M. Venkateswara Rao from Amaravati Regional Center to participate in above elections. I am very happy to inform you all that Dr. M. Venkateswara Rao was elected to the National Council for the period 2020-2022. During CHEMCON 2019 at IIT Delhi, the National Council intern elected Dr. M. Venkateswara Rao as its Vice President for the year 2020. On his election as IChE National Council member, Dr. M. Venkateswara Rao expressed his happiness and gratitude to all the IChE members in particular the IChE ARC members.

## II. FINANCIAL SUPPORT BY IChE MEMBERS

During the financial year 2019-20 the following IChE ARC EC members and IChE ARC members donated Rs.70,000/-(rupees seventy thousand only) to the Endowment fund in the name of Prof. M. Venkateswara Rao and the same amount was deposited in the bank account. With the addition of Rs.70, 000/-(rupees seventy thousand only), the total amount deposited (Fixed Deposit) in the bank to the Endowment fund in the name of Prof. M. Venkateswara Rao becomes Rs.4,20,000/-(rupees four lakh twenty thousand only).

S.No.	Name	Amount in Rs.
1.	Sri J Murali Mohan	5,000/-
2.	Dr. V.Govardhana Rao	5,000/-
3.	Dr. A. Suryanarayana	5,000/-
4.	Dr. N. Sambasiva Rao	5,000/-
5.	Dr. T. Subbaiah	5,000/-
6.	Sri M.Raghavaiah	5,000/-
7.	Dr. M. Venkateswara Rao	5,000/-
8.	Dr. A.Sarath Babu	5,000/-
9.	Smt. J. Laxmi Jayanthi	5,000/-
10.	Sri E. Pardhasaradhi	2,500/-
11.	Sri R. Banerjee Babu	2,500/-
12.	Dr. C.V.Subrahmanyam	2,500/-
13.	Sri G. Ranga Rao	2,500/-
14.	Sri N. Jani Basha	2,500/-
15.	Dr. K.B.K.Rao	2,500/-
16.	Dr. P. Venkateshwar	2,500/-

17.	Dr. P. Bangaraiah	2,500/-
18.	Dr. K. Ramesh Chandra	2,500/-
19.	Sri K.Siva Prasada Rao	2,500/-
<b>Total</b>		<b>70,000/-</b>

Mr. Ravuri Ravindra an Alumnus of RVR&JC College of Engineering (A) donated Rs. 2,000/-(rupees two thousand only) to organize IChE ARC activities during the financial year 2019-20.

To promote the student chapter activities, it is resolved (depending on the availability of funds) to sponsor student files/kits worth Rs. 12,000/- to 15,000/- to any student chapter, which is willing to organize one/two days student activities in association with IChE Amaravati Regional Center during the academic year 2019-20.

As per the above resolution, Indian Institute of Chemical Engineers Amaravati Regional Center (IChE ARC), sponsored the student files worth of Rs. 11,000/- (rupees eleven thousand only) to IChE RVR&JCCE Student Chapter, to organize two day National Seminar CHECK 2020 during 26<sup>th</sup> - 27<sup>th</sup> February, 2020 in association with IChE ARC

### ACTIVITIES OF THE YEAR

With the co-operation and support of all the EC members and other committee members during this period, six Executive Committee meetings have been held and the following activities were carried out during the year 2019-2020. We are unable to organize more EC meetings and Regional Center activities due to COVID 19 pandemic situation from March, 2020 onwards.

### III. IICHE FOUNDATION DAY

Every year 2<sup>nd</sup> November the birth day of Dr H L Roy is celebrated as IChE foundation day. This year the 131<sup>st</sup> birth anniversary of Dr H L Roy was celebrated by IChE Amaravati Regional Center on 02.11.2019 at R V R & J C College of Engineering. Fortunately that day, the Department of Chemical Engineering, RVR&JCCE organized the valedictory function related to AICTE sponsored one week STTP on Advances in Process Design by using Simulators (APDS). Large number of Chemical Engineers who attended the above function also participated in the foundation day.



#### IV. SEMINAR ON INDUSTRIAL HAZARDAS AND SAFETY

IChE Amaravati Regional Centre in association with The Andhra Sugars Limited, Tanuku organized a one-day Seminar on “**Industrial Hazards and Safety**” on 30.11.2019 at Saggonda, West Godavari (Dist.). The seminar was inaugurated by Dr. A. Koshy, Director, RiskChem Engineering and Academy, Chennai by lighting the lamp followed by prayer in the presence of Dr. G.S. Venkataratnam, Honorary Treasurer, IChE, Sri P.S.R.V.K. Ranga Rao, Executive Director, The Andhra Sugars Limited Saggona, Sri G. Ramesh, Chief Chemical Engineering, The Andhra Sugars Limited Saggonda, Dr. M.Venkateswara Rao, Honorary Secretary, IChE ARC, Sri R. Banerjee Babu, Honorary Joint Secretary, IChE ARC, IChE ARC members, other management members and employees of The Andhra Sugars Limited Saggonda . Sri P.S.R.V.K. Ranga Rao, conducted the proceedings.



