



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



23rd June, 2019

ANNUAL REPORT: 2018-2019

Respected dignitaries and esteemed members, a very good morning and warm welcome to you all. On behalf of the Executive Committee of IICHE-GRC/ARC, I take this opportunity in extending hearty welcome to you all to this 5th Annual General Meeting (AGM) of IICHE Amaravati Regional Center. It is my privilege to place the annual report 2018-2019 before you for discussion and approval. I hope this report copy is with you. Last AGM 2018 was held on 24.06.2018 at Committee room, JKC College Campus, Ring Road, Guntur.

I. 4th AGM on 24.06.2018

Presiding over the meeting, Dr.V.Govardhana Rao, Chairman welcomed the members and expressed his happiness and appreciation for the cooperation extended by all the members for the smooth functioning of IICHE GRC/ARC.

The election for the Executive Committee for the year 2017-2019 was conducted by Sri J. Murali Mohan. The following is the list of the Executive Committee of IICHE- GRC for the year 2017-2019.

1.	LM 6492	Dr M.Venkateswara Rao	Member
2.	LM.18811	Dr.V.Govardhana Rao	Member
3.	LM 27709	Dr.V.Madhusudhan Rao	Member
4.	LM 32020	Dr. C.V Subrahmanyam	Member
5.	LM 53475	Sri.Enjumuri Pardhasaradhi	Member
6.	LM 53476	Sri. J. Murali Mohan	Member
7.	LM 53477	Sri. M. Raghavaiah	Member
8.	LM 53478	Dr. J.Srinivasa Rao	Member
9.	LM 53479	Sri R. Benerjee Babu	Member
10.	LM 53480	Sri N.Jani Bhasha	Member
11.	LM 27678	Dr.K.B.K.Rao	Member
12.	LM 9292	Dr.T.Subbaiah	Member
13.	LM 32022	Dr. K. Ramesh Chandra	Member
14.	LM 54715	Sri M.Rama Krishna	Member

The following members were co-opted during 2018-19

1.	LM-53760	Dr.P. Bangaraiah	co-opted Member
2.	LM-53483	Sri K. Siva Prasada Rao	co-opted Member
3.	LAM 56569	Dr. Vinoth Kumar Raja	co-opted Member

The Executive Committee Meeting of IChE-Guntur Regional Centre was held on 01.07.2017 at 08.00 p.m. in the Committee room, JKC College, Ring Road, Guntur. Sri J. Murali Mohan presided over the meeting and conducted the proceedings.

The Executive Committee unanimously elected the following office bearers for the year 2017-19.

1. Chairman : Dr. V. Govardhana Rao
2. Vice Chairman : Dr. V. Madhusudhan Rao
3. Honorary Regional Secretary : Dr. M.Venkateswara Rao
4. Honorary Regional Joint Secretary : Dr. J.Srinivasa Rao
5. Honorary Regional Treasurer : Dr. C.V.Subrahmanyam

Executive Committee Meeting held on 24.06.2018 at 5.00 p.m. in the Committee room, JKC College, Ring Road, Guntur, unanimously elected Dr. K. Ramesh Chandra as honorary treasurer for the year 2018-19 as Dr. C. V.Subrahmanyam expressed his inability to spare time as treasurer.

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

II. FINANCIAL SUPPORT BY IChE MEMBERS

During the financial year 2018-19 Sri J.Murali Mohan immediate past Chairman, IChE ARC/GRC & Managing Director, Jocil Limited, Dr.V.Govardhana Rao Chairman, IChE ARC & Managing Trustee, Vadlamudi Kotaiah Chowdary Charitable Trust and Sri G. Venu Babu, alumnus of RVR&JC College of Engineering (A) donated Rs.82,000/-(rupees eighty two thousand only) to the Endowment fund in the name of Prof. M. Venkateswara Rao and the same amount was deposited in the bank account. Some of the Alumni of RVR&JC College of Engineering (A) and Jocil Limited, Guntur donated Rs. 23,780/-(rupees twenty three thousand seven hundred and eighty only) to organize IChE ARC/GRC activities during the financial year 2018-19.

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 2018-19.

As per the above resolution, Indian Institute of Chemical Engineers Amaravati Regional Center (IChE ARC), sponsored the student files worth of Rs. 12,600/- (rupees twelve thousand six hundred only) to IChE RGUKT Nuzvid Student Chapter to organize National Seminar on 24.02.2019 in association with IChE ARC and TECKZITE 2K19 during 15-17 February, 2019.

