



# INDIAN INSTITUTE OF CHEMICAL ENGINEERS

## HYDERABAD REGIONAL CENTRE



Cordially invite you to the

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

(Instituted by Sri Anantha Chary, CMD, Elbit Medical Diagnostics Ltd,  
in memory of his father)

by

### **Dr. NUDURUPATI SAIBABA**

Distinguished Scientist  
Chairman & Chief Executive  
Nuclear Fuel Complex, DAE, GOI  
Hyderabad  
on

**“Advances in Nuclear Technology for Common Man”**

### **Sri SHYAM BANG**

President, IICChE &  
Executive Director  
Jubilant Life Sciences Ltd., Noida (UP)

will be the Guest of Honour

on

**16<sup>th</sup> June 2016, Thursday at 10.30hrs**

### **VENUE**

NFC Guest House, Gurukul,  
Opp. NCCCM, Behind ECIL Training Center,  
NUCLEAR FUEL COMPLEX, Hyderabad

## PROFILE OF LATE M. P. CHARY



Sri M. P. Chary was a multifaceted personality. He could be described as a pioneer, innovator, bold, humble visionary and industrialist. But, the most enduring of all, was his humility and ethical values. His numerous talents and genius was firmly grounded in abundant 'common sense'. His ability to find uncanny and simple solutions to complex issues and problems was his great strength.

Coming from a small town with rural background, Mr. Chary embarked into the exiting world of pharmaceuticals after completing his graduation in science, starting with IDPL in Hyderabad. His pioneering and entrepreneur spirit motivated him to venture into manufacturing low cost detergents, but could not sustain, due to the lack of sales and marketing expertise. The setback taught him invaluable lessons in entrepreneurship. His resolve to make it big on his own was reinforced.

He went back to the pharmaceutical industry as part of the extraordinary team of technopreneurs which included Dr. K. Anji Reddy in Uniloids, India's first private sector Bulk drug manufacturing unit. The foundations of the bulk drug capital which now, Hyderabad is rests on the foundations laid for Uniloids. The rest as the saying goes is history. Mr. Chary's outstanding contribution during his stint in Uniloids and later in Standard Organics, in setting up the largest sulphamethoxazole manufacturing facility in the world has no parallel. Mr. Chary's technical geniuses and general management capabilities were tested and flourished during this phase.

A new beginning was made 1984, when along with Dr. K. Anji Reddy and Mr. Chary as the founding Managing Director, established Dr. Reddy's Laboratories Limited (DRL) in Hyderabad. This extraordinary combination of a visionary and enterprise builder, between Dr. Reddy and Mr. Chary as the CEO went on to create the most admired Pharmaceutical Company in India. DRL became synonymous with pioneering spirit, innovation and outstanding execution. Today, the world acknowledges DRL's contribution to the Indian Pharmaceutical industry while the company is emerging to make its presence felt on the global arena. During this phase (1984-1996) Mr. Chary emerged as a true business leader and industrialist.

Mr. M. P. Chary parted from DRL in 1996 while he was the Vice-Chairman of the company to setup his own enterprise. The beginning of Chary's Group was laid. He took on the challenge of building new enterprise while keeping away from pharmaceuticals. As an entrepreneur, industrialist established "Chary's Group" consisting of Elbit Medical Diagnostics Limited, Magene Life Sciences Private Limited, Globarena Technologies Private Limited.

As founder and Chairman of the listed companies, Late M. P. Chary excelled as an entrepreneur and visionary. He was totally involved in guiding, directing and building new companies till his sudden demise in September 2005. He has left behind a great legacy and inspiration. As a business leader Mr. Chary has not only setup pioneering knowledge driven industries but has left behind a team of outstanding professionals who are capable and committed to realize his dreams.

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### Student Chapters of IICHe-HRC:

1. University College of Technology, Osmania University, Hyderabad
2. Department of Chemical Engineering, National Institute of Technology, Warangal
3. Department of Chemical Engineering, Chaitanya Bharati Institute of Technology, Hyderabad
4. Department of Chemical Engineering Padmasri Dr. B.V.Raju Institute of Technology, Narsapur, Medak
5. Department of Chemical Engineering, Anurag Group of Institutions-CVSR, Ghatkesar, Hyderabad
6. Department of Chemical Engineering, BITS Pilani, Hyderabad Campus, Hyderabad
7. Department of Chemical Engineering, JNTU College of Engineering, Anantapur (JNTUCEA).

