AN OUTSTANDING ALUMNI WHO MAKE US PROUD!!!



Dr. Gordhabhai N. Patel

The alumni association of SPU is honored to present the fantastic achievements of our great Alumni, Dr Gordhanbhai Patel, one of the most outstanding Research Scientists of his adapted country USA, a man of rare abilities whose innovative and original research work in the diverse fields of chemistry, physics and biology have resulted in a wide variety of applications useful to the humanity at large. Today , he has gained word wide reputation with his unique technological innovations in the areas of disruptive technologies which were much ahead of time , these patented innovations have made huge impact in making our world safer and helping to save millions of lives from the ill effects of the deadly nuclear radioactivity , whether it is a nuclear power plant disaster or the cause of a dirty nuclear bomb or the ill radiation effects of the medical devices using radioactive material for diagnosis and treatment

Born in a small village in Patan District of Gujarat, he took. his schooling and college education at Vallabh Vidyanagar , for his postgraduate studies , both for the Master's program and for his Doctoral work at SPU he received numerous scholarships because of his brilliant academic career. Subsequently, he did extensive research work and taught at University in UK before moving to USA which became his main KARMABHOOMI and where he made huge strides in carrying forward his innovative research on a wide variety of areas, which were so far unexplored. These covered all fields of scientific disciplines in the exotic areas of chemistry (synthesis of new compounds), to physics (monitoring radiation) and to biology(synthetic blood) as evident by the highly competitive multi-million dollar grants he received from the US Government to do research on those projects and now has more than 125 patents and over 60 research publications, an unique feat achieved by a Scientist of Indian origin and a Gujarati NRI, making him rarest of rare in our large Indian Diaspora . He has a very broad and in -depth knowledge of a wide variety of scientific subjects with his extensive base of a solid academic background. He has worked in USA both at the leading academic institutions as well as at reputed corporations and where his unique research abilities have been well recognized not only by these entities but also by the US Government

In 1995, while he was employed by Allied/Honeywell, Morris Town, New Jersey, he invented a time - temperature indicator which became very profitable few years later, a typical time lag which occurs in the success of such state of the art products. In the same way, with a million dollar funding from the US Government, he developed a very life saving product after 3 years of hard work, a new oxygen carrying formulation as synthetic blood.

To give a further example of his success, the US Government funded the research and development of a radiation dosimeter card with nearly 3 million dollars and Gordhanbhai invested more than a few million dollars of his own to introduce the dosimeter to the market. SIRAD (Self -indicating Instant Radiation Alert Dosimeter) was recognized as one the small number of products for combating terrorism by a dirty bomb. The US Congress invited him to testify on his technology, a real honor for our Illustrious Alumni and his Dosimeter was displayed on the Capitol Hill along with 25 other products, such as drone planes and robots for combating terrorism. This event is exclusively only for Senators and Congressmen. When the Fukushima nuclear power plant disaster occurred in Japan in May 2011, Gordhanbhai supplied 1000 SIRAD dosimeters free on the first day, the US Government purchased and sent 30,000 dosimeters within a week to Japan and then he sold 400,000 dosimeters within months. It helped immensely countless Japanese Citizens to enable them to know their exposure and gave them a peace of mind that they are not exposed to high levels of radiation

To follow his passion, he has set up a multimillion dollar R & D as well as manufacturing facilities, JP Laboratories Inc in Middlesex, New Jersey. The facility includes a huge library where he had invested $

200,000 in books and journals. He has also also another manufacturing unit for production of radiation dosimeters and other products

He has received international recognition and been awarded most prestigious awards including "R &D -100" , "Excellence in Technology" and one of the most sought after "Edison Patent Award" . Gordhanbhai' s achievements with his extensive innovative work at the frontier of science in very diverse fields make him one of the most outstanding Alumni of SPU today . He has delivered more than 70 lectures as an invitee speaker to the leading scientific organizations all around the globe.

He lives a very simple life and keeps a very low profile. His family life and his research are two of his principle love and to which he is totally dedicated. Research and development work is similar to that of surgeons and lawyers. He has to read a lot, work in the laboratory, even draft applications for his patents which trait he has now mastered with extensive list of products patented by him. He is also a prolific writer, a poet and a very dedicated family man. He gives credit for his growth and success to his father and elder brother, both of them giving him immense support and inspiration and of course to his mother, a very highly intelligent, loving and caring lady, he acknowledges a deep debt of gratitude. He is also grateful to his mentor and teacher Prof R D Patel, a man of unique teaching abilities who later became Vice Chancellor of SPU. He also acknowledges the immense support given him by his son Paresh and daughter in law Hetal which are very critical in the later years of one's life.

Dr Gordhanbhai has rare qualities of patience, talent, expertise and courage to get into high risk oriented business of disruptive innovation, invest multi million dollars and then wait for years to bear fruit. In the past 30 years, he has developed 20 new products (which never existed before). He has licensed half of them and manufactures some of them, such as, SIRAD.

It would be extremely appropriate and very timely if the world scientific community, Government of India & SPU give him due recognition for his immense contribution by bestowing on him an appropriate award.

