

NISHA YADAV

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EDUCATION

MAHARISHI DAYANAND UNIVERSITY, Rohtak, INDