

Dear Sir/Madam,

Sub : Amitec IITD Cognitive Wireless Communication Software Defined Radio Laboratory SDR-LAB

We would like to introduce **Amitec & Indian Institute of Technology Delhi** jointly developed Cognitive Wireless Communication Software Defined Radio Laboratory SDR-LAB.

Cognitive Software Defined Radio has been listed as one of the “**10 Emerging Technologies That Will Change the World**” by **MIT Technology**

Review. SDR is an enabling technology with the potential to revolutionize Information and Communication Technology. SDR is a radio communication technology that is based on software defined wireless communication protocols instead of hardwired implementations. SDR provides an efficient and secure solution to the problem of building multi-mode, multi-band and multifunctional wireless communication devices. Applications of SDRs extend to vast and diverse areas such as the defence communication, telecommunication infrastructure, radars, etc. Pls check this link

<http://www2.technologyreview.com/article/405522/cognitive-radio/>

The Department of Information Technology, Govt. of India, under the category of R&D in Convergence, Communications and Broadband Technologies states, Representative List of Thrust Areas for Project Funding: “The following niche areas have been identified to be at par with the global trend and to ensure homogenous growth and development in R&D: Next Generation Communication & Convergence technologies (Software Defined Radio, Cognitive Radio including white spaces, Cooperative Communication, Cloud Computing/Communication over Cellular Network, Femto Cell, 60 GHz Wireless Network, Mobile Adhoc Network, Research in 4G/5G)” Thus, Cognitive Software Defined Radio is a Major Area of Focus and Development of the DIT too. Pls check this link

<http://deity.gov.in/content/representative-list-thrust-areas-project-funding>

Amitec products have been incorporated into several prestigious Academic Programs across the world in over 30 countries. In India, Amitec equipments have been supplied to all distinguished academic and research Institutions and customers, which includes all the IITs and NITs over the last 20 years. These progressive institutions have visualized the vast future potential and are preparing their students for it. Similarly, we believe that many more Institutions must take advantage of this technology and prepare their students for the future by setting up an SDR-LAB. Amitec would help you form the stepping stone towards enabling Cognitive Wireless Communication Software Defined Radio research and establishing an SDR-LAB at your institution.

Software Defined Radio is being added to syllabus of all universities. Anna, JNTU, Pune universities have already introduced it .

Towards setting up a SDR-LAB, we would suggest the following attached documents:

1. SDR-LAB Presentation
2. Product datasheet for SDR-LAB
3. Sole Authorized Distributor/Manufacturer's Proprietary Certificate.
4. Basic Video of SDR LAB can be watched <http://youtu.be/pY22R11dXz0>

Should you need any additional details or clarifications, please revert to us. Please visit www.sdr-lab.com for details.

Best Regards,



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Useful links: http://en.wikipedia.org/wiki/Software-defined_radio,
http://ossie.wireless.vt.edu/download/sdr_education/SDR_Oriented_New_BS_Curriculum_070619.pdf
http://www.cortexlab.fr/?page_id=2,
<http://www.sarkaritel.com/jitendra-singh-inaugurates-software-defined-radio-system/>,
http://www.wirelessinnovation.org/sdr_rate_of_adoption,
<http://deity.gov.in/content/representative-list-thrust-areas-project-funding>,
<http://ecewp.ece.wpi.edu/wordpress/wireless/projects/sdrlabs/>,
<http://www.iradio.ucalgary.ca/>,
<http://www.ece.gatech.edu/research/labs/bwn/CR/>,
http://www.cortexlab.fr/?page_id=2,
http://cores.ee.ucla.edu/index.php?title=Main_Page,
<http://www.ece.lsu.edu/labs/research-naraghi-pour-cr.php>,
https://research.nokia.com/cognitive_radio
http://www.unipune.ac.in/Syllabi_PDF/revised_2011/engg/Advanced_Trends_Telecommunication_12_4_12.pdf

Please follow us on these links for updates.<http://sdr-lab.com/>