



Twenty Eighth National
Conference on Communications



Workshop on “Standards Driven Research” at NCC 2022

24 May 2022, 1000-1700 IST



Workshop on “Standards Driven Research” at NCC 2022

Invited Talk

How is Industry facilitating SDR?

Jishnu Aravindakshan

Tejas Networks

Importance of Standards Driven Research

Sl. No	Enterprise	Total Annual revenue (M USD)	IPR revenue (M USD)	%	Ref
1	Qualcomm	23531	7233	31%	Ref
2	Mediatek	11597	752	6%	Ref
3	Nokia	25785	1654	6%	Ref
4	NEC	28166	1513	5%	Ref
5	Ericsson	27886	1200	4%	Ref
6	Apple	274515	11056	4%	Ref
7	Samsung	206022	2801	1%	Ref
8	Huawei	136717	931	1%	Ref
9	Cisco	49301	141	<1%	Ref

- \$ 26+ billion revenue of companies come from Standards Driven Research (SDR)
- Indian academia and research community can play a significant role in using the SDR to make a self-sustainable research ecosystem in India. US universities generated \$2.94 billion in licensing revenue in 2018.
- Academic ideas gets incorporated into industrial products which are deployed around the world.
- SDR can help in the employability of researchers in Industry
- Industry is willing to support the academic and research community in this endeavour



Industry support for SDR

- Help the academia/research to vet the idea from a market use case perspective.
- Form consortia to support bid for government funded research projects and making joint proposal.
- Support towards setting up research labs
- Support the SDR in the standards bodies where ever industry support is needed.
- License the technology developed through SDR after prototype testing
- Help with prototype testing in Industry labs with available industry test jigs.
- Help with field trials where required.
- Jointly work to improve and optimize the solution based on ground level feedback.



Thank You

< jishnu@tejasnetworks.com >