**Details of Participants:** Total participants-70 (Participants from the Company -60 plus participants from nearby Industries and IChE ARC members)

<b>Name of the speaker</b>	<b>Topic</b>
<b>Dr. M. Venkateswara Rao</b> <i>Professor, Department of Chemical Engineering</i> <i>Dean, Examinations</i> RVR & JC College of Engineering (A) Chowdavaram:: Guntur Honorary Regional Secretary, IChE ARC	<b>Opening remarks and Importance of the Topic of the seminar “Industrial Hazards and Safety”</b>
<b>Sri G.Ramesh</b> Chief Chemical Engineer The Andhra Sugars Limited Saggonda, West Godavari (Dist.)	<b>Welcome Address</b>
Dr. A. Koshy Director, RiskChem Engineering and Academy #4 First Street, VGP Golden Beach South Part III Off East Coast Road, Chennai	<b>Occupational Hazards and Process Safety</b>
<b>Dr.G.S.Venkataratnam</b> Senior Principal Scientist (Retd.) CLRI, Chennai and Honorary Treasurer, IChE	<b>Safety- Is it a Value or Cost?</b>

Presiding over the Inaugural Session, Sri P.S.R.V.K. Ranga Rao, Executive Director, The Andhra Sugars Limited, in his opening remarks, appreciated the IChE Amaravati Regional Center for readily accepting to conduct the seminar on Industrial Hazards and Safety, which is very relevant topic for any industry. He then gave a brief history of the company, the work culture, the company management commitment to "safety first" to their employees and promoting green environment within the company. Dr. M. Venkateswara Rao elaborated about IChE as a professional organization in general and IChE Amravati Regional Center in particular. He emphasized the importance of Safety in any organization, especially in chemical industry and appreciated the management of The Andhra Sugars Limited, Saggonda for coming forward to conduct this seminar at their company premises. This would certainly help their employees to reinforce their commitment to Safety First Principle, he said.

Sri G. Ramesh, Chief Chemical Engineer, The Andhra Sugars Limited, Saggonda warmly welcomed the gathering for the seminar, appreciating the initiative taken by IChE ARC to conduct this very important and industry relevant seminar at their company premises.

After the inaugural session Dr. A. Koshy, Director, RiskChem Engineering and Academy, Chennai explained the importance of occupational hazards, various types of types of occupational hazards like chemical hazards, biological hazards, psychosocial hazards, and physical hazards, ergonomic hazards and behavioral hazards. He discussed citing some of examples of the occupational hazards like excessive noise and heat are commonly found problems in industries, which can affect the hearing ability of worker. He requested the managements to build safety policies that address the specific hazards at workplaces. Dr. Koshy explained the importance of reporting the incidence hazards to the concerned authorities providing the information in chorological order of seriousness. He has interacted with the participants providing information related process safety.



In the post lunch session, Dr. G. S. Venkataratnam, Senior Principal Scientist (Retd.) CLRI, Chennai and Honorary Treasurer, IChE, an authority on Industrial hazards and Safety spoke in detail on the subject. He interacted with the audience quite frequently by involving them actively throughout his talk. It was like a work shop narrating some case studies how the safety procedures can be laid down and implemented effectively if the executives and the other employees have a open mind. He dealt with the fundamentals of industrial hazards and safety



which reinforced the employees understanding with more clarity and appreciation. Dr. Venkataratnam conveyed an important message that "Safe Production" is very much essential and it is more economical in the long run than simply "production". For this to achieve, he said, management of the company has to formulate safety policies and provide the necessary support, employees with no overconfidence, have to follow the safety procedures with rigor, and the Government has to oversee strictly implementation of guidelines. It is like a three vertices of safety triangle, he said.

In the interactive session, all the speakers actively participated to clarify the questions and doubts raised by enthusiastic employees and others. At the end of the session, Dr. M.Venkateswara Rao, summed up the seminar proceedings highlighting the relevance of the seminar and the important points made by the speakers and proposed the vote of thanks.

