



**Dr. Johanna Rajkumar**

Dr. Johanna Rajkumar, is a Senior Professor in the Department of Biotechnology. She is a M.Sc., Ph.D. from University of Madras. She has won several prizes including the General Proficiency the Department of Biochemistry, Post Graduate Institute of Basic Medical Sciences, Prize in School and was adjudged the best outgoing student in her M.Sc. She stood first in M.Sc. among the university departments. She was an athletic champion during her school and college days and has taught and guided several M.sc. and M.Phil. students. Her research work was mainly in the field of cancer atherosclerosis and myocardial infraction. She has filed 4 patents and has 18 publications in peer reviewed journals, and is currently guiding 6 Ph.D scholars.

Dr. Natteri M Sudharsan, ASME Fellow, Professor of Mechanical Engineering Professor Sudharsan is a Mechanical Engineer by training & practice with expertise in computational heat and fluid flow. He has several years of experience in the Industry as well as in Academics. His research interests are in the area of numerical modelling with applications to bio-heat & fluid flow, FSI (aerospace and offshore), electronic packaging (MEMS) and renewable energy. As a CFD Consultant he is involved in product development of various automotive components, wind turbines and development of High Pressure and High Temperature Equipment from concept to commissioning. His clients include VALEO, WABCO, L&T IES etc. He holds an MS in Mechanical Engineering from the California State University, Sacramento, USA, Ph.D., in Computational Heat Transfer/Bio-medical Engineering from the Nanyang Technological University, Singapore and a Post-Doctoral Fellowship with the Institute of High Performance Computing, A-Star, Singapore. He has several highly cited publications in the area of “engineering in medicine” and authored/co-authored over 30 International Journals papers and conference proceedings. The American Society of Mechanical Engineers’ Committee of Past Presidents has conferred the Fellow grade of membership for his outstanding engineering achievements and contribution to ASME. Currently there are 3500 Fellow Grade Members in the world. He was also awarded the NTU Alumni Service Award for the year 2014.



**Dr. Natteri. M. Sudharsan**

Dr. G. Thanigaiyarasu, Dean, Mechanical Sciences, Rajalakshmi Engineering College has an illustrious academic career spanning over 40 years in teaching, research and industrial consultancy in Engineering. Graduated from Government College of Technology, Coimbatore, he obtained his Post Graduate Degree in Engineering Design from College of Engineering, Guindy. He did his Doctorate in Engineering, in the field of Science of Materials at University Technology of Compiègne, CNRS France. His research work finds application in the design of helicopter turbine blades and structural component design of commercial aircrafts.

He has done extensive work in the area of design of components against Fatigue and Fracture of Materials as well as in Composite Materials. He has established a Fatigue and Fracture Laboratory using DST funding of Rs. 1.11 Crores. He has also contributed a lot in the design of nuclear components, space technology, combat vehicles and automobile components.

He was a member of several prestigious academic bodies such as Syndicate Committee of IIITD&M and Research Board of Ramachandra University. He has held a number of positions at Anna University such as Head of Mechanical Engineering, Member of Academic Council, Board of Studies and Director of Technology Development and Transfer. He has guided 10 Ph.Ds and one MS scholar in the Faculty of Mechanical Engineering and has guided more than 100 Master’s degree thesis and undergraduate project work to his credit. He has published 16 papers in International Journals and 25 papers in National Journals/



**Dr. G. Thanigaiyarasu**



# COURSES OFFERED

## UNDER GRADUATE COURSES OFFERED

B.E. AERONAUTICAL ENGINEERING  
B.E. AUTOMOBILE ENGINEERING  
B.E. BIO-MEDICAL ENGINEERING  
B.E. CIVIL ENGINEERING  
B.E. COMPUTER SCIENCE & ENGINEERING  
B.E. ELECTRONICS & COMMUNICATION ENGINEERING  
B.E. ELECTRICAL & ELECTRONICS ENGINEERING  
B.E. MECHANICAL ENGINEERING  
B.E. MECHATRONICS ENGINEERING  
B.Tech. BIO TECHNOLOGY  
B.Tech. CHEMICAL ENGINEERING  
B.Tech. FOOD TECHNOLOGY  
B.Tech. INFORMATION TECHNOLOGY

## POST GRADUATE COURSES OFFERED

M.E. AVIONICS  
M.E. ENGINEERING DESIGN  
M.E. COMMUNICATION SYSTEM  
M.E. COMPUTER SCIENCE & ENGINEERING  
M.E. SOFTWARE ENGINEERING  
M.E. MEDICAL ELECTRONICS  
M.E. EMBEDDED SYSTEM TECHNOLOGIES  
M.TECH BIO-TECHNOLOGY  
MASTER OF BUSINESS ADMINISTRATION

## RESEARCH PROGRAMS

M.S. COMPUTER SCIENCE & ENGINEERING  
M.S. ELECTRONICS & COMMUNICATION ENGINEERING  
M.S. ELECTRICAL & ELECTRONICS ENGINEERING  
M.S. MECHANICAL ENGINEERING  
M.S. BIO-MEDICAL ENGINEERING  
M.S. BIO-TECHNOLOGY  
M.S. INFORMATION TECHNOLOGY  
Ph.D. COMPUTER SCIENCE & ENGINEERING  
Ph.D. ELECTRONICS & COMMUNICATION ENGINEERING  
Ph.D. ELECTRICAL & ELECTRONICS ENGINEERING  
Ph.D. MECHANICAL ENGINEERING  
Ph.D. BIO-MEDICAL ENGINEERING  
Ph.D. BIO-TECHNOLOGY  
Ph.D. INFORMATION TECHNOLOGY  
Ph.D. CHEMISTRY  
Ph.D. MATHEMATICS