III. REGIONAL CENTER NAME CHANGE

With the request from IChE GRC, the IChE National Council agreed to change the name of IChE Guntur Regional Center as IChE Amaravati Regional Center. The Executive Committee of IChE GRC held on 28.10.2018 resolved to change its Regional Center name as IChE Amaravati Regional Center and from 25.01.2019 onwards ICh Guntur Regional Center is renamed as IChE Amaravati Regional Center.

ACTIVITIES OF THE YEAR

With the co-operation and support of all the EC members and other committee members during this period, nine Executive Committee meetings have been held and the following activities were carried out during the year 2018-2019.

IV. NATIONAL SEMINAR

IChE Amaravati Regional Centre in association with RGUKT, Nuzvid & all the student chapters under IChE ARC organized a one-day Seminar on “**Chemical Engineering Journey Ahead**” on 24.02.2019 at Rajiv Gandhi University of Knowledge Technologies, Nuzvid (RGUKT, Nuzvid) campus, Nuzvid. The seminar was inaugurated by Prof. S.V. Satyanarayana, President IChE and Director Evaluation, JNT University, Ananthapuramu.

Details of Participants: Total participants-350 (Student participants-330); Faculty-20; Plus IChE GRC members.



Details of the speakers

Name of the speaker	Topic
Dr V GovardhanaRao Professor (Retd.), IIT Bombay, Mumbai & Chairman, IChE ARC	Indian Chemical Industry-future Growth and Challenges
Prof. S.V.Satyanarayana President, IChE& Director, Evaluation, JNT University Ananthapuramu	Membrane separations for Green Environment

Dr.N.V.Choudary Emeritus Scientist, Green R & D Center, HPCL, Bengaluru	Petroleum Refining-Challenges and Future Outlook
Sri G.VenuBabu Asst. General Manager Head of the Technical Service Dept. Hetero Lab's Ltd, Hyderabad	Gateway to Chemical Engineers in Pharmaceutical Industry

Panel discussion session was conducted with the participation of all the above speakers and Dr.G.S.Venkataratnam, Senior Principal Scientist (Retd.) & **Dr Ch.Satyanarayana**, Consultant, Chief Scientist (Retired), National Chemical Laboratory, Pune.. In this session the students actively participated. At the end of the session, Dr. V. Govardhana Rao, IChE ARC Chairman summed up the seminar proceedings highlighting the relevance of the seminar and the important points made by the speakers.



After the technical session, the following student activities were organized

1. Technical Paper Presentation
2. Technical Quiz.

Judges for Technical paper presentations (two parallel sessions)

1. Dr.G.S.Venkata Ratnam, Honorary Treasurer, IChE& Principle Scientist, CLRI, Chennai
2. Dr.Vinoth Kumar Raja, Asst. Professor, NIT Andhra Pradesh, Tadepalligudem
3. Sri N. Jani Bhasha, EC member, IChE ARC& Asst. General Manager, Jocill Ltd. Guntur
4. Dr.Shabana Shaik, Adhoc Faculty,, NIT Andhra Pradesh, Tadepalligudem

Event Managers for Technical Quiz

1. Sri K. Siva Prasada Rao, Asst. Professor, RVR & JC College of Engineering, Guntur
2. Sri M.Madhusundana Reddy, Faculty, RGUKT, Nuzvid

Winners of student activities

S.No.	Name of the event	Name of the student(s)	Name of the College	Prize
1	Technical Paper Presentation	Ms.B.L.N.Lavanya Mr.T.Ajay	Rajiv Gandhi University of Knowledge Technologies, Nuzvid	I
		Mr.G.Vishnu Babu Mr. SD.Subhani	RVR &JC College of Engineering(A), Guntur	II
		Mr.P.Saidavalli Mr.K.Balaram	RVR &JC College of Engineering(A), Guntur	III
2	Technical Quiz	Mr.P.Sainadh Mr.T.N.V.T Manoj	RVR &JC College of Engineering(A), Guntur	I
		Mr.M.Ganesh Mr.C.Ravi Surya	Rajiv Gandhi University of Knowledge Technologies, Nuzvid	II
		Ms.M.Uma Mr.P.Ravi Kumar	Vignan's Foundation for Science, Technology & Research University, Vadlamudi	III

The major contributors for the seminar are a) Rajiv Gandhi University of Knowledge Technologies (RGUKT), Nuzvid, b) M/s Jocil Limited, Dokiparru c) Vadlamudi Kotaiah Chowdary Charitable trust, Tenali.