## V. ChECK-2020

IChERVR&JCCE student chapter in association with IChE Amaravati Regional Center organized a two day student activity “**Chemical Engineering Contest for Knockout-2020 (ChECK-2020)**” during 26<sup>th</sup> - 27<sup>th</sup> February, 2020. . Total numbers of student participants are 143 from various Colleges.

On 26.02.2020, the Inaugural Function began by inviting the dignitaries on to the dais by Mr. G. Hema Chandra and Ms. Kumudini of 3<sup>rd</sup> B.Tech., Chemical Engineering at 10.00 a.m. with the invocation by Ms. Akhila of 2<sup>nd</sup> B.Tech., Chemical Engineering students.

Dr. K. Srinivasu, Principal, R.V.R. & J.C. College of Engineering presided over the Inaugural Function. The Chief Guest Prof. V. V. Basava Rao, President, Indian Institute of Chemical Engineers (IChE), Department of Chemical Engineering, University College of Technology, Osmania University, Hyderabad inaugurated the Student Meet ChECK-2020 by lightning the lamp and delivered the inaugural address. The Guest of Honor Dr. G. S. V. Ratnam, Senior Principal Scientist (Retd.), Central Leather Research Institute (CLRI), Chennai, graced the function and delivered the key note address on “Process Industries – Hazards & Safety”. Dr. M. Venkateswara Rao, Professor, Dept. of Chemical Engineering & Dean, Examinations and Chairman Organizing Committee, graced the function. Dr. C. V. Subrahmanyam, Professor & Head and Convener, Organizing Committee presented his report.

Two expert lectures were organized in addition to the student activities paper presentation, Technical Quiz, Elocution, Group Discussion and Chem Quest.



## Expert Lectures

S.No.	Date	Name of the speaker	Topic
1	26.02.2020	<b>Dr. G. S. V. Ratnam</b> Senior Principal Scientist (Retd.) Central Leather Research Institute (CLRI) Chennai	Process Industries – Hazards & Safety
2	27.02.2020	<b>Dr. A. Sarath Babu</b> Professor Department of Chemical Engineering National Institute of Technology Warangal	Energy Usage & CO <sub>2</sub> Management, Application Examples

### Following are the Judges for different student activities:

1. Dr. M. Ramesh Naidu, Professor & Head, Dept. of Chemical Engineering, Vignan's University, Guntur
2. Dr. P. Venkateshwar, Principal (Retd.), Vijayawada & EC member, IChE ARC
3. Dr. K. Sobha, Associate Professor, RVR & JC College of Engineering (A), Guntur
4. Dr. Siva Prasad, Associate Professor, CHIPS, Guntur
5. Sri N. Aravind, Professor, KKR & KSR Institute of Technology & Sciences, Guntur
6. Sri K. Sudhakar, Assistant Professor, RVR & JC College of Engineering (A), Guntur.
7. Dr. K. Sree Raghu Ram, Asst. Professor, Vignan's University, Guntur (Dist.),
8. Dr. Samuel Babu Koppula, Asst. Professor, RVR & JC College of Engineering (A), Guntur.

### The Winners in various competitions are

Name of the event: **Paper presentation**

S.No.	Name of the Student	Name of the College	Prize
1.	G. Durga VenkataNagesh & M.Satish	RGUKT, IIIT, Nuzvid	I
2.	A.Kranthi Kumar	RVR&JCCE(A)	II
3.	B V N S G Sudarshan & K Sumanohar	ANITS, Visakhapatnam	III
4	Y Pranathi	CHIPS, Guntur	Consolation
5	S. Sravani & K.S.Harika	ANITS, Visakhapatnam	I
6	C. Ravi Surya & D.Divya	RGUKT,IIIT, Nuzvid	II
7	G. Hemachandra & Sk.Mansor Ali	RVR&JCCE(A)	III
8	G. Krishnam Raju	CHIPS, Guntur	Consolation

Name of the event: **Technical Quiz**

S.No.	Name of The Student	Name of the College	Prize
1.	C.Ravi Surya & D.Divya	RGUKT, IIIT, Nuzvid	I
2.	G.Hema Chandra & SK.Mansoor Ali	RVR & JCCE(A)	II
3.	Ch.Satya Srilakshmi & K.Satya Bhavani	RGUKT, Nuzvid	III

Name of the event: **Elocution**

S.No.	Name of The Student	Name of the College	Prize
1.	C.Ravi Surya	RGUKT, Nuzvid	I
2.	G.Hema Chandra	RVR & JCCE(A)	II
3.	L.P.Akhila	RVR & JCCE(A)	III

Name of the event: **Group Discussion**

S.No.	Name of The Student	Name of the College	Prize
1.	G.Ravi Surya	RGUKT, IIIT, Nuzvid	I
2.	G.Hema Chandra	RVR & JCCE(A)	II
3.	R.Dinesh	ANITS, Visakhapatnam	III

Name of the event: **Chem Quest**

S.No.	Name of The Student	Name of the College	Prize
1.	J.Purna Chathuraman & Ch.Sri Hari K.Rajesh Chowdary & N.Intiyaz	RVR&JCCE(A)	I
2.	Ch.Satya Srilakshmi & K.Satya Bhavani	RGUKT, IIIT, Nuzvid	II
	G. Hema Chandra & M.Sateesh	RVR&JCCE(A)	

The Two Day hectic activity came to an end by the Valedictory function at 04.00 p.m. on 27-02-2020 with the invocation by Ms.M.L.Sailaja and Ms.K.Tejaswimi III/IV B.Tech., Chemical Engineering students. Dr. A. Sarath Babu, Professor, Department of Chemical Engineering, NIT, Warangal was the Chief Guest and Dr. M. Venkateswara Rao, Professor, Dept. of Chemical Engineering & Dean, Examinations and Chairman Organizing Committee presided over the Valedictory function. At the end of the function, feedback was taken from the participants on the various events conducted and the participants expressed their satisfaction with deliberations and the arrangements made & hospitality extended to them. They were all in appreciation for the cleanliness and greenery of the campus. Dr. C. V. Subrahmanyam, Convener appreciated all those who helped and supported the programme directly or indirectly. Dr.A.Sarath Babu, Dr. M.Venkateswara Rao and C.V.Subrahmanyam presented the prizes to the winners. The Valedictory function ended with Vote of Thanks proposed by Ms. V. Ramya, 2<sup>nd</sup> B. Tech. Chemical Engineering student.



## ACTIVITIES OF STUDENT CHAPTERS

### IChE RVR&JCCE Student Chapter

#### 1. Expert Lectures Organized

S.No.	Name of the Speaker	Date	Topic	Address
1	V.V.Kishore Kumar	05.07.2019	'Career Opportunities'	Trainee, Kish Academy, Guntur
2	S. N. Upadhyay	06.07.2019	'Joy and Satisfaction of Idea Based Research'	Emeritus Professor, Dept. of Chemical Engineering & Technology, IIT (BHU) Varanasi
3	Prof. Ch. V. Ramachandra Murthy	16.07.2019	Application of Chemical Principles in Pharmaceutical Industry	Principal, (Retired) AU College of Engineering (Autonomous), Andhra University, Visakhapatnam
4	P. Malleswara Rao	28.08.2019	Pharma Business-Role for Chemical Engineers'	Strategic Business Consultant, M/s. Towa Pharmaceutical Co. Ltd, Chennai,
5	Ravuri Ravindra	11.12. 2019.	Simulations in Process Industries'	Senior Consultant, DNVGL, KL, Malaysia,
6	Dr. M. Vasudev Kumar	31.12.2019.	Importance of Process Simulation'	Process Engineering Specialist, Shell Technology Centre Bangalore

#### 2. Industrial study tours organized

S.No.	Date	Class	Industries Visited
1.	30-12-2019	III/IV B.Tech Second Semester	M/s KCP Limited, Macherla, Guntur Dt.
2.	23-12-2019	II/IV B.Tech Second Semester	M/s. Sri Dhanalakshmi Group of Industries, Ganapavaram, Chilakaluripet, Guntur Dt.
3.	30-07-2019	II/IV B.Tech First Semester	M/s. JOCIL Ltd., Dokiparru Medikondur Mandal, Guntur Dt.

#### 3. Online Summer Internship

Total number of IChE student members participated from RVR&JC College of Engineering (A) is **102** (From 3<sup>rd</sup> year 44 and from 2<sup>nd</sup> year 58) in **online summer internship-2020** program organized by IChE during April - June, 2020.

### IChE NITAP Student Chapter

#### 1. Expert Lecture Organized

S.No.	Name of the Speaker	Date	Topic	Address
1	Dr. Ravindra Pogaku	22.11.2019	Process Safety Management in Chemical Industries	Research Professor, University of South Carolina and Professor of Chemical and Bioprocess Engineering-University Malaysia Sabah, Malaysia.

With this, I submit the annual report together with the audited statement of accounts for the approval of esteemed members of Indian Institute of Chemical Engineers, Amaravati Regional Center.

Thank you one and all

A handwritten signature in black ink, appearing to read 'M. Venkateswara Rao', with a long horizontal flourish extending to the right.

(M. Venkateswara Rao)  
Hon. Regional Secretary, IChE-ARC