IICHe student Chapter JNTUCE Anantapur had organised the Second Annual Session of Students Indian Chemical Engineering Congress (SCHEMCON-2006) and this mega event was a great success. Student Chapter of Padmasri Dr. B.V.Raju Institute of Technology, Narsapur will be organising SCHEMCON-2016 during 10-11 September 2016.

## HYDERABAD REGIONAL CENTRE INDIAN INSTITUTE OF CHEMICAL ENGINEERS

The Indian Institute of Chemical Engineers with its Head office at Kolkata and its 39 Regional Centres spread throughout the Country holds National and International seminars, workshops and meetings so that its members can learn, understand and interact among themselves. Some of the goals of the institute are to promote the advancement of Chemical Engineering Sciences and to maintain professional standards among its members. Further, it serves as authoritative body on matters concerning the teaching and profession of Chemical Engineering and also publishes journals. The institute conducts examinations, awards donations, scholarships and certificates to such persons as may be deemed fit.

Hyderabad Regional Centre (HRC) with its office at 3-6-237/611, La'Builde Lingapur House premises, Himayatnagar has involved in many activities such as organising seminars, lectures and conducting industrial tours etc. HRC has successfully conducted the 23rd and 39th Annual Indian Chemical Engineering Congress in the years 1970 and 1986 respectively. It has also conducted 55th Annual Indian Chemical Engineering congress CHEMCON-2002, in December 2002 under the stewardship of Dr. K. Anji Reddy, Dr K. V. Raghavan and Prof. S. Venkateshwar. This event was a trendsetter in many ways and was a grand success, once again depicting the organising capabilities of the HRC.

HRC has organised many national seminars which include cement, pulp & paper, fertilisers, drugs & pharmaceuticals, safety in chemical industries, alcohol sources and industries, problems and prospects of pollution control in chemical industries in Andhra Pradesh-retrospect's and prospects of speciality chemicals and organised a seminar on "Nuclear Materials and Seamless pipe products", in September 2005. Organised a national seminar on "Profile of Zirconium Industry in India", in September 2007 as a part of the Diamond Jubilee celebrations of IIChe and also conducted a national seminar on "Green process Technologies", in April 2010 as part of the Golden Jubilee celebrations of HRC. HRC has conducted a national level seminar on Advances in Chemical Engineering in 2016.

Mr. Anantha Chary, CMD, Elbit Medical Diagnostics Ltd had instituted endowment fund with HRC for the promotion of awareness of Chemical Engineering and to give a platform for sharing/informing among the community in memory of his father Late M. P. Chary, a scientist and an entrepreneur, Ex. Managing Director of Dr. Reddy's Laboratories Limited. HRC has been conducting Late M. P. Chary Memorial Lecture since 2008 for the last six years delivered by distinguished personalities as given: Inaugural lecture was delivered by Dr. A.V. Rama Rao, former Director, CSIR-IICT in the year 2008. The Second lecture was delivered by Dr. K.V. Raghavan, former Director, CSIR-IICT in the year 2009, the Third lecture was delivered by Sri D.P. Misra, former Director, TCE in 2010, and the Fourth lecture was delivered by Sri K. Venkataramanan, President (operations) L&T Limited in 2011. Fifth lecture was delivered by Dr. K. Sainath, Managing Director, Clair Engineers Pvt Ltd in 2012. Sixth lecture was delivered by Prof. G.D. Yadav, Vice Chancellor, ICT, Mumbai in 2013. Seventh Lecture was delivered by Dr. P. Parthasarathy, Managing Director of E-PARISARAA Pvt Ltd, Bangalore in 2014. The Eighth lecture was delivered by Prof. J. B. Joshi, former Director of ICT, Mumbai in 2015.

Catch them young is a slogan which is apt for a professional body and the students who are going to be the pillars of our profession are inducted into the main arena through innovative schemes. All colleges are encouraged to start the student's chapters. HRC has been conducting number of programs for the student chapters affiliated to it and the prizes are given.