V. SEMINAR ON “Industrial Hazards and Safety”

IChE Amaravati Regional Centre in association with Jocil Limited, Guntur organized a one-day Seminar on “**Industrial Hazards and Safety**” on 30.05.2019 at Jocil Limited, Dokiparru, Guntur on the eve of IChE Foundation Day. The seminar was inaugurated by Dr. G.S.Venkataratnam, Senior Principal Scientist (Retd.), CLRI, Chennai and Treasurer, IChE by lighting the lamp followed by prayer in the presence of IChE ARC members, management members and employees of Jocil Limited.

Details of Participants: Total participants-60 (Participants from the Company -50 Plus IChE ARC members)



Details of the speakers

Name of the speaker	Topic
Dr. V. Govardhana Rao Professor (Retd.), IIT Bombay & Chairman, IChE ARC	Opening remarks and Importance of the Topic of the seminar “Industrial Hazards and Safety”
Sri J. Murali Mohan Managing Director, Jocil Limited, Guntur & Immediate past Chairman, IChE ARC	Welcome Address
Dr.G.S.Venkataratnam, Senior Principal Scientist (Retd.) CLRI, Chennai and Honorary Treasurer, IChE	Industrial Hazards and Safety

Dr. V. Govardhana Rao, the Chairman, IChE ARC, in his opening remarks, appreciated the management of Jocil Limited for readily accepting to conduct the seminar on Industrial Hazards and Safety, which is very relevant topic for any industry, on the eve of IChE Foundation Day. He then elaborated the history of starting IChE as a professional organization and the initiatives taken the then visionary and distinguished professor Dr. Hira Lal Roy. He narrated the challenges faced by Dr. Roy in his early education in the midst of his patriotic association with Indian freedom movement and Swadeshi movement, his commitment to work for his Alma Mater by returning to India after completing his graduate studies in Harvard University, his initiative to start Chemical engineering at Bengal Technical Institute in Calcutta in 1920s and his vision to start IChE as a professional body with small group of people on 18th May 1947, the year of India's independence. All the participants paid tributes to the legendary Dr. Hira Lal Roy.

Dr. J. Murali Mohan, Managing Director, Jocil Limited 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. He then gave a brief history of the company, the work culture, the importance the company management attributes to "safety first" to their employees and promoting green environment within the company and how it is helping the public in general and their employees in particular.



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 interacting 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 the guidelines. It is like a three vertices of safety triangle, he said.

Interactive session was conducted with the participation of all the speakers including Dr.M.Venkateswara Rao, Honorary Regional Secretary IChE ARC with employee participants to clarify their questions and doubts in which the participants actively participated. At the end of the session, Dr. M.Venkateswara Rao, proposing the vote of thanks, summed up the seminar proceedings highlighting the relevance of the seminar and the important points made by the speakers.

VI. CAREER COUNSELING 2019

Dr.M.Venkateswara Rao, Honorary Regional Secretary IChE ARC participated in a program organized by "The Hindu group of Newspapers" at Siddhartha Academy Auditorium, Vijayawada on 15.06.2019 (organized at three different places in Andhra Pradesh Visakhapatnam, Vijayawada and Tirupathi on the same day ie. on Saturday). The aim of the program is "Career Counseling 2019" for engineering aspirants (students). The program started at about 10.30 a.m. and ended by 01.00 p.m. The students and their parents in and around Krishna (Dist.) actively participated. The program is well organized and successfully completed.



