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DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT 1956; ELITE STATUS AND CENTRE OF EXCELLENCE BY MAHARASHTRA GOVT. CATEGORY I INSTITUTE BY MHRD/UGC WITH GRADED AUTONOMY

THE VICE-CHANCELLOR AND THE CHANCELLOR

ON BEHALF OF

THE BOARD OF MANAGEMENT OF ICT & UDCT ALUMNI ASSOCIATION (UAA)

CORDIALLY REQUEST THE PLEASURE OF YOUR COMPANY FOR LAYING OF FOUNDATION STONE

OF

INSTITUTE OF CHEMICAL TECHNOLOGY MUMBAI MARATHWADA CAMPUS JALNA

ON FRIDAY, 4 MAY, 2018 AT 11.30 A.M.

BY
SHRI DEVENDRA FADNAVIS
HON'BLE CHIEF MINISTER, GOVERNMENT OF MAHARASHTRA

SHRI RAOSAHEB DANVE HON'BLE MEMBER OF PARLIAMENT, JALNA WILL BE THE GUEST OF HONOUR

SPECIAL INVITEES WILL BE

SHRI BABANRAO LONIKAR	SHRI ARJUNRAO KHOTKAR	SHRI SANJAY JADHAV
Hon'ble Minister, Water Supply	Hon'ble Minister of State	Hon'ble Member of Parliament,
& Sanitation, Guardian Minister,	Animal Husbandry, Dairy	Parbhani
Jalna	Development & Fisheries	
	Development	
SHRI VIKRAM KALE	SHRI SATISH CHAVAN	SHRI SUBHASH ZAMBAD
Hon'ble MLC	Hon'ble MLC	Hon'ble MLC
SHRI RAJESH TOPE	SHRI SANTOSH DANVE	SHRI NARAYAN KUCHE
Hon'ble MLA	Hon'ble MLA	Hon'ble MLA
SMT. SANGEETA GORANTYAL		SHRI ANIRUDDHA KHOTKAR
Hon'ble President,		Hon'ble President, Jilha Parishad,
Municipal Council, Jalna		Jalna

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Professor G.D. Yadav Vice-Chancellor, ICT Dr. R.A. Mashelkar Chancellor, ICT





ICT SUPERSTARS





Padma Bhushan (LATE)
Professor K.
Venkatraman,
First Indian Head and
then Director, UDCT
(1938-1957)



Padmashri (LATE) Dr. G. P. Kane, Head and Professor of Chemical Engineering (1943-1954)



Professor (LATE) J.G. Kane, R T Mody Professor of Chemical Technology & Director (1969-1971)



Padma Bhushan (LATE) Professor B. D. Tilak, Former Professor of Dyestuff Technology, UDCT: Director, NCL, Pune (1966-1978)



Dr. K. H. Gharda,Chairman and Managing
Director,
Gharda Chemicals Ltd.



Padmashri Dr. A. V. Ramarao, Former Director, IICT, Hyderabad and Founder Chairman, AVRALAB, Hyderabad



Padma Bhushan Dr. K. Anji Reddy, Founder Chairman, Dr. Reddy's Laboratory, Hyderabad



Padma Vibhushan Professor M.M. Sharma, FRS Professor of Chemical Engineering (1964-1997), Head (1964-1989), Director, UDCT (1989-1997)



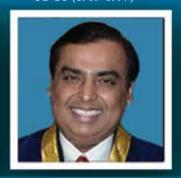
Padma Bhushan Dr. R.A. Mashelkar, FRS Director, NCL Pune (1989-1995), Director General, CSIR (1995-2006), First Chancellor, ICT



Shri Narotam S. Sekhsaria, Chairman, Gujarat Ambuja Cement Ltd.



Professor J. B. Joshi, Director, UDCT/UICT (1999-2009)



Shri Mukesh D. Ambani, Chairman and Managing Director, Reliance Industries Ltd.

During the 80th Foundation Year of the ICT, the achievers who made truly outstanding contributions to the growth and glitter of the institute were honoured as The ICT Superstars.

November 24, 2012















Historical Moment on 4th May 2018: Foundation Stone Laying Ceremony for ICT Mumbai Marathwada Campus Jalna

Today is a monumental day in the history of ICT Mumbai, its second campus outside Mumbai will be established officially in the presence of a galaxy of dignitaries, industrialists, faculty, alumni, students, support staff and well wishers. A historical perspective is needed for future generations to understand the significance of the Day. The Chamber of Marathwada Industries and Agriculture (CMIA) had approached the CM sometime in January 2016 that a sub-centre of ICT should be established in Marathwada region near Aurangabad in view of the relevant industries in that region. CMIA office bearer met the Vice Chancellor to find out his views and take it to higher authorities. This day would not have been possible but for the initial suggestion by Hon'ble Chief Minister of Maharashtra, Shri DevendraFadnavis, who was the Chief Guest for the 5th Convocation of ICT in March 2016. During his speech the Vice Chancellor Professor G.D. Yadav requested him to allot land for ICT's expansion near Mumbai, the CM asked him to explore the possibilities of having it in Marathwada region. The ball was set in and immediately after inspection of land near Aurangabad, followed by meetings with CMIA and UDCT Alumni Association Aurangabad Chapter, a proposal was made to the Government for establishment of Marathwada Centre. It was discussed and accepted by the Maharashtra Cabinet on 4th October, 2016 in the meeting held in Aurangabad. Thereafter, the Higher and Technical Education Department swung into action, and land of 203 was allotted at Siraswadi near Jalna and

ICT Mumbai campus



Prof. G D YadavVice-Chancellor & R.T. Mody Distinguished Professor
J. C. Bose National Fellow
Institute of Chemical Technology, Mumbai

The industrial growth of Marathwada needs highquality manpower for petroleum, petrochemicals, polymer, pharmaceuticals, materials, food and allied industries.

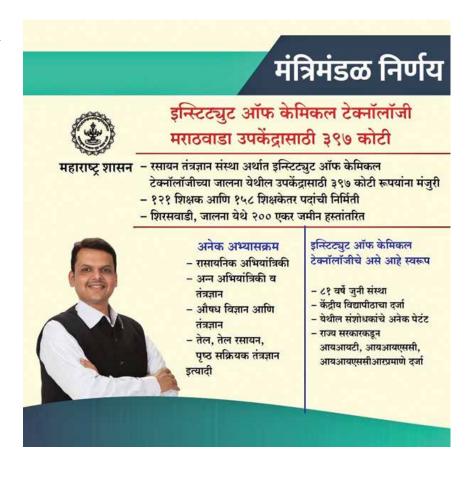
We are immensely pleased to launch the Institute of Chemical Technology Mumbai- Marathwada Campus in the august presence of the Hon'ble Chief Minister of Maharashtra Shri. Devendra Fadanvis and Shri Raosaheb Danve, Hon'ble Member of Parliament, Jalna. The Campus will offer innovative programmes leading to integrated M. Tech. with alternate trimester in industry, Executive M. Tech. and Ph. D. degrees.

