

Objective Electrical Technology

By V K Mehta As A

Functional electrical stimulation

neuromuscular electrical stimulation (NMES). FES technology has been used to deliver therapies to retrain voluntary motor functions such as grasping, reaching

Functional electrical stimulation (FES) is a technique that uses low-energy electrical pulses to artificially generate body movements in individuals who have been paralyzed due to injury to the central nervous system. More specifically, FES can be used to generate muscle contraction in otherwise paralyzed limbs to produce functions such as grasping, walking, bladder voiding and standing. This

technology was originally used to develop neuroprostheses that were implemented to permanently substitute impaired functions in individuals with spinal cord injury (SCI), head injury, stroke and other neurological disorders. In other words, a person would use the device each time he or she wanted to generate a desired function. FES is sometimes also referred to as neuromuscular electrical stimulation...

IIT Kanpur

Indian Institute of Technology Kanpur (IIT- Kanpur or IIT-K) is a public institute of technology located in Kanpur, Uttar Pradesh, India. As an Indian Institute

The Indian Institute of Technology Kanpur (IIT- Kanpur or IIT-K) is a public institute of technology located in Kanpur, Uttar Pradesh, India. As an Indian Institute of Technology (IIT), it was declared an Institute of National Importance by the Government of India under the Institutes of Technology Act. As of January 2025, at least 17 Padma

Shri, 4 Padma Bhushan, 1 Padma Vibhushan, and 33 Shanti Swarup Bhatnagar Prize recipients have been affiliated with IIT Kanpur as alumni or faculty members.

IIT Madras

Eminence of India. As an Indian Institute of Technology (IIT), IIT Madras is also recognized as an Institute of National Importance by the Government of

The Indian Institute of Technology Madras (IIT Madras or IIT-M) is a public research university and technical institute located in Chennai, Tamil Nadu, India. It is one of the eight public Institutes of Eminence of India. As an Indian Institute of Technology (IIT), IIT Madras is also recognized as an Institute of National Importance by the Government of India.

Founded in 1959 with technical, academic and financial assistance from the then government of West Germany, IITM was the third

Indian Institute of Technology established by the Government of India. IIT Madras has consistently ranked as the best engineering institute in India by the Ministry of Education's National Institutional Ranking Framework (NIRF) since the ranking's inception in 2016.

Kalyanmoy Deb

2013. In 2001, Wiley published a textbook written by Deb titled Multi-Objective Optimization using Evolutionary Algorithms as part of its series titled "Systems

Kalyanmoy Deb is an Indian computer scientist. Deb is the Herman E. & Ruth J. Koenig Endowed Chair Professor in the Department of Electrical and Computing Engineering at Michigan State University. Deb is also a professor in the Department of Computer Science and Engineering and the Department of Mechanical Engineering at Michigan State University.

Deb established the Kanpur Genetic Algorithms Laboratory at IIT

Kanpur in 1997 and the Computational Optimization and Innovation (COIN) Laboratory at Michigan State in 2013. In 2001, Wiley published a textbook written by Deb titled Multi-Objective Optimization using Evolutionary Algorithms as part of its series titled "Systems and Optimization". In an analysis of the network of authors in the academic field of evolutionary computation by Carlos Cotta...

Ashok Jhunjunwala

his B.Tech. (Electrical Engineering) from the Indian Institute of Technology, Kanpur and PhD from the University of Maine. He has been a faculty member

Ashok Jhunjunwala (born 22 June 1953) is an Indian academic and innovator. He received his B.Tech. (Electrical Engineering) from the Indian Institute of Technology, Kanpur and PhD from the University of Maine. He has been a faculty member at the Indian Institute of Technology Madras since 1981. He is the President of IIT Madras

Research Park and Chairman of International Institute of Information Technology, Hyderabad. During his career, he has contributed extensively to technology innovation and adoption in the Indian context.