VII. ChECK-2019

A one day student activity “Chemical Engineering Contest for Knockout-2019 (ChECK-2019)” was organized by IChE RVR&JCCE student chapter in association with IChE ARC on 02-03-2019, with the theme of “Chemical Engineering in Service of Humanity”. Total numbers of student participants are 151 from different Colleges. The program was inaugurated by Dr. A Sarath Babu, Professor, Dept. of Chemical Engineering, National Institute of Technology, Warangal. Dr. V. Govardhan Rao, Prof. IITB (Retd.) and Chairman, IChE-ARC graced the occasion as Guest of Honour,

Following are the Judges for different events:

1. Dr. E. Nageswara Rao, Professor, RVR &JC College of Engineering (A), Guntur.
2. Dr. K. Sobha, Asso. Professor, RVR &JC College of Engineering (A), Guntur
3. Dr. K. Sujatha, Asst.Professor, RVR &JC College of Engineering (A), Guntur.
4. Sri K. Sudhakar, Asst. Professor, RVR &JC College of Engineering (A), Guntur.

Details of events organized and prizes:

Name of the Event: Paper presentations:

S.No.	Name of the Student	Name of the College	Prize
1.	Ms. P. Mahitha	Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur	I
2.	Mr. D. Siva Krishna	R.V.R & J.C College of Engineering(A), Chowdavaram, Guntur	II

Name of the Event: Group Discussion

S.No.	Name of The Student	Name of the College	Prize
1.	Mr. P.Tharun	R.V.R & J.C College of Engineering(A), Chowdavaram, Guntur	I
2.	Mr. G.Parthasai Teja	Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur	II
3.	Mr. S.Vamsi Krishna	R.V.R & J.C College of Engineering(A), Chowdavaram, Guntur	III

Name of the Event: Quiz

S.No.	Name of The Student	Name of the College	Prize
1.	Mr, Sk. Ijaj & Mr. N. Sudhakar	R.V.R & J.C College of Engineering(A), Chowdavaram, Guntur	I
2.	Mr. U. Hari Krishna & Mr. D. Appalanaidu	Bapatla Engineering College(A), Bapatla	II
3.	Mr. Md. Khudrathullah & Mr. N.Mouli	R.V.R & J.C College of Engineering(A), Chowdavaram, Guntur	III

VIII. INDUSTRIAL CONSULTANCY COMMITTEE (ICC)

An Industrial Consultancy Committee was constituted (2nd EC meeting dated 16.09.2017) with following IChE GRC members to interact with Industry and to extend possible assistance in solving the Industrial problems. The main trust in this activity is to engage chemical engineering students with the industry through their project work. Therefore, the student chapters under ARC are also involved in the process of consultancy/project work

1. Sri J. Murali Mohan
2. Sri E. Pardhasaradhi
3. Sri R.Banerjee Babu
4. Sri M.Raghavaih
5. Sri K.Siva Prasada Rao

As part of above activity, letters posted to industries in and around Guntur informing them the technical support availability with IChE ARC. Till now we have not received any feedback from the Industry.

IX. GST

The following GST number was allotted to the IChE ARC and we are regularly filing GSTR 3B as well as GRTR 1 . The same information was informed to the other two Regional Centers in the state of Andhra Pradesh namely Waltair Regional Center and SHAR Regional Center.

GSTIN No.: 37AAAI1126Q1ZJ

ACTIVITIES OF STUDENT CHAPTERS

X. IChE RVR&JCCE Student Chapter

Expert Lectures Organized

S. No	Name of the Speaker	Date	Topic	Address
1	Sri G.Venu Babu	25-06-2018	Awareness on Energy Conversation	Asst. General Manager Head of the Technical Service Department Hetero Lab's Ltd, Hyderabad
2	Sri R.Banerjee Babu	28-07-2018	what the students have to do before Industrial visit	General Manager-(Production) JOCIL Limited, Dokiparru Guntur (Dist.)
3	Dr. G.S.V. Ratnam	27-08-2018	Impact of Chemical Engineers on the society	Senior Principal Scientist, Chemical Engineering Department Central Leather Research Institute, Adyar, Chennai
4	Sri V. Phani Kumar	14-02-2019	Role of Chemical Engineering in Payment Solution Industry (ATM)	General Manager NCR Corporation Private Ltd. Pondicherry – 607402.