ICT Mumbai's past record of 84 years, producing scores of world-renowned academics, 500+celebrated entrepreneurs and 19 Padma

awardees is a testimony of its standing among branded institutes. The overwhelming support of the Government of Maharashtra and all officials will make this new initiative a grand success and change the path of technical education. We dedicate this new campus to the nation with great planning, fervour and commitment.

This is a dream cum reality for ICT which would not have been possible but for the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi and Hon'ble Chief Minister of Maharashtra Shri Devendra Fadanvis who saw the uniqueness of ICT and firmly believed that it should spread its wings beyond Mumbai for the benefit for the nation at large. It will catapult into industrial growth and generation of entrepreneurs.

documents were handed over to the Registrar, ICT, Prof SmitaLele, on 13th May, 2017 by the Chief Minister in a public function. Thereafter, once again in a public meeting held in Jalna on 16th October, 2017, Prof Yadav unveiled the plans for the Marathwada with campus innovative programme for which Hon'ble CM Shri Fadnavis and Hon'ble MP Shri RaosahebDanve, President of Maharashtra Unit of BJP and several MLAs, authorities from local bodies were present. However, the budget was not sanctioned. A very meticulous follow up was done to get the budget sanctioned by the Cabinet in its meeting held on 24th April 2018. The CM's tweet speaks volumes about these efforts.



The ICT Brand

Institute of Chemical Technology, Mumbai (ICT) is a World Class Deemed University having an elite status and Centre of Excellence on par with IITs/IISc/IISERs which was granted by the State Assembly on October 20, 2012; a unique distinction in history of India. ICT's track record of 84 years is phenomenal. ICT is ranked among the best in India having the highest NAAC rank of A++ with CGPA of 3.77. It was declared at Category I institute by MHRD/UGC Notification (The Gazette of India dated Feb. 12, 2018; University Grants Commission [Categorisation of Universities (Only) for Grant of Graded Autonomy] Regulations, 2018. F. No. 1-8-2017(CPP-II)). On 3rd April, 2018, The National Institutional Ranking Framework (NIRF) of MHRD placed ICT at No.10 in Engineering, No. 4 in Pharmacy, No. 19 among Universities and No. 30 among all. In 2016 NIRF ICT was placed at No. 2 among Universities; the only state funded institute being recognized among all top 25 universities. The Web of Science, an international agency, showed in September 2016 that based on the normalized citation index, ICT was ranked number one, ahead of IISc and IITs, and central universities. In QS BRICS 2018 ranking, ICT secured 118th rank among all with 100/100 marks for research and innovation, along with IISc Bangalore and IIT-Delhi. Once again in the Scopus Survey April 2018, ICT is found to be the top most using the Weighted Average Citation Impact in the country.

Establishment of ICT Mumbai IndianOil Odisha **Bhubaneswar Campus**

On March 18, 2018 marked a unique milestone in the chequered history of 84 years of the Institute of Chemical Technology (ICT), Mumbai which crossed for the first time the confines the State of Maharashtra and entered the beautiful and benevolent State of Odisha. ICT is indeed fortunate that the launching of the





Devendra **Fadnavis** Chief Minister. Maharashtra

After aquiring knowledge, if it's not put to the use of society, the knowledge is of no use. We are one of the youngest nations or youthful nations in the entire world. And we will remain so: for the next 20 to 40 years. We will be able to provide the human resource to the entire world. And if the entire world economy is enriched and fueled by the Indian minds, brains, hands, our dream to be one of the developed countries in the world can be accomplished.

We have a lot of opportunities and challenges as well. On one hand, the agriculture sector needs a lot of innovation, it needs a lot of capital, a lot of efforts and initiatives. On the other hand, we need a lot of technologies to be infused in our cities, so that the lives of urban people can be scaled up.

Ultimately, if you really want to work on the challenges, the disruptive technoloies is a solution where one single technology changes the life of people. This institute can produce so many alumni of which we can take pride of.

I would also like to request the Honourable Chancellor and Vice Chancellor that they should also look at creating such institutions elsewhere in Maharashtra.

> - (Excerpt from the 5th Convocation speech, March 2016)

Institute of Chemical Technology, Mumbai IndianOil Odisha Campus (ICTMumbai-IOC), Bhubaneswar was done at the hands of Hon'ble Shri Ram NathKovind, the President of India in the august presence of Hon'ble Shri S.C. Jamir, Governor of Odisha; Hon'ble Shri Dharmendra Pradhan, Union Minister for Petroleum and Natural Gas, Skill Development and Entrepreneurship, and a galaxy of bureaucrats, distinguished academics and citizens, stalwarts from industry and wellwishers from across the country. It was a fortuitous coincidence that the ceremony was held on the premises of the Indian Institute of Technology, Bhubaneswar immediately after its 6th Annual Convocation. One Brand welcoming another Brand; such occasions are rare and distinct! March 18, 2018 was a special day in Maharashtra. It wasGudhiPadwa, Chaitra Prathama, beginning of the New Year. Thus, ICT is having a new Foundation Day of ICTMumbai-IOC. To quote Rig Veda:

Aa No BhadraKrutuvoYantuViswata

The idea of having ICT campus in Bhubaneswar was conceived in 2016 and a few meetings were held with Odisha Govt. officials for allocation of land and funds since ICT is a State Govt. owned institute but being a deemed university can go





Prof. Jean Marie Lehn Noble Laureate, Professor at Collège de France in Paris

Chemistry plays a central role both in natural sciences and in knowledge. Without chemistry, many acheivements we consider as very basic would not be recognized. It contributes to meet your needs and food and medication and clothing and shelter in energy and raw material. It supplies material for Physics. It makes models and substrates for biology and pharmacology. It is a science of matter and energy transformation.

Science education in our schools and colleges must be a major priority to train the researchers and discoveres tomorrow, to develop scientific spirit and attitude, it is my strong opinion that the scientist have first of all general responsibility to prove. Many of you must have heard about Leonardo da Vinchi. When he wrote, where nature finishes to produce own species, man begins using natural things. By this, I mean elements of the universe. Development of science is an irreversible process. We must walk the way from the conquest of knowledge to the control of our own destiny.

- (Excerpt from speech delivered while accepting D.Sc. (Hon. Causa))



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beyond the boundaries of the State.

