

## About GITAM (Deemed to be University)

Gandhi Institute of Technology and Management (GITAM), a Deemed to be University under section 3 of the UGC Act, 1956 is a premier educational institution in the country imparting quality education. Over the last 37 years, GITAM has achieved many milestones and established a mark of its own in the field of higher education. GITAM is located at Visakhapatnam and has two off-campuses at Hyderabad and Bengaluru. GITAM is a multi-disciplinary and multi campus university offering 144 programs at UG, PG and doctoral levels in diverse disciplines such as Engineering & Technology, Architecture, Life Sciences, Social Sciences, Physical Sciences, Arts & Humanities, Commerce & Management, International Business, Law, Pharmacy, Medicine and Nursing.

GITAM comprises of 16 Institutes, 10 Faculties, 52 Departments and 10 Research Centres and has over 20,000 regular full-time students, over 1200 research scholars hailing from almost all parts of the country. GITAM is endowed with about 1200+ well qualified faculty having research and industrial background. The faculty have been undertaking major research projects with financial assistance from various funding agencies. The faculty are involved in professional practice and organizing executive development programmes in the emerging areas. The DST provided financial assistance under FIST programme to as many as seven academic departments.

The Choice Based Credit System (CBCS) enables the students to have flexibility in learning with wider choices outside their disciplines of study in order to acquire the desirable skills to pursue the career of their choice. The University has established state-of-the-art infrastructure comprising well laid-out, elegantly designed and engineered buildings for administration, academic departments, research, knowledge resource centres, student support and sports facilities.

Centralized Research Laboratories were established in the thrust areas such as Water Quality, Nano-Technology, Medical Bio-Technology, Advanced Materials & Processing, Chemical Analysis and Industrial Bio-Technology. In addition, Central instrumentation and Heavy equipment facilities were also made available for the

benefit of researchers. To augment with inter-disciplinary research, specialized research centers namely Cancer research center, Center for Urban & Sustainable development, Centre for Integrated rural development, Centre for Climate change & disaster management and Fire research center were established in collaboration with NGOs and industry. The University collaborated with Stanford Medical School, Stanford University, USA and Economic Development Board (EDB), Govt. of AP to establish a centre of excellence in life sciences and advanced biotechnology to undertake sponsored research.

The Ministry of Human Resource Development, Govt. of India (Tandon Committee), classified the University as category 'I' among the universities of its kind. The University is accredited by NAAC with "A+" Grade in 2017. Further, the UGC has accorded 12-B status to the University. The University has been accredited with ISO 9001:2015 for Quality Management, ISO 14001:2015 for Environmental Management and ISO 27001:2013 for Information Security Management.

## About Condition Monitoring Society of India

Condition Monitoring Society of India (CMSI) is a non-profit professional body of practicing Engineers, Scientists and professional involved in the field of industrial maintenance. The society primarily aims at growth of the science of condition monitoring of machines, equipment and systems of India. Condition Monitoring Society of India was established in 2003 with R&D scientists, academicians and maintenance engineers forming the core strength. The society has two grades of membership namely, Individual Life members and Institutional Members.

The society has grown over the past 15 years. More than Twenty Industries and organizations have become Institutional members of Condition Monitoring Society of India so far. CMSI brings out a quarterly News Letter 'MONITOR' to disseminate the latest trends in condition monitoring among the professionals in the country and abroad. The society's website [www.comsoi.org](http://www.comsoi.org) provides for publishing online news and online interaction among members. Annual meets are held to foster interaction among the members and technical talks are organized during these meets. CMSI organized several National/International Conferences, Workshops and short term courses for the benefit of practicing maintenance engineers, academicians and R&D professionals.

Panoramic view of GITAM (Deemed to be University), Visakhapatnam



# GITAM

(DEEMED TO BE UNIVERSITY)

(Estd. u/s 3 of the UGC Act, 1956)

VISAKHAPATNAM • HYDERABAD • BENGALURU

Accredited by NAAC with **A+ Grade**

## INVITATION



Condition Monitoring  
Society of India

The Vice-Chancellor & Members of Board of Management

Cordially invite you to attend

**Dr. V. Bhujanga Rao Endowment Lecture**

on

**"Industry 4.0: Smart Monitoring of Manufacturing and Beyond"**

by

**Prof. Amaresh Chakrabarti**

Sr. Professor & Chairman

Centre for Product Design and Manufacturing, IISc, Bengaluru

at 11.00 A.M. on **Monday, 19<sup>th</sup> March, 2018**

at Mother Teresa Auditorium, GITAM, Visakhapatnam

Jointly Organised by GITAM and Condition Monitoring Society of India (CMSI)

RSVP : 0891 2840501

**Prof. M. Potharaju**  
Registrar



**Dr. V. Bhujanga Rao**

## **Dr. V. BHUJANGA RAO Endowment Lecture**

***GITAM (Deemed to be University) instituted Dr. V. Bhujanga Rao Endowment Lecture by creating a corpus fund donated jointly by the Department of Mechanical Engineering and the Condition Monitoring Society of India. Dr. V. Bhujanga Rao is ISRO Chair Professor, NIAS, Bengaluru and former Director General (NS&M), DRDO, New Delhi and former Director, NSTL, Visakhapatnam, who has contributed immensely for the advancement of research in defense technologies.***

### **Profile of Dr. V. BHUJANGA RAO**

Dr. V. Bhujanga Rao, born on 10th October, 1951, is a postgraduate in M.Sc. Physics (Acoustics) from Sri Venkateswara University, Tirupati. Later he did his M.S. (Mechanical Engineering) from Indian Institute of Science, Bangalore and then obtained his Ph.D. degree in Mechanical Engineering from Jawaharlal Nehru Technological University, Hyderabad, and Ph.D. in Technology Management from Devi Ahilya Viswa Vidyalaya, Indore. In his 38 years of rich professional experience in Defense R&D, he has occupied various prestigious positions. He served the organization in various capacities and rose to become the Director of the Naval Science and Technological Laboratory (NSTL) in April 2006, Chief Controller Research & Development (CCR&D) in April 2011 and Director General (Naval Systems & Materials) in September 2013. In his long and distinguished career as a scientist, he has contributed immensely to Defence R&D, Particularly on Warship Technologies, Naval Stealth Technologies and Technology Management. Dr. Bhujanga Rao was responsible for establishing many facilities such as Acoustic, Shock & Vibration Test facilities, Instrumented Radar Cross Section Measurement complex and Underwater Signature Measurement Complex. He is a consultant to various agencies / industries. He is the recipient of a number of prestigious awards and honours. Some of the recent awards include National award for empowerment of persons with disabilities, Doctor of Science – Honoris Causa by NIT - Kuruksheetra, Suri Bhagavantham award for Distinguished Service in Acoustics instituted by the Acoustical Society of India etc.,. He is a Fellow of Indian National Academy of Engineering, Founder & President of the Condition Monitoring Society of India, Past President & Fellow of Acoustical Society of India and Fellow of many other societies. He is a Member of the Academic Councils several Universities. He is honorary Professor at Andhra University, Visakhapatnam. GITAM considers it a privilege and a tribute to institute an Endowment Lecture in honour of this great son of India, who has immensely contributed to advancement of research in defense technologies and widespread use of condition monitoring concepts in India.



**Dr. Amaresh Chakrabarti**

## **Profile of Prof. Amaresh Chakrabarti**

Professor Amaresh Chakrabarti is Professor of Engineering Design and Chairman of the Centre for Product Design and Manufacturing, Indian Institute of Science (IISc), Bangalore. He has BE in Mechanical Engineering from IEST Shibpur, India, ME in Mechanical Design from IISc, and PhD in Engineering Design from University of Cambridge, UK. After PhD, he led for ten years the Design Synthesis team at the EPSRC Centre for Excellence Engineering Design Centre at University of Cambridge, before joining IISc as an Associate Professor.

Prof. Amaresh Chakrabarti has research interests in design synthesis, creativity, biomimetics, eco-design, sustainability, product informatics, virtual reality, ergonomic assembly, smart manufacturing, and design research methodology. He authored/edited 13 books, over 290 peer-reviewed articles, and has 10 patents granted/pending. He co-authored DRM, a methodology used widely as a framework for doing engineering design research. He is the current Editor-in-chief, AI EDAM and Design Science Journals (CUP), Area Editor, Research in Engg Design (Springer), Regional Editor, J of Remanufacturing (Springer), and Advisory Editor for 7 International Journals incl. J of Engg Design (T&F), Clean Technologies and Environmental Policy (Springer), and Int J of Design Creativity and Innovation (T&F). Professor Chakrabarti has been elected twice to the Advisory Board of Design Society, UK, where he is currently an elected member of its Board of Management. He is a member of the CII National Committee on Design, India, member of the Jury for India Design Mark and India Design Excellence Awards of India Design Council. He founded IDeASLab – the first design observatory in India for research into design creativity, sustainability and innovation. He is Programme chair for International Conferences on Research into Design (ICoRD) and 22nd CIRP Design Conference (CIRP Design 2012), Conference Chair for 3rd International Conference on Design Creativity (ICDC 2015) and vice-Chair for AI in Design (AID) and Design Computing and Cognition (DCC) Conferences. He is an Honorary Fellow of the Institution of Engineering Designers, the peer society under the UK Royal Charter in engineering design. He is recipient of the TUM Ambassador Award conferred by Technical University of Munich, Germany for outstanding contribution to design research and education. Eleven of his papers won top paper awards in various international conferences. He is recipient of the Careers360 Faculty Research Award 2018 for being the 'Most Outstanding Researcher' in Decision Sciences.