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NAAC Accredited

**ENGINEERS WITH
SOCIAL RESPONSIBILITY**

Recipient of Centre of Excellence Award by the Government of Gujarat

Recipient of '5 Star' in GSIRF Ranking by Government of Gujarat

3.4.3 Number of Patents published / awarded during the last five years

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent	Link
Yash Vasavada, Yezdi Antia, David Alan Roos, Boyds, Ying Liu, Clarksburg, Walter Robert Kepley, III	US Patent 9578646	Interference compensation in uplink power control	2017	Weblink
Yash Vasavada, Neil H. Tender, Deepak Arur, Tariq Muhammad	US Patent 9674804	Apparatus and method for Synchronizing communication Between systems with different Clockrates	2017	Weblink
Yash Vasavada, Channasandra Ravishankar, Deepak Arur, Michael Parr , Del Mar	US Patent 9749035	Apparatus and method for Network level synchronization in Multiple low earth orbit (leo) Satellite communications systems	2017	Weblink
Prof Y Vasavada, R Gopal, S Kay, J Lykins, C Ravishankar	US Patent 10063311	System and Architecture for Space based and Mobile Terrestrial Sensor Vehicles and End to End Network for Aggregation and Processing Sensor Data	2018	Weblink
Prof Y Vasavada, N Benammar, D Arur, C Ravishankar	US Patent 10104594	Apparatus and Method for Efficient Handover for Low Earth Orbit (LEO) Satellite Systems	2018	Weblink

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent	Link
Prof Y Vasavada,C Ravishankar, J Corrigan, R Gopal	US Patent 10177837	Approaches for high speed global packet data services for LEO/MEO Satellite systems	2019	Weblink
Prof Y Vasavada, Y Antia	US Patent 10200885	Satellite Communication ranging	2019	Weblink
Prof Y Vasavada, C Ravishankar, D Roos	US Patent 10509097	Correcting satellite pointing directions	2019	Weblink
Prof Y Vasavada,C Ravishankar, J Corrigan, G Zakaria, X Huang	US Patent 10826596	Placement of calibration earth stations for ground based beam forming in satellite system	2020	Weblink
Prof Y Vasavada, C Ravishankar, J Corrigan, D Arur	US Patent 11029412	System and Method for Efficient Braoadcast of Satellite Constellation Ephemeris Information	2020	Weblink