The initial investment for establishing the first phase in temporary campus is around Rs 100 Crore. ICT has applied to the State Govt. for 100 acres of land for setting up full-fledged campus with an approximate investment of Rs 500 Crore for establishing world class institute with latest facilities and equipment. The construction of this new campus will be started as soon as the land is allocated. IOC is committed to assist ICT in this regard. Number of students to be trained in this institute after setting up will be around 2000 students including graduates, M .Tech.s and PhDs. Highly accomplished faculty will be recruited including superannuated scientists and engineers from industry.

The manpower being trained in this institute will cater to chemical, energy, materials and bio-tech industries including sectors of petrochemicals, textile, pharmaceutical, food & food processing industries, etc. for industries in Eastern Region. The first academic session of the maiden programme of the IOC-ICT campus is staring from this academic session.

85th Foundation Day Celebration

On the occasion of the celebration of ICT's Foundation Day, October 1, which was held on October 7, 2017, Hon'ble Shri Dharmendra Pradhan, Union Minister for Petroleum & Natural Gas, Skill Development and Entrepreneurship was the Chief Guest, who had the opportunity to visit some of the laboratories and research centres and to interact with faculty, students and alumni, and listen to the impeccable accomplishments. He greatly appreciated the importance of ICT in creating national wealth, intellectual property, development of high quality human resource, generation of new knowledge, technology transfer, and skill development in areas related to ICT's core strength, which have been grossly overlooked. He was highly impressed and during his address Hon'ble Minister



Dr R.A. Mashelkar (Chancellor, Institute of Chemical Technology)

Today is a momentous day for ICT. As an alumnus, I feel even prouder to see my alma mater spreading its wings beyond Mumbai (and hopefully beyond India in time to come) for the first time since it's birth in 1933.

ICT has its own brand having produced 19 Padma awardees and some of the greatest global achievers in academia and industry.

I salute the grand vision of our Chief Minister Shri Devendra Fadnavis. The unique support by the Government of Maharashtra to make this happen is unparalleled.

We promise to offer world class innovative programmes. We will also create a unique innovation hub for inclusive growth of higher education and industry in Marathwada. As Chancellor of ICT, I feel, this is the greatest achievement and the proudest moment in our history.



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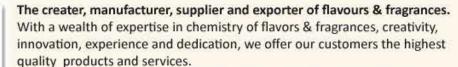


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emphasized the need to replicate the brand ICT in Eastern India and advised ICT to explore possibilities and potential for the benefit of the nation. He specifically mentioned that ICT should produce tomorrow's MukeshAmbanis and Mashelkars and the likes in the interest of India at large.

Petrochemicals Investors Conclave

Petrochemicals Investors Conclave was organized by IOC in Bhubaneswar during 15-16 November for which ICT Mumbai was chosen as the academic partner. The executives of all oil PSUs and Govt. secretaries from Oil and Natural Gas, Chemicals and Fertilizers and Skill Developments were present along with Hon'ble Shri Dharmendra Pradhan and Odisha State ministers. On 16th November, 2017, the Vice Chancellor of ICT Mumbai made a presentation on future of petrochemical, polymer, textiles and allied industries in India in the context of global scenario and the need for creation centre of excellence and human resource development in Odisha. He stressed upon the need of having brand ICT in Odisha in view of acute shortage of trained manpower for energy and petrochemical sector. An umbrella MOU was signed between IOC and ICT Mumbai for establishing ICT Mumbai campus in Odisha and for supporting research and innovation in all sectors related to refinery, petrochemicals and post-processing.

Genesis, Growth and Glamour

Having been established as the University Department of Chemical Technology (popularly called UDCT during yesteryears) by the University of Bombay (now Mumbai), on October 1, 1933 by the desire of government, industry and philanthropists, the Institute of Chemical Technology (ICT) Mumbai has made the India proud by having on its roll distinguished alumni, be they industrialists, bureaucrats, academicians, social workers, freedom fighters, who have come from all strata of society- the rich, the poor, the marginal, the socially disadvantaged and the underprivileged, from across the country. To its credit, ICT has so far produced 19 Padma awardees: 3 Padma Vibhushan, 8 Padma Bhushan and 8 Padmashri; a few billionaire industrialists among 500+ first generation entrepreneurs, topmost science and engineering bureaucrats, and brilliant academicians who have served the nation in various policy making committees and won many international honours and prestigious fellowships. Some of them are well known to the masses - Shri Mukesh D. Ambani, CMD, Reliance Industires, Padma Vibhushan Dr R.A. Mashelkar (former DG, CSIR), Padma Vibhushan Prof M.M. Sharma (former Director, UDCT/ICT), Padma Vibhushan Dr HomiSethna (former Chairman, AEC), Padmashri Dr K.H. Gharda (CMD, Gharda Chemicals), Padma BhushanDr. K. Anji Reddy (Founder CMD, Dr Reddy's Laboratory, Hyderabad), Padma Bushan Dr A.V. Ramarao (former Director, CSIR-IICT



Ch. Vidyasagar Rao Governor of Maharashtra and Tamilnadu

ICT was placed at second position among all Indian leading universities in April 2016. Further, it was ranked number 1 among premier universities Indian Institute of Science and all IITs in september 2016. It's immense pride that the Institute enjoys a global standing of number 4 among all chemical engineering programs.

ICT was once a Department of University of Mumbai. It was then known as UDCT. It's a classic example of how autonomy could be used to transfer our centres of excellence.

Recognizing the important work of ICT the Government of Maharashtra has taken a decision - to allot 200 acres of land to ICT to build a satellite campus in Marathwada near Aurangabad, Jalna.

Govt. of India has launched many ambitious missions.

The role of University in these missions is going to be crucial since you have been working on solving problems.

It is necessary that we provide the best of education and skills to the youths to make them stakeholders and serve in nation's progress and development.

(Excerpt from the speech as Chief Guest for 6th Convocation of ICT)



Hyderabad and Chairman, AVRA Lab), Shri Madhukar Parekh (CMD, Pidilite Industries), Shri NarotamSekhsaria (Founder CMD, Gujarat Ambuja Cement), Shri ChandrakantGogri (CMD, Aarti Group) among many others. ICT has produced 6 CSIR directors and 1 Director General, and 1 Chairman, Atomic Energy Commission, and several bureaucrats and freedom fighters including Union Minister for Commerce Shri Manubhai Shah, a freedom fighter, in Pt Nehru's cabinet.

The current Chancellor Dr Raghunath A. Mashelkar (Padma Vibhushan, 2014) and Vice Chancellor Professor Ganapati D. Yadav (Padmashri, 2016) are world renowned Chemical Engineering scientists, technologists and academicians having been decorated with numerous fellowships and honours across the globe.

ICT: Culture, Creativity and Culture

- No. 1 in India, 4 globally in publications in Ch E
- 9 UG, 18 PG, 29 Ph D programs, 1 PGDCTM, 1CCCSRM
- 699 Ph D Students
- 450 Masters
- 1100 UG students
- 360 UG Scholarship
- 140 Ph Ds awarded during 7th Convocation on 23rd Feb. 2018
- 100+ UG Summer Researcher Fellows
- Scholarships on basis of merit-cum means basis: Rs 10,000, 25,000, 45000, 70,000 to 1,00, 000 per student
- 10.27 Ph D per faculty
- Highest citation per faculty
- Annual citations per year more than 10,000
- 4 Fellows of INSA, NASI, IASc, INAE, 4 Fellows of TWAS, 4 JC Bose Fellows
- 23 Endowment Chairs; 15 UGCFR, 8 INSPIRE, 2 Ramanujam, 2 Ramalingaswami fellows
- 49 Endowment Visiting Fellowships
- 11 endowments for library
- India's five Ph Ds in E & T from ICT in 1941-42
- 468 papers: 2016-17
- 406 Patents filed in last 10 years
- 104 Projects including multinational
- Publications/faculty highest
- More than 500 first generation entrepreneurs
- 2 Ch E alumni FRS, London
- 100 % Tax benefit under Section 80G and 125% under 35(I) (II) 3 C, 3E, programmes under Corporate Social Responsibility



Professor M M Sharma FRS Former Director UDCT/ICT(1989-97), Emeritus Professor of Eminence

The University Department of Chemical Technology (UDCT) now the Institute of Chemical Technology (ICT), deemed university, was established as early as 1933 by the uncommon initiatives of the industrialists and philanthropists with very generous financial support via endowments of fairly large magnitudes. The ICT pioneered research from the very beginning, with an outstanding Library, which also now has its own endowments to partially support activities, with heavy emphasis on teaching, scholarly writing, and live connections with industry. Indeed the ICT is considered a role model for very active and rewarding interactions with industry. The ICT has an enviable record of graduating PhD's per faculty member.

It is most gratifying that the foundation stone of ICT Mumbai Marathwada Campus at Jalna is being layed by the hands of the Chief Minister of Maharashtra Shri Devendra Fadnavis.

I wish this most unusual. uncommon, but, exciting innovative endeavour, great success.

During last 10 years ICT has filed 406 patents of which 155 have been granted; including technology development and transfer to convert agricultural waste to 2G bioethanol with BPCL and HPCL, municipal solid waste to bio-oil and CNG with industrial partners. DBT is a partner in this section 8 company. Several technologies have been transferred to industry in chemicals, petrochemicals, foods, polymers and pharmaceutical sectors, as well as waste management under Swacch Bharat Mission.

The MHRD declared the National Institutional Ranking Framework NIRF rankings in 9 various categories. In the engineering category ICT Mumbai is ranked 10th and in Pharmacy it is 4th ranked. It is the only institute from Maharashtra to have figured in two different categories and is in top 10. The number of students, number of faculty members and overall funding and the research and innovation, publicity perception are considered. ICT is much smaller than all big centrally funded institutes and universities but per capita productivity of ICT is number one.



Recognition by Central and State Governments

ICT's standing and contribution to nation building has been recognised since beginning by the Union Govt. from time to time including visits by the First Prime Minister Pt. Jawaharlal Nehru and Chief Minister, Maharashtra Shri Y.B. Chavan (1959), Shri PrithvirajChavan, MoS PMO and MoSfor Science, Technology and Earth Sciences (May 15, 2010) and Chief Minister (March 7, 2012), Shri Srikant Jena, Minister for Chemicals and Fertilisers (May 11, 2011), Shri Pranab Mukherjee, President of India (Dec 27, 2013), Shri DevendraFadanvis, Chief Minister, Maharshatra (March 2016), Shri Suresh Prabhu, Railway Minister (Oct 2016), Shri Ch. M. Vidyasagar Rao, Governor Maharashtra (Feb. 2017),



Over the past several years, Robbert H Grubbs Noble Laureate, Victor and Elizabeth Atkins Professor of Chemistry, California Institute of Technology

I have the opportunity to learn the progress of Indian chemistry. It appears that India is going through a big transition and growth in the development of chemistry and chemical engineering. As academic scientists, we are entering a new world where the opportunity to be involved in translation of fundamental research and commercial products is not only possible but it's really encouraged. This close interaction between academia and commercial science and technology is very rewarding. For those who are not going to go into academia, very exciting jobs are opening into startups and lots of new enterprises may provide many many job opportunities. The possibilities today allow to work in wide range of fields from basic science to design and synthesise the material for medical devices.

It is upto you and your creativity, hard work to be able to push this field of chemistry and chemical engineering to new heights.

> (Excerpt from speech delivered while accepting D.Sc. (Hon. Causa))











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and Shri Dharmendra Pradhan, (Oct 2017). All of them have witnessed how a small State funded institute has carved a place for itself among leading institutions of national importance.

ICT Connectivity with Industry

The role of industry in promoting education and research at ICT has its roots in its foundation. Leading magnates from textile and chemicals industry and philanthropists donated funds to establish professor's positions and laboratories right from beginning and research started from the inception keeping faculty engaged in development of industry. It is matter of pride that the very first position created through endowment is R.T. Mody Distinguished Professor which the current Vice Chancellor occupies. Faculty used to offer free consultation to industry for its growth and many new industries were started by ICT graduates.

ICT has been closely working with industry ever since and government in the interest of the nation and currently have active MOUs with many national and international renowned universities in USA, Canada, UK, Germany, France, Australia, Finland, Spain, and foreign such as Mitsubishi, Huntsman, Unilever, Biorad, Coka Cola, Pepsico, Reliance, etc. (www. ictmumbai.edu.in). Bestowed with numerous awards and accolades, ICT has created a niche for translational research and technology development and transfer. ICT is not only a Chemical Engineering and Chemical Technology institute, dealing with all sub-sector, but also deals with Biological Sciences and Engineering, Materials and Energy Engineering.

Why ICT is in Marathwada?

India's economy is mainly agriculture based which is in transition towards industry based economy and the ultimate aim of the Indian economy is to become Knowledge Based Economy (KEB). The economy of Maharashtra is one of the fastest growing economies amongst various States in India. According to current economic survey, gross state domestic product (GSDP) is expected to grow at around 8.5% during current fiscal year. Education is the key enabler of economy of any State; in particular, higher technical education along with related research and innovation. In order to develop any State as preferred destination for industrial services, R&D, it is necessary to invest in training high-quality manpower and develop indigenous technology. This shall enable the State to seize the emerging opportunity and ensure a rate of satisfactory growth.



Professor Ryoji Noyori Noble Laureate, Professor, Nagoya University Japan

Scientific research is a long, endless journey of knowledge, but it is not the destination that is important. Rather, it is more meaningful to have many and diverse encounters along the way. Outstanding research fosters talented people and contributes to society. This is the value of scientific research.

Chemistry is limitless. While young people are full of curiosity, they tend to lose sight of their objectives. Eventually, I developed a keen interest in the handedness in chemistry, in what is known as molecular chirality. Numerous organic compounds have left and right chirality with the same chemical formula, and these are known as enantiomers. Notably, life depends on chirality. Because enantiomers can evince very different biological phenomena, this has profound implications for scientific research and industrial technology related to pharmaceuticals, agrochemicals, fragrances, and flavors. Thus the practical acquisition of pure enantiomers is essential. It was our task to make this difficult process possible.

We cannot walk alone. Our individual knowledge is inextricably bound to the combined knowledge of all humanity. The 20th century was an era of international competition, symbolized by war and economic rivalry. In the 21st century, however, we will have to cooperate globally for the survival of our species. Whatever we do, we must do our best.

- (Excerpt from speech delivered while accepting D.Sc. (Hon. Causa) on 23rd Feb. 2018)

Landmark Moment in development of Marathwada Region

Bhumipujan of World renowned Chemical Technology Institute at Jalna in Marathwada



INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI

Marathwada Off-Campus Centre, Jalna



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G D Agrawal (B. Chem. Engg.- 1980)



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संपूर्ण प्रकल्प ४०० कोटींचा

संजय देशमुख

जालना - जालन्यातील सिरसवाडी परिसरातील २०० एकर शासकीय गायरान जमीन आयसीटी अर्थात रसायन तंत्रज्ञान संस्थेला वर्ग करतांना जिल्हा प्रशासनाला मोठी कसरत करावी लागली. मात्र नंतर त्यात तोडगा निघून ही शासकीय जमीन प्रारंभी उच्च तंत्र शिक्षण विभागाला देण्यात आली आणि नंतर ही जमीन शिक्षण विभागाने स्वायत संस्था असलेल्या आयसीटीला वर्ग केली. एकूणच केवळ जागे अभावी ही संस्था जालन्यातून जाऊ नये यासाठी भाजपाचे प्रदेशाध्यक्ष तथा खासदार रावसाहेब दानबे, पालकमंत्री चवनराव लोणीकर आणि जिल्हाधिकाऱ्यांनी यासाठी विशेष प्रयत्न केले

जालन्यात येऊ धातलेल्या या रसायन तंत्रज्ञान संस्थेचे महत्व किती आणि कसे आहे याचा तपशील या संस्थेचे कुलगुरू जी.बी. यादव यानी मुख्यमंत्री ज्या दिवशी जालना दौ-यावर आले होते त्यांवेळी झालेल्या विकास परिषदेच्या कार्यक्रमा नमूद केला होता. ही संस्था भारतातीलच नन्हें तर आंतरराष्ट्रीय पातळीवर किती महत्वाची आहे हे विशव करतांनाच आजपर्यंत या संस्थेने प्रसिध्य उद्योजक मुकेश अंबानीसह अन्य बढे उद्याजक घडविले आहेत. या संस्थेला मंजूरी मिळून त्यातृत येल्या जुलैपासून अभ्यासक्रम सुरू करता यावेत यासाठी कुलगुरू श्री. यादव यांनी ६० कोटी रूपयांची मागणी केली होती. त्यानुसार ते पैसे लवकरच या संस्थेला मिळणार आहेत. विशेष म्हणजे कुलगुरू थावव यांनी या संस्थेला स्वायन

विद्यापीठाचा दर्जा देण्यासाठी तत्कालिन उच्च व तंत्र शिक्षण मंत्री राजेश टोपे यांची मोठी मदत झाल्याचे सांगण्यासही यादव विसरले नाहीत. एकूणच या संस्थेच्या माध्यमातून जवळपास १२० विद्याच्याँना वेगवेगळ्या विद्या शाखांमध्ये प्रवेश देण्यासाठी आवश्यक असलेला स्टाफ आणि साहित्याची जुळवाजुळव सध्या आयसीटीकडून सुरू असल्याचे सांगण्यात आले.

दावलवाडींत जागा घेण्याची तयारी

जुलैमध्ये या संस्थेचे अभ्यासकम सुरू होण्यासाठी विशेष प्रयत्न पालविले असून, दावलवाडी येथील महिको रिसर्च सेंटरच्या एक विभागात आयसीटीचे अभ्यासकम सुरू करण्यासाठीच्या हालवालींना वेग आला असून, आयसीटी तसेच महिको व्यवस्थापनाने याला हिरवा कंदील दर्शविल्यास येथे हे अभ्यासक्रम सुरू होऊ शकतात असे सांगण्यात आले.

मंत्री, मिश्रा आणि पांगरकरांम्ळे ही संस्था जालन्यात

येथील तरूण उद्योजक आशिष मंत्री आणि मनोज पांगारकर हे दोघेही विद्यार्थी याच आयसीटीतून शिक्षण पूर्ण केलेले आहेत. त्यामुळे त्यांना या संस्थेच भविष्यातील महत्व माहित आहे. त्यांच्याच जोडीला उद्योजक रितेश मिश्रा यांनी खासदार रावसाहेब दानवे तसेच पालकमंत्री बवनराव लोणीकर यांच्यासह आयसीटीचे कुलगुरू श्री. यादव यांच्याकडे पाठपुरावा केल्यानेच ही प्रतिष्ठीत संस्था जालन्याला लाभणार आहे.

Programmes to be run at ICT Mumbai Marathwada Campus Jalna

Integrated M. Tech. after 12th Standard (HSSC) of 5 years duration consisting of 15 trimesters with alternate term in industry, with major in Chemical Engineering and minor in 6 different disciplines. To ensure improved quality and industry relevance in curricula development for integrated M. Tech. (6 trimesters in industry and 9 in institute) in the field of Chemical Engineering as major branch with minor

- (i) Petrochemicals
- (ii) Foods Engineering & Technology,
- (iii) Pharmaceuticals Engineering,
- (iv) Lipid Technology
- (v) Polymers and Materials Engineering&Technology
- (vi) Speciality Molecules Engineering
- (vi) Energy Engineering

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1. Sir V. N. Chandavarkar

Vice-Chancellor and Founder of UDCT 1933 – 1939

- 2. Dr. R.B. Forster
 Oct 1933 to Oct 1938
- 3. Professor K. Venkatraman Oct 1938 to Aug 1957
- **4. Professor G.M. Nabar** Aug 1957 to Jun 1969
- 5. Professor J. G. Kane Jul 1969 to Sep 1971
- 6. Professor E.H.
 Daruwalla Sep
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- 7. Professor D. V. Rege Nov 1983 to Oct 16, 1986
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- **11. Professor T.K. Venkatesan** May 1,

