

FUTURE PLANS FOR IEEE RELIABILITY SOCIETY CHAPTER, HYDERABAD

After being selected as Topper in IEEE RS fraternity in 2022, we are planning to expand our domains of activities. Specifically, after virtually attending RS AdCom meeting in Montreal on 3rd June, I found that RS Hyderabad could plan to:

A) Spreading awareness of Quantified RAM based Asset management in Industries.

Documented and audited Quantified RAMS (QRAMS) based maintenance techniques reduce the likelihood of frequent failures, downtime duration and capital investment, maintaining proper alignment of maintenance resources. These help in fault prevention, fault tolerance, fault removal and fault forecasting. A properly designed, scheduled, managed, executed and audited sustainable QRAMS based maintenance policy and expert judgement, provides optimal reliability and availability. Tasks associated with QRAMS based asset management are preparing system specifications, allocations of subsystem reliabilities, procurement policy, maintenance policy and reliability growth monitoring after installation.

B) Start subgroups for Women in Reliability Engineering and Young Professionals in Reliability Engineering,

I think it will be extremely beneficial to the participants of the WIRE and YPRE subgroups to have a mission guided by the group leaders, that drives these two groups to grow innovative and challenging ideas to help Industries and Society. Then the purpose would be clear to the participants and they can work towards it.

C) Get associated with “Public Health Management” activities of RS AdCom,

Our association would include newly planned PHM Journal of RS. Since I am personally connected with many Doctors, who agreed to work on this domain starting with the planned Workshop of Doctors in August 27th, it would be great to start this activity. The workshops from Doctors will be very beneficial to the community. I think if local healthcare providers support it through word of mouth promotion or by financially supporting the workshops, they can be made open to public for education and awareness purposes. It might prove helpful to save lives in crisis.

D) Start getting associated with RS AdCom activities on ‘Smart Village campaign’.

RS Hyderabad already interacted with Dr. S. N. Gupta, Chairman of Bharat IPv6, PM Vani WiFi6 and Blockchain Forums of India, through his Webinars in RS Hyderabad. Moreover, I am associated with the above forums as Guest Member through Dr. Gupta. Smart village campaign would provide an amazing opportunity for young professionals to get involved with. It will give them a platform to explore their creative solution finding and channel their energy constructively.

E) Safety Culture awareness

I am a member of Safety Culture Working Group of UK and recently reviewed a book on Grenfell tower Catastrophe, I think the safety and reliability culture can be propagated by making some of the events open to public or doing quarterly campaigns on certain safety topics like:

Safety in Industries and Domestic houses including High-rise Apartments, specifically considering when a household has elderly or toddlers living. This would cover Kitchen, Bedroom, Garage, Elevator and Electrical gadgets,

Safety at workplaces (both technical and human behavior)

Safety on the roads for Pedestrians and Vehicle Drivers,

Safety during Natural calamities,

Safety in Healthcare,

Safety in Schools,

Safety in Railway Level crossings and Platforms

Safety during Deepavali (a festival when Firecrackers are burnt in households) in India, -

F) Interaction with other IEEE Societies of Hyderabad Section and IEE RS Chapters worldwide

I think this drive would help IEEE Reliability Society Hyderabad chapter to lead from front.