V. P. Joy

Minister Pinarayi Vijayan". "Dr. V.P.JOY" (PDF). Kerala Web Portal. Vazhayil, Joy (7 September 2012). "Hierarchical multi-objective optimization of India's energy

Vazhayil Pathrose Joy, also known as Joy Vazhayil (born 30 June 1963), is an Indian poet, writer, researcher, and administrator. He is also known for books and research papers on the energy policy and also on philosophy of education, mind and metaphysics. He has published several literary works in Malayalam language, mainly poetic compositions.

During his official career spanning more than three and a half decades, he has held important assignments in the Government of India as well as in the State Government of Kerala.

Joy took charge as the Chief Secretary of State of Kerala, India on 28 February 2021 and demitted office on 30 June 2023. During this period, he has been instrumental in the e-Governance transformation of Kerala which declared total e-governance on 25 May 2023.

He is from the...

Rajendra K. Pachauri

Retrieved 8 October 2022. Pachauri, Rajendra K. (1974). A dynamic model for forecasting of electrical energy demand in a specific region located in North and

Rajendra Kumar Pachauri (20 August 1940 – 13 February 2020) was the chairman of the Intergovernmental Panel on Climate Change

(IPCC) from 2002 to 2015, during the fourth and fifth assessment cycles. Under his leadership the IPCC was awarded the Nobel Peace Prize in 2007 and delivered the Fifth Assessment Report, the scientific foundation of the Paris Agreement. He held the post from 2002 until his resignation in February 2015 after facing multiple allegations of sexual harassment. In March 2022, he was exonerated of the sexual harassment allegations (The Court of Additional Sessions Judge in Saket Court). He was succeeded by Hoesung Lee. Pachauri assumed his responsibilities as the chief executive of The Energy and Resources Institute in 1981 and led the institute for more than three decades...

Sankar Kumar Pal

machine subjectivity representation in machine-mind development by encapsulating the objective and subjective time, context, and affect components in natural

Sankar Kumar Pal (born 1950) is an Indian computer scientist and the president (and former director) of the Indian Statistical Institute (ISI), Kolkata. He is also a National Science Chair, Government of India. Pal is a computer scientist with an international reputation on pattern recognition, image processing, fuzzy neural network, rough fuzzy hybridization, soft computing, granular mining, and machine intelligence. He pioneered the development of fuzzy set theory, and neuro-fuzzy and rough-fuzzy computing for uncertainty modelling with demonstration in pattern recognition, image processing, machine learning, knowledge-based systems and data mining. This has made him widely recognized across the world and made India a leader in these disciplines in international scenario. He founded the Machine...

Kothari Commission

attended to by this group which had A. R. Dawood, V. S. Jha, D. R. Mankad, M. S. Mehta, Perin H. Mehta, J. P. Naik, Prem Pasricha, V.

Ramakrishna, A. S. Raturi

National Education Commission (1964-1966), popularly known as Kothari Commission, was an ad hoc commission set up by the Government of India to examine all aspects of the educational sector in India, to develop a general pattern of education, and to recommend guidelines and policies for the development of education in India. It was formed on 14 July 1964 under the chairmanship of Daulat Singh Kothari, then chairman of the University Grants Commission. The terms of reference of the commission was to formulate the general principles and guidelines for the development of education from primary level to the highest and advise the government on a standardized national pattern of education in India. However, the medical and legal studies were excluded from the purview of the commission. The tenancy...

Vinod Dham

to India during the Partition of India. Dham graduated with a BE degree in Electrical Engineering from Delhi College of Engineering in 1971 at the age

Vinod Dham is an Indian-American engineer, entrepreneur, and venture capitalist. He is known as the 'Father of the Pentium Chip' for his contribution to the development of Intel's Pentium micro-processor. He is also a mentor and advisor, and sits on the boards of companies, including startups funded through his India-based fund Indo-US Venture Partners, where he is the founding managing director.

Vinod Dham's accomplishments as 'Pentium Engineer' and as an Indian-American technology pioneer from Silicon Valley were observed at an exhibition on South Asians at the National Museum of Natural History, highlighting Indian-Americans who have helped shape America.

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In recognition of his groundbreaking contributions, the Indian government honored Vinod Dham with the Padma...

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