 1998 to Oct 31, 1999
- **12. Professor J. B. Joshi**Nov 1, 1999 to May 28, 2009
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 2009 to Apr 2010, and
 thereafter
 as Founding Vice
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 till date



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 Personnel
- 2. Centre for Crystallization, Filtration and Drying
- 3. Centre for Eco-friendly Plastic Processing and Recycling
- 4. Centre for Food Processing and Quality Assurance
- 5. Centre for Green Technology
- 6. Centre for Herbal Technology and Natural Products
- 7. Centre for Interfacial Science and Engineering
- 8. Centre for Metabolic and Genetic Engineering
- 9. Centre for Nano Drug Delivery
- 10. Centre for Process Intensification and Innovation
- 11. Centre for Product Engineering
- 12. Centre for Promotion of Science and Technology
- 13. Centre for Risk and Hazard Management in Process Industries

- 14. Centre for Sustainable Energy Engineering
- 15. Centre for Sustainable Fertilizer Technology
- 16. Centre for Undergraduate Research In Engineering (CURIE)
- 17. Centre for Drug Discovery Engineering
- 18. Centre for Fibres and Textile Engineering
- 19. Centre for Infectious Disease Control and Prevention
- 20. Information Processing Centre
- 21. Centre for Water Research
- 22. Centre of Toxicological Studies
- 23. Entrepreneurship Resource Centre
- 24. Internal Quality Assurance Cell
- 25. Centre for Translational Research
- 26. Technology Transfer Cell
- 27. Technology Incubation Centre
- 28. Centre for Mathematical Sciences
- 29. Centre for Functional fluids and Tribology
- 30. Centre for Home and personal care Products
- 31. Advance Graphene Research Centre
- 32. Centre for Technology Forecasting and Public Awareness

आयसीटी 'ला जा

पढील शैक्षणिक वर्षापासून चार अभ्यासक्रम

स्रोफ फेरिकल टेक्सॅलॉस्ट्रे फे (आपसीटी) डपफेंट्र साराना येथे टीनले एकरवर वरले जान्तर आहे. यासाठी स्तरानारी आयसीटी करे वर्ग करण्या राती, तेथे शैक्षणिक वर्ष २०१८-१९मध्ये बार आध्यासक्रम सह केले जापार आहेत

उपवेदामारी बातन बिन्हारिकारी सर्पातचारे बागा दिली आहे, जातना जिल्हाचिकारी निवासस्थानाचसून अर्था-एक किलीमीटरवर ही जागा असून त्याची रागटपत्रे 'अयसीटी 'कडे को काण्यात सारी, कुरसमुक पदाओं डॉ. जो, डो.



ही प्रक्रिया प्राप्ती, निवृत्त संगालक नाते पेचार अहे, 'आपातपराम'साठी पूर्वी 'आपसीठी' उपकेंद्र मंजूर केले,

विकामधे विभागिय स्थित हाँ, जोता पश्चित्त्रमण एम, एम, तार्ज, प्रा. ए, वी. सरकारने जागुरात प्रध्यन दिल्यांनार विकासर वांत्री हो कागराधे पुरूषे केली. पीडल मामांनी उपस्थित होती. जाग माराज्यात्वात तेन निर्माण झाना तोल. अंटोमनस्टरमण्ये आर्थियत सोहट्यांना विकारमाने संस्तेच्या स्थारणी प्रक्रियेता त्यांनेतर राज्य सरकारने जालन्याता

वारपुराचा स्वरूपात ४ अभ्यासक्रम सुर

- 1. Integrated M. Tech. after 12th Standard (HSSC) of 5 years duration consisting of 15 trimesters with alternate term in industry, with major in Chemical Engineering and minor in 6 different disciplines. To ensure improved quality and industry relevance in curricula development for integrated M. Tech. (6 trimesters in industry and 9 in institute) in the field of Chemical Engineering as major branch with minor in Petrochemicals, Polymers and Materials, Lipids, Foods and Pharmaceuticals, and Energy Engineering. The last two trimesters will be for promotion of experimental and design project to promote entrepreneurship and start-up companies.
- 2. Executive M. Tech. (6 trimesters, 2 years, alternate trimester in classroom) for industrial personnel
- 3. Ph. D. programmes in various disciplines.
- 4. Centre of Excellence in Research and Innovation.

All these programmes are new and being introduced in India for the first time. During the industrial internship the student will receive stipend from industry making the education affordable to one and all. The campus will be equipped modern equipment for carrying out high class research and innovation at Centres of Excellence to develop technology and to support Research & Development in industry and Skill Development in Chemical Engineering, Petrochemicals, Textiles, Polymers, Pharmaceuticals, Energy, etc.



Dr Anil Kakodkar Former Chairman, Atomic Energy Commission, Chairman, Rajiv Gandhi Science & Technology Commission, GoM Chairman, Technology Information, Forecasting & Assessment Council

Compliments on the occasion of laying the foundation stone of the ICT, Mumbai Marathwada off-Campus Centre, Jalna on 04th May 2018.

Institute of Chemical Technology through its high quality research and teaching as well as deep industry engagement has established itself as a top chemical engineering university of high global standing. The institute has been pursuing research on problems of key national importance in areas such as value added chemicals, energy, biotechnology, pharmaceuticals and others. Several industries in these domains have benefitted from research at ICT apart from the contributions made by its students and faculty. DAE research institutions e.g. BARC and IGCAR have been collaborating with ICT for over 15 years on large number of challenging projects.

Indian Oil Corporation, has already helped ICT for its campus in Bhubneswar, Odisha.

The encouragement by the Government of Maharashtra to establish Marathwada capus at Jalna will clearly boost technology led growth of education and knowledge led growth of this region.

My best wishes to this endeavour.

Landmark Moment in development of Marathwada Region

Bhumipujan of World renowned Chemical Technology Institute at Jalna in Marathwada



INSTITUTE OF CHEMICAL TECHNOLOGY, MUMBAI

Marathwada Off-Campus Centre, Jalna



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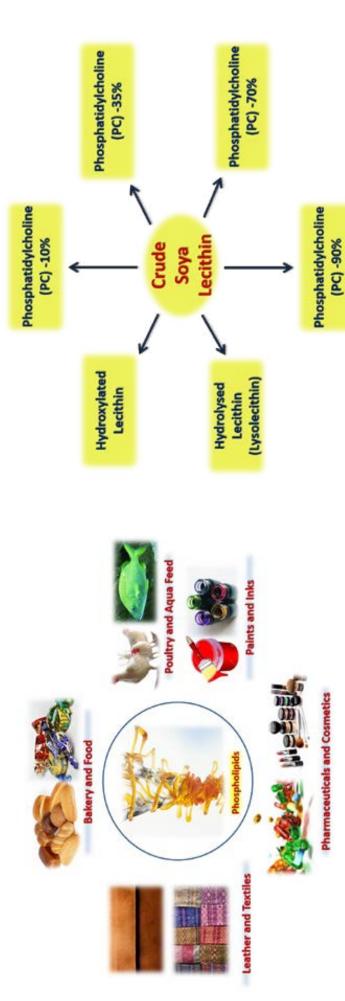
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Ashish Mantri (B. Chem. Engg. – 1997) With Best Compliments From

Manufacturer and Supplier of Food Grade and Animal Feed Grade Lecithin Products



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PHON: 0240-2564336, MOBILE NO: 9422208787
OFFICE: 5-5-75, OPP. OSMANOPURA BUS STOP
OSMANPURA, AURANGABAD - 431 005

email: priyapolymer70@gmail.com. gulati.ranjeet@gmail.com

Landmark Moment in development of Marathwada Region

Bhumipujan of World renowned Chemical Technology Institute at Jalna in Marathwada



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विद्यापीठ गीत

श्री रसायन देविका

उद्घोष तुझा जयघोष तुझा उत्कर्ष तुझा जल्लोष तुझा संघर्ष नको संहार नको संदेश तुझा उपदेश असे रसायन देविके श्री रसायन देविके ।। १ ।। विज्ञानाची एकच भाषा विज्ञानाच्या दाही दिशा नकोत सीमा विज्ञानाच्या जैव रसायन मीलना दे ध्यास हा मतिवर्धिने रसायन देविके श्री रसायन देविके ।। २ ।। नको प्रदूषित भूजलवायु विपुल अन्न अन् उदंड आयु रोग नको अन् नको त्रुटीही अखंड ऊर्जा निर्मळ पाणी अक्षर हरिते जगन्माते रसायन देविके श्री रसायन देविके ।। ३ ।। मूर्तिमंत तू कीर्तिरक्षिके जगन्मान्य तू महन्मंगले अभियंती अन् रत्नपारिखे शतप्रणाम हो तुज नायिके नवक्षितिजे तव चेतना ही रसायन देविके श्री रसायन देविके ।। ४ ।। गणगणश्री तणतणश्री जैवशिवश्री सृष्टिधारिके रसायन देविके श्री रसायन देविके वंदु गणनायिके श्री रसायन देविके ।। ५ ।।



कवी : प्राध्यापक डॉ. जी. डी. यादव

दिनांक २७ फेब्रुवारी २०१२ कुलगुरू, रसायन तंत्रज्ञान संस्था (प्रथम दीक्षांत समारंभ दिनी प्रकाशित दिनांक ६ मार्च, २०१२) (All right reserved by ICT)



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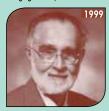
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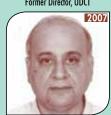
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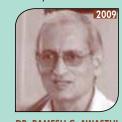
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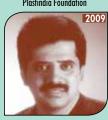
DR. RAMESH C. AWASTHI PhD (Tech) Chemical Engineering 1982, Founder, Masum NGO



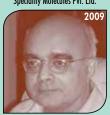
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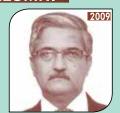
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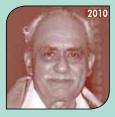
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L.N. Chemical Industries



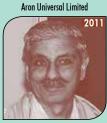
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Managing Director,
Alfa Imaging Systems Pvt. Ltd.



MR. M.N. CHAINI
B.Chem. Eng. 1964,
Former President,
Maharashtra Economic Development Council



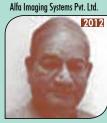
MR. L R CHADHA B.Sc. (Tech) Foods 1965, Managing Director, Goodwill Chemical Industries



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MR. V D SANGHAVI B.Chem Eng. 1964, Managing Director, Aarvi Encon Pvt. Ltd.



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MR. P P SHAH B.Chem Eng. 1977, Regional Director, UOP



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MR. ULHAS M. DEWAL M.Chem.Eng. 1979 Managing Director, Ashu Organics India Pvt Ltd



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B.Tech Dyes 2003, Director, Clean Science & Technology Pvt Ltd



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MR. SUNIL M. VANARASE B.Chem.Eng. 1968, Vansum Industries



MR. SHYAMSUNDER BANG M.Chem.Eng. 1973,



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Managing Director - Rudolf Atul Chemicals Limited
Director-in-charge — Atul Inc., USA



DR. SHIRISH K. SANKHE B.Chem. Engg. 1984 Senior Partner and Director, McKinsey



DR. RAM W. SABNIS Senior Patent Agent: Georgia-Pacific LLC, Atlanta, GA (USA)



DR. ANIL KAKODKAR Former Director, B.A.R.C.



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PROFESSOR SMITA S. LELE, Registrar and Professor of Biochemical Engineering, ICT (Mumbai)



SHRI SUNIL RAMANAND, Joint Commissioner of Police, Pune City (Pune)



MR. NADIR B. GODREJ Chairman & Managing Director, Godrej Industries Ltd



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Consultant / Advisor, (freelance) to Oil /
Energy / Chemical Companies



B.Pharm. (1983)

President and Country Manager and Director on the Board of four group companies of Perkin Elmer India Pvt. Ltd.



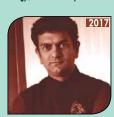
MR. RAJIV MITTAL B.Chem. Engg. (1983) Managing Director and Group CEO, VA Tech Wabag Ltd.



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Wildlife Conservation Trust



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Department of Chemical Engineering at IIT Delhi



DR. VILAS H. DAHANUKAR
M. Pharm Pharmaceuticals 1988
Current Designation - Chief Scientist-Process
R&D (Senior Vice President) Dr. Reddy's
Laboratories Ltd



MR. VAIBHAV B. TIDKE Student, Ph.D (Tech) Chem.Eng. CEO, Science for Society



MR. SHRIPAL C. GANDHI B.Chem.Eng. 2003, CEO, Swipe Technologies Pvt Ltd

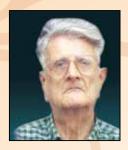


MR. SNEH JAIN
B. Tech. (Pharma) (2007)
Strategy Consultant, McKinsey & Co.

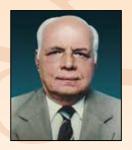
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Mr. Mukesh D. Ambani Managing Director & Vice Chairman Reliance Industries Ltd.



Mr. K. H. Gharda Chairman & Managing Director Gharda Chemical LTD.



