

*Those who refused to be lured by the West
and contributed significantly to India's growth.*

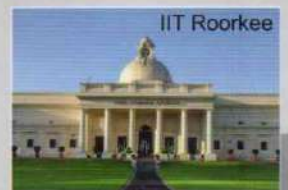
100 Great IITians

Dedicated to the Service of the Nation

Edited by Commander V.K. Jaitly



IIT Guwahati



IIT Roorkee



IIT BHU



IIT Dhanbad



IIT Kharagpur



IIT Bombay



IIT Madras



IIT Kanpur



IIT Delhi



Dear Sir,
Greetings and Best Compliments!

It has been a proud privilege to work on **100 Great IITians: Dedicated to the Services of the Nation.**

Though it was a herculean task, but with your blessings we could achieve the feat of publishing this book. While we feel delighted to thank you for all of your efforts to serve the nation although you had better options, we express our appreciation towards your selfless service and dedication.

Please accept a copy of the book as a token of our gratitude.

Our sincerest regards,



(Commander VK Jaitly)
Editor (9811777904)

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The Tale of the Top Technology Institutes

IITs were conceptualized even before India gained independence in 1947. Sir Ardeshir Dalal from Viceroy's Executive Council proposed the setting up of the Scientific and Industrial Research laboratories. To man them, highly trained technical people were required. So the IITs were conceptualised at that stage.

On the basis of Sir Nalini Ranjan Sarkar Committee recommendations, a team of Mr Chandrakant, Mr Biman Sen and Sir J.C. Ghosh, the Director of IISc Bangalore, a blue print was prepared. Dr B.C. Roy, the First Chief Minister of West Bengal was a visionary leader and he offered a huge expanse of land and existing buildings that were part of the erstwhile Detention Camp at Hijli, Kharagpur. Thus the first IIT was born and Sir J.C. Ghosh became the first Director of first IIT at Kharagpur. Formal inauguration of the institute happened on 18 August, 1951 by Maulana Abul Kalam Azad, the Education Minister of India. On 15 September, 1956 the Parliament of India passed an Act known as the Indian Institute of Technology (Kharagpur) Act declaring it as an Institute of National Importance. The first Prime Minister Jawaharlal Nehru was the chief guest for the first convocation in 1956. In his address, he said, "Here in the place of that Hijli Detention Camp stands the fine monument of India, representing India's urges, India's future in the making. This picture seems to me symbolical of the changes that are coming to India."

Dear Emandi Sankara Rao ji,

The Nation is proud of you,

With Best Compliments.

from



Commander VK Jaitly

Locations of 23 IITs of India



ITs of India



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Edited by

Commander V.K. Jaitly

Dr Emandi Sankara Rao

85/Rel Engg/M.Tech/IIT Kharagpur

**Believes in ISR (Individual Social Responsibility)
more than CSR**



Dr ESR was born and brought up in Visakhapatnam, the City of Destiny on the East Coast of India in Andhra Pradesh. Had his primary and secondary education at St Aloysius High School and V T College and completed his Matriculation at the age of 13 years and then went to the prestigious Mrs AVN College and did Intermediate at age of 15 years during 1974–76. Having an interest in engineering & technology, had done graduation with Electrical & Electronics Engineering subjects from the reputed College of Engineering, Andhra University.

In B.E. project work he designed and developed an innovative Digital EPROM Programmer digital kit using 2716 EPROM, 8255 PIA chips, and 8080 Microprocessor along with ECE branch teammates instead of his parent Electrical Branch. After passing the first GATE Exam in 1983 went for a Post-graduation in M.Tech Reliability Engineering, a new specialization offered at IIT Kharagpur, and had done a project at DRDO-NSTL related to Torpedo Systems Reliability in 1984.

After passing from IIT Kharagpur, served the first 12 years (1985–97) of the career in Digital Telecom and Power Systems manufacturing sectors in Govt and Pvt Sectors and then again went back to academics with a passion for doing research. He joined IIT Bombay in 1999 and did his Ph.D titled 'Techno-Economic Framework For Sensitivity & Risk Analysis Towards Network Effectiveness' using the Stochastic and AI-ANN modelling on Telecom Infrastructure Project Finance & Technology (an innovative combination of digital PCM TDM Class 5 Switching Systems, evolving IP Networks and Satellite C-Band transponders due to shortage of Optical Fibre in 2002). While pursuing Ph.D he also completed PGDBA from Pondicherry Central University in the year 2002 while serving in IDBI and IDFC.

last 23 years (1997–2020) of his career, he migrated into Developmental Banking & Director and served in prestigious Govt of India, Ministry of Finance, All India Development Institutions in IDBI, IDFC Group, IIFCL Group at various levels and superannuated in 2020 as Director of IFCI Ltd (a Govt of India, ACC appointment). During the last 10 years of his career, he served as Whole-time Director at Board Level Management at IIFCL Group, IFCI Group, Stock Holding Corporation of India Ltd and also served as Chairman, of the Board of Governors of reputed Business Schools like IIM Ranchi & Murshidabad and ILD Jaipur.



His spectrum of professional interests are in Corporate & Project Finance, Structured Finance, Investment Banking, Policy Making, Domestic & Forex Resources Raising, Risk Management, and IT Systems related to Infrastructure & Industry. He was the Founder Director & CEO by incorporating and managed two IIFCL Subsidiaries, IIFCL Projects Ltd and IIFCL (IDF) Mutual Fund, and was also instrumental in IIFCL Group for raising and managing Resources & Treasury of around Rs 30,000 Crores Tax-free and taxable retail and Institutional Domestic Bonds & Funds, and Forex from multi-lateral agencies like ADB, WB, KfW and EIB.

He was invited to serve as a Member in High-Level Inter-Ministerial Committees, Govt of India, Niti Aayog (erstwhile Planning Commission), RBI, MoF-DEA and was appointed as Member in New DFI formation Sub-Group for Financing NIP Rs 111 Lakh Crores which was passed as NaBFID Act 2021. Similarly, was a member in the 12th Five Year Plan High-Level Infrastructure two Sub Group Committees for Infrastructure Financing and MoUD Urban Infra Financing.

As part of his Individual Social Responsibility (ISR) and motivational talks shares his research and experiences by way of Capacity Building & Training with the faculty, students, and employees in various Educational Institutions, and Corporates and invited talks at various national and international seminars and workshops. As a part of ISR for the last 10 years, he has been Mentoring and Developing Young Professional Entrepreneurs & Start-ups and facilitating Inclusive growth for Atmanirbhar India by way of 'Skill Development and Make in India' in the areas of Primary Education, Electronics, AI & IoT, Rural Agriculture and Cinema.

As a part of ISR & CSR to return to society he along with his family have been doing Social & Charitable Services for over 25 years in various places to the best of their abilities in Education, Healthcare & Cancer, and Skill Development with their own money from their savings. He contributed Rs 50,000 per month every month while serving in IFCI from his salary to IFCI Social Foundation Trust to service underprivileged people.



Finance, Structured Finance,
ing, Risk Management, and IT
Director & CEO by incorporating
(F) Mutual Fund, and was also
sury of around Rs 30,000 Crores
s, and Forex from multi-lateral



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As an ISR his family had adopted a remote hilly rural village Kureru having 3 hamlets and 3 primary schools in Mentada Mandal, Vijayanagaram Dist, Andhra Pradesh by facilitating and providing educational infra, books, medicines, and local rural employment. During the pandemic, Covid-19 as a Trustee of Sri Gurudeva Charitable Trust supported the underprivileged society people with free medicines and food and facilitated in Skill Development of Artificial Limbs and Masks Stitching of more than 3 Lakh cloth masks for free distribution and created employment for 60 women and physically disabled people in the Visakhapatnam and serving the rural villages through Sri Gurudeva Charitable Hospital with 25 beds. Also working closely as a Mentor with Vizag Volunteers and doing social service like arranging blood from blood banks in Vizag.

In recognition of his professional services he was honoured with a Certificate of Achievement (Financial Services Industry) by Asia Pacific Entrepreneurship Awards in April 2018, and the hands of NITI Aayog CEO has conferred an Honorary Fellowship in the 26th Global Symposium, 2018 organized by Centre for Excellence in Project Management, November 2018.

In recognition of his ISR & CSR services, CSR Vision magazine in the May and July 2019 issue has covered his services and contributions. He also received the CSR Awards from the Institute of Directors (IOD) in the year Feb 2016 and again in March 2020 and also received the Golden Peacock CSR Award for 2020 as Chairman of IFCI Social Foundation Trust for his social services across India.

Currently, he is an Independent Director on a few Boards of Infrastructure & Manufacturing sector Corporates like Delhi International Airport Ltd, GMR Airports Infra Ltd, GMR Power and Urban Infra Ltd, Coastal Corporation India Ltd, Visakha Pharmacy Ltd Vizag Profiles Private Ltd. With a passion for academics and research, he is teaching as a Professor in Andhra University School of International Business and other institutions.

He is now based in Visakhapatnam and stays along with his old mother and his children. His daughter is serving in the UN Women Wing and his son is serving in a Logistics Infra Corporate.