



Dr. N.G.P. ARTS AND SCIENCE COLLEGE

Autonomous | Affiliated to Bharathiar University, Coimbatore. Graded 'A++' by NAAC (Third Cycle)

Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.

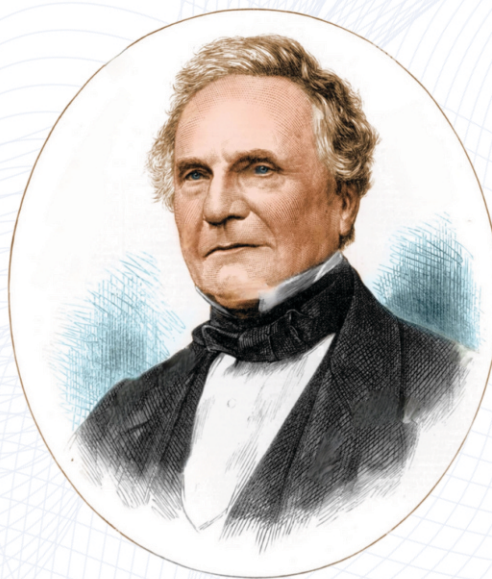


INVITATION

CHARLES BABBAGE ENDOWMENT LECTURE - III

ON

INTRODUCTION TO RESPONSIBLE AI AND DATA SCIENCE



ORGANIZED BY

DEPARTMENT OF INFORMATION TECHNOLOGY

Date : 15.09.2025

Venue : Seminar Hall - III

Time : 09.30 AM

CHIEF GUEST



Dr. I. BALAKRISHNA

Joint Director / Scientist
Ministry of Electronics & Information Technology
Govt. of India

PRESIDENTIAL ADDRESS



Dr. NALLA G PALANISWAMI

CHAIRMAN

Dr.N.G.P. Research and Educational Trust
Coimbatore



Dr. THAVAMANI D PALANISWAMI

SECRETARY

Dr.N.G.P. Arts and Science College
Coimbatore



Dr. ARUN N PALANISWAMI

TRUSTEE

Dr.N.G.P. Research and Educational Trust
Coimbatore



Mrs. MATHURA V PALANISWAMI

TRUSTEE

Dr.N.G.P. Research and Educational Trust
Coimbatore

FELICITATION



Dr. O.T. BUVANESWARAN

CHIEF EXECUTIVE OFFICER
Dr.NGPRET



Dr. P.R. MUTHUSWAMY

DIRECTOR - ACADEMICS
Dr.N.G.P. EDUCATIONAL INSTITUTIONS



Dr. S. SARAVANAN

PRINCIPAL
Dr.N.G.P. ARTS AND SCIENCE COLLEGE



Dr. I. BALAKRISHNA

Dr. I. Balakrishna is a distinguished academic and research professional, recognized for his extensive contributions to the fields of RF, Microwave, and mm-Wave technologies. Recently he is appointed as a Senate Member of the University of Madras and Anna University by the Honble Governor of Tamil Nadu. He serves as an Executive Committee Member at the Center for Internet of Things (C-IoT) at Anna University, Chennai.

His impressive career includes leadership roles as Chairman and Board of Studies (BOS) member across prestigious institutions such as IITs, NITs, and various renowned engineering colleges. With a rich history as a Visiting Scientist at esteemed institutions like MIT, Georgia Tech, and IISc Bangalore, he previously excelled as Chief Manager and Head of R&D at Reliance Jio Pvt. Ltd, Mumbai.

Currently, he is a dedicated Scientist at the R&D Research Centre, Chennai, Ministry of Electronics Information Technology (MeitY), Government of India. With over 15 years of hands-on experience in R&D, he has been instrumental in executing critical national defense projects, contributing to the successful test flights of missiles, and solving complex electromagnetic challenges, including antenna systems for naval ships, satellites, and stealth technology aircraft.

His collaborative spirit has led to significant contributions to the & “Indigenous Development of End-to- End 5G Test Bed,” a project funded by the Department of Telecommunications (DoT), which resulted in India’s first fully functional MIMO and massive MIMO antenna systems demonstrated to the Hon’ble Prime Minister.

His current research interests include a wide array of cutting-edge topics, such as Advanced Communication System, IoT and Smart Applications and Strategic Antenna and RF Developments.

He is highly involved in capacity building, delivering impactful lectures, workshops, and conferences globally. He is a prolific author, with several patents and publications in IEEE International Journals, contributing to the academic and scientific community.



CHARLES BABBAGE

Charles Babbage was an English mathematician, philosopher and inventor, often called "The Father of Computing". Babbage detailed plans for mechanical Calculating Engines, Difference Engines, and Analytical Engines. Charles Babbage was born on 26 December 1791, probably in London, the son of a banker. He was, often unwell as a child and was educated mainly at home. By the time he went to Cambridge University in 1810 he was very interested in mathematics. After graduation Babbage was hired by the Royal Institution to lecture on calculus.

Within 2 years he had been elected a member of the Royal Society and, with his Cambridge friends, was instrumental in setting up the Astronomical Society in 1820, the first to challenge the dominance of the Royal Society. From 1828 to 1839, Babbage was Lucasian Professor of Mathematics at Cambridge.

The 1820's saw Babbage work on his "Difference Engine", a machine which could perform mathematical calculations. A six-wheeled model was initially constructed and demonstrated to a number of audiences. He then developed plans for a bigger, better, machine—Difference Engine 2. He also worked on another invention, the more complex Analytical Engine, a revolutionary device on which his fame as a computer pioneer now largely rests. Babbage also worked in the fields of philosophy and code-breaking, as well as campaigning for reform in British science. He died at his home in London on 18 October 1871.



Charles Babbage Endowment was created in the academic year 2019-20 with the aim to promote research and development activities in the field of Computer Science which includes the Machine Intelligence trends like Artificial Intelligence, Internet of Things (IoT), Cyber Physical Systems, Big Data and Cognitive Computing. Endowment Fund of Rs.1,00,000 was deposited in the bank and sponsored by students of Information Technology. Every Year Eminent Personality in the field of Information Technology will be invited to deliver Lecture to promote scientific information exchange among the students.

" ERRORS USING INADEQUATE DATA ARE MUCH LESS THAN THOSE USING NO DATA AT ALL."

-CHARLES BABBAGE