## ABOUT THE SPEAKER



**Dr. Nudurupati Saibaba**

Dr. Nudurupati Saibaba is a distinguished Scientist and Chairman & Chief Executive of Nuclear Fuel Complex (NFC) Hyderabad. Born on 24th May 1954 in Vishakhapatnam, Andhra Pradesh. He obtained his Bachelor's degree in Mechanical Engineering from College of Engineering, Andhra University(AU), Vishakhapatnam in 1975 and received Gold medal from AU for the first rank in college of Engineering. He completed PG Orientation Course in Nuclear Science and Engineering at BARC Training School in 1976 with a Gold Medal. He joined NFC in August 1976 as a Scientific Officer and he obtained his PhD degree in Nuclear Science and Engineering from HBNI. He went on to become Chairman and Chief Executive with his hard work and dedication. During last four years of his tenure, he placed Nuclear Fuel Complex on world map by creating world record production.

While working in NFC he developed Technologies for manufacturing many new equipments used in Nuclear Energy Field. His contributions in supplying of critical components of typical high end alloys for Nuclear Submarine, Brahmos Missiles, Tejas, Agnis, PSLVs earned highest accolades. Some of his measurable achievements are; developing an extremely thin walled Calandria Tubes for Pressurized Heavy Water Reactors (PHWR) through "Seamless Route" for the first time in the world, development of Pressure Tubes by Heat treated and Strengthened route to increase the life of the Nuclear Reactor from 25 to 40 years, development of clad tubes for PFBRs through a new route of powder metallurgy called Oxide Dispersion due to which India could join the select band of countries like Japan, France and Russia. He developed technology to manufacture very long tubes of over 25 meters at one third the cost of the imported tubes for the first time in India, and seamless tubes in 304H and Inconel 617 for Advanced Ultra Super Critical Boilers to enhance their thermal efficiency from 28% to 48% and decrease the coal consumption by 30%.

**His main achievement** was development of World's Highest PHWR Fuel Production of 1503 MT exceeding name plate capacity of 850 MT during the year 2016. He was also responsible for improving the recoveries of critical products like fuel clad, structural components thus saving huge revenue of hundreds of crores of rupees annually for the Department of Atomic Energy. He executed a project for establishing 500 TPY fuel manufacturing at Kota in Rajasthan with a capital outlay of Rs. 2000 cores.

He is known for excellent capitalization of intellectual assets and believes in punitive measures for malpractices and rewarding the excellence for the deserving. He has presented more than 100 conference papers at various national and international forums and delivered more than 30 key note addresses at various important conferences. He has won many Awards, notably among them are Bharat Ratna Sir Visveswarayya Award from the Institution of Engineers(India) in 2012, DAE leadership Award in 2006, 2009, 2010 and 2012. He is the Chairman of the Hyderabad Chapter of associations such as Indian Institute of Metals (IIM). He is a fellow of IChE, He is a executive member of Indian Nuclear Society. He is a fellow of Indian Society for Non-Destructive Testing and Andhra Pradesh Academy of Sciences, and Member of the Board of Directors of Indian Rare Earths Ltd. and Uranium Corporation of India. He is also a member of Indian Institute of Metals.

## PROGRAMME

10.30hrs	Welcome address	<b>Dr. Vijay Kale</b> Chairman, IICHe-HRC
10.45hrs	About Late M.P Chary Memorial Lecture	<b>Sri A. Bhasker Reddy</b> Past President, IICHe, Director, Enfab Industries
11.00hrs	Address by Guest of Honour	<b>Sri Shyam Bang</b> President, IICHe Executive Director, Jubilant Life Sciences Ltd.,
11.30hrs	9 <sup>th</sup> M. P. Chary Memorial Lecture	<b>Dr. N. Saibaba</b> Chairman & Chief Executive, NFC
12.45hrs	Presentation of Memento	<b>Sri Anantha Chary, CMD</b> Elbit Medical Diagnostics Ltd.
12.55hrs	Vote of thanks	<b>Sri M. Misra</b> Hon. Secretary, HRC
13.00hrs	Lunch follows	