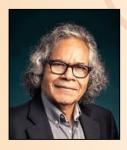
Mr. S. S. Gothaskar Former Commissioner



Prof. M. L. Gulrajani Professor IIT, Delhi



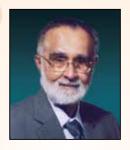
Prof. J. B. Joshi Professor of Chemical Engineering, UDCT



Dr. John N. Kapoor Kapoor, Charitable Trust, U.S.A.



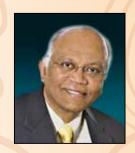
Prof. R. Krishna University of Amsterdam, The Netherlands



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Mr. Ravi K. Marphatia Consultant, Paint Industry



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Dr. K. Anji Reddy Dr. Reddy's Laboratories Ltd.



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Former Chairman, Atomic Energy Commission



Mr. Manubhai Shah Former Commerce Minister, Pt. Jawaharlal Nehru's Cabinet



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Dr. B. D. Tilak Former Director, National Chemical Laboratory, Pune



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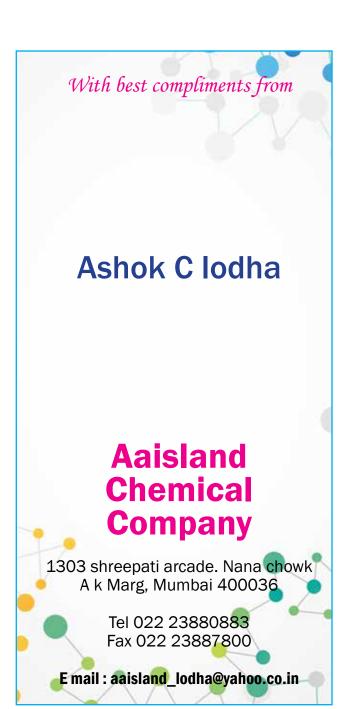
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Shri C.V. Gogri Member, Distinguished Alumni, Chairman Emeritus, Aarti Industries Ltd.



Professor Devang Khakhar, FNA, FASc, FNASc, FNAE Member- Head of Academic Institute/ Organization of National Importance having International Standing

Director, Indian Institute of Technology - Bombay,

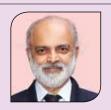


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Professor P. R. Vavia Member, Dean (Academic Programme) Department of Pharmaceutical Science and Technology, Institute of Chemical Technology, Mumbai

Mumbai



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Member,
Dean-Human Resource Development
Department of Chemical Engineering
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Professor S. D. Samant Member, Senior Most Professor, Department of Chemistry, Institute of Chemical Technology, Mumbai



Professor (Smt.) S.S. Lele Member Secretary, Registrar, Department of Food Engineering and Technology Institute of Chemical Technology, Mumbai



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Dr. HOMI SETHNA

PADMA Vibhushan Chairman, Atomic Energy Commission

PADMA SHRI



PROF. M M SHARMA

F.R.S., F.N.A., F.T.W.A.S.

PADMA Vibhushan **Former** Director, UDCT/ICT

1987 **PADMA BHUSHAN** Professor of Chemical Engineering, UDCT



DR. R A MASHELKAR

F.R.S., F.N.A., F.T.W.A.S.

2014 PADMA Vibhushan National Professor Chancellor,

2000 **PADMA BHUSHAN Director** General, CSIR

PADMA Shri Director, NCL, Pune



PROF. K VENKATARAMAN

1961 PADMA BHUSHAN Director, National Chemical Laboratory, Pune and Former Director, UDCT



PROF. B D TILAK

PADMA BHUSHAN

Director, National Chemical Laboratory, Pune and Former Professor of Dyestuff Technology, UDCT



PROF. A SREENIVASAN

PADMA BHUSHAN

Former Head & Professor of Food Technology & Director, CFTRI, Mysore



DR. K ANJI REDDY

2011 PADMA BHUSHAN Chairman, Dr Reddy's Laboratory, Hyderabad 2001 **PADMA SHRI**



PROF. J B JOSHI

F.N.A., F.T.W.A.S.

PADMA BHUSHAN

Former Director, UICT
J. C. Bose National Fellow



DR. A V RAMARAO

PADMA BHUSHAN Chairman, AVRA Director, ICT, Labs & Former Director, IICT, Hyderabad

F.N.A., F.T.W.A.S. 1991 **PADMA SHRI**

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DR. G P KANE

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DR. NITYA ANAND

2012 PADMA SHRI Former Director, CDRI, Lucknow



DR. K H GHARDA

2016 PADMA SHRI

Chairman & Managing Director, Gharda Chemicals Ltd

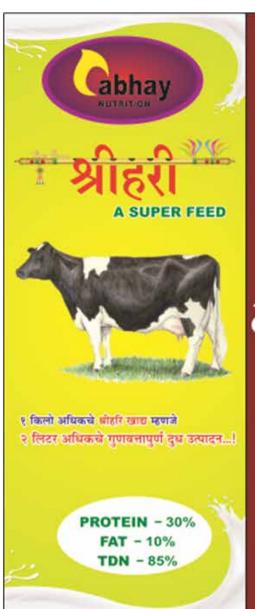


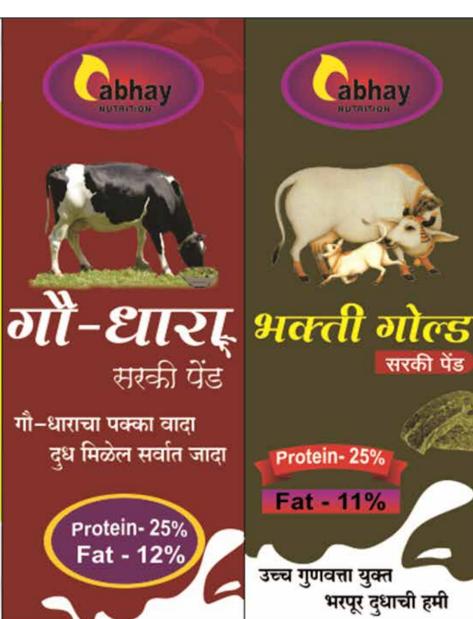
PROF. G D YADAV

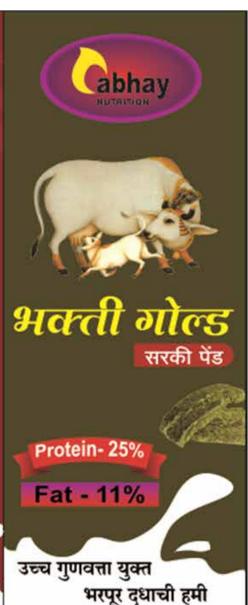
F.N.A., F.T.W.A.S.

PADMA SHRI

Vice Chancellor & R T Modi Distinguished Professor, ICT J. C. Bose National Fellow







द्धारा उत्पादित

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