5	Sri Vanama Vikram	25-02-2019	Application of Chemical Principles in Pharmaceutical Industry	Director for Technical Operations Business Development Trimax Biosciences Private Ltd. Bangalore -584134 Karnataka
6	Dr. A.Sarath Babu	02-03-2019	Chemical Engineering in Service of Humanity	Professor Department of Chemical Engg. National Institute of Technology (NIT), Warangal

Industrial study tours organized

S.No.	Date	Class	Industries Visited
1.	09-01-2019	III/IV B.Tech First Semester	M/s KCP Limited, Macherla, Guntur (Dist.), Andhra Pradesh
2.	02-01-2019	IV/IV B.Tech Second Semester	M/s. Andhra Sugars Ltd., Tanuku., West Godavari (Dist.), Andhra Pradesh
3.	29-09-2018	II/IV B.Tech First Semester	M/s. Sri Dhanalakshmi Group of Industries, Ganapavaram, Chilakaluripet, Guntur (Dist.), Andhra Pradesh
4.	10-07-2018	II/IV B.Tech First Semester	M/s. JOCIL Ltd., Dikiparru, Medikondur(M), Guntur (Dist.), Andhra Pradesh

IChE RGUKT Nuzvid Student Chapter

XI TECKZITE 2K19

As a part of “TECKZITE 2K19” organized by RGUKT, Nuzvid, a three day student activity was organized by IChE RGUKTN student Chapter during 15-17 February, 2019. Total number of registered student participants is 186 from different Colleges.

During the same period a two day workshop was conducted on ASPEN HYSIS. The total number of participants from different Colleges for the workshop is 85.

Following are the Judges for different student activities:

1. Mindi Ramakrishna, Asst. Professor, RGUKT, Nuzvid
2. Raviteja Naidu, Asst. Professor, RGUKT, Nuzvid
3. Chintayya Naidu Rudram, Asst. Professor, RGUKT, Nuzvid
4. Srinivas Rachakonda, Asst. Professor, RGUKT, Nuzvid
5. Madhusudana Reddy Mule, Asst. Professor, RGUKT, Nuzvid

Details of student activities organized

DEMONSTRATIA (Paper Presentation):

Place	Name of the Students	College
1 st Place	Ms. N.Naga Lakshmi Mr. R.Teja	RGUKT, Nuzvid

2 nd place	Mr. S.Vamsi Krishna Mr. R.T.Satya Avinash	RVR & JC College of Engineering(A), Guntur
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PLAKAT (Paper Presentation):

Place	Name of the Students	College
1 st Place	Mr. N.Siva Srinivas Mr. M.Govardhana Rao	RGUKT, Nuzvid
2 nd place	Ms. B.Chandrika Ms. B.Akhila	RGUKT, Nuzvid

CHEMIVARNAN:

Place	Name of the Students	College
1 st Place	Mr. T.Rambabu Mr. K.Vijaya Satya Narayana	RGUKT, Nuzvid
2 nd place	Mr. V.Siva Mr. A.Sai Naresh	RGUKT, Nuzvid

CHEM VYUH (Treasure Hunt):

Place	Name of the Students	College
1 st Place	Mr. M.Arjun Sai Prasad Mr. K.Siva Reddy Mr. K.Manoj Ms. P.Syamalamba Mr. S.Vamsi Krishna	RGUKT, Nuzvid
2 nd place	Mr. V.Ajay Mr. P.Areff Ms. M.Bhargavi Ms. B.Naga Chandi Priya Ms. S.Leela Anukruthi	RGUKT, Nuzvid

CODE CRUNCH:

Place	Name of the Students	College
1 st Place	Mr. V.Ajay Ms. B.Naga Chandi Priya	RGUKT, Nuzvid
2 nd place	Mr. K.Santhoshi Mr. K.Surya Narayana	RGUKT, Nuzvid

CHEM SIGHT:(Model Expo):

Place	Name of the Students	College
1 st Place	Mr. K.Rama Krishna Mr. P.Areff	RGUKT, Nuzvid

2 nd place	Ms. S.Pavani Ms. V.Kumda Valli Ms. M.Bhargavi	RGUKT, Nuzvid
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CHEM INTELLECT: (Technical Quiz):

Place	Name of the Students	College
1 st Place	Ms. P.Syamalamba Mr. K.Surya Narayana Mr. P.Veera Babu Ms. Ch.Neeraja	RGUKT, Nuzvid
2 nd place	Mr. R.Teja Mr. G.Anil Kumar Mr. S.Mohan Kumar Mr. K.Vijaya Satya Narayana	RGUKT, Nuzvid

Awards

IChE Guntur Regional Center/Amaravati Regional Center was bestowed with **Second Best Regional Centre** award for the year 2018 under B Category Regional Centers.

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



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