Dr. K. K. Rajan

Dr. K. K. Rajan graduated in Electrical Engineering from National Institute of Technology, Calicut,IN 1980. He joined the 24th batch of Bhabha Atomic Research Centre (BARC) Training school in the year 1980 and successfully completed one year training in all areas of Nuclear Engineering. He was posted to Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam in 1981 and was responsible for design, development and testing of critical Components of Fast Breeder Nuclear Reactors. He had made significant contribution to the commissioning and successful operation Fast Breeder Test Reactor at Kalpakkam.

He was responsible for the design, construction, commissioning and operation of major sodium and water test facilities along with testing of critical components of Prototype Fast Breeder Reactor (PFBR) at IGCAR. He has also contributed substantially during testing of PFBR instrumentation items. As Director, Fast Reactor Technology Group, he led different R & D activities for future FBRs. He was Co-convener of the taskforce responsible for the receipt and transfer of 1700 tonnes sodium required for PFBR to storage capacities. Considering his knowledge, experience and excellent coordination ability he was given the additional responsibility of Director, Engineering Services Group in IGCAR. He represented India in many international meetings related to Nuclear Energy such as

- IAEA theme meetings at Vienna, International Conference on Nuclear Engineering, ICONE-17 at Brussels Belgium,
- technical collaboration review meeting with CEA at Cadrache France, Fast Reactor and Fuel Cycle Technology Conference (FR-13),
- Co-ordination committee meeting at IAEA, Vienna
- and International Technical Review Meeting of Fast Reactor Designs in Korea at Daejeon, Korea.

He is recipient of Excellence in Science, Engineering and Technology group achievement award in 2009, as leader for Design, Construction, Commissioning and Operation SADHANA Loop which was for the Demonstration of Natural Convection in SGDHR Circuit of PFBR. He was also a member of the team, which received the above

award again for excellent team work in successfully accomplishing the activity titled Sodium Materials Testing Facility in IGCAR Kalpakkam in 2010.

Homi Bhabha National Institute (HBNI) Mumbai had awarded Ph.D. to him on his thesis "Compact Electromagnetic Flow Meters with Enhanced Sensitivity for Flow Measurement in Sodium Circuits". He was in the grade of **Distinguished Scientist** at the time of his retirement on superannuation, on 30th April 2016.

After retirement from service, Appointments Committee of the Cabinet (ACC) had initially appointed him as Independent Director of Nuclear Power Corporation of India Ltd for three years from January 2017. Based on his performance he was reappointed for another three year term, till January 2023. He is a member of various NPCIL Board Subcommittees and Chairman of the Board Subcommittee, empowered for monitoring the progress of all ongoing projects of NPCIL.

He was working in Viswajyothi College of Engineering and Technology, Muvattupuzha, since Ma 2016 as Professor, Department of EEE. Additionally, he was holding the responsibilities of

- Nodal officer, Innovation and Entrepreneurship Development Centre ,
- Chief Executive Officer Viswajyothi Incubation centre
- Dean, Industry Institute Interaction.
- And Focal point United nations Academic Impact, VJCET Chapter

He was the Principal Investigator of the Research project entitled "Development of Level Sensor for Lead Lithium Loop system", under Board of Research in Nuclear Sciences (BRNS) carried out at VJCET. Total amount sanctioned was 33.085 lakhs and the project was completed successfully in association with Institute for Plasma Research Ahmadbad.

As a part of International Industry institute interaction along with a team from VJCET he visited Hannover Messe Germany, European Universities, Industries and institutions and initiated international collaboration. He Initiated collaborative research with Bhabha Atomic Research Centre for shelf life extension pineapple fruit. He was the main coordinator of

- National Conference on Recent Trends in Power system technologies NCPRS 2016, organized on 22 and 23, June 2017,
- Nuclear Energy Awareness Seminar Organized on 30th September and 1st October 2016,

- BARC Outreach Programme on the theme Atomic Energy for Brighter Future at Viswajyothi College of Engineering and Technology, organized on 1st February 2018

- National conference on Emerging Trends In Power, Instrumentation Control And Computing Technologies(PICCT-2019) was conducted on 7^{th} -9^{th} August 2019.

All the above programmers were fully funded by BRNS and NPCIL. As part of Industry, Institute Interaction, he took initiative and signed MOU with 22 industries.

He is a member of

- Indian Nuclear Society,

- Instrument Society of India,

- The Indian Society for Technical Education (ISTE) and a Fellow of Institution of Engineers (India).

He has more than 88 publications in national and international journals and 131 national and international conference proceedings.

Dr K K Rajan is appointed as principal of Viswajothi College of Engineering and technology with effect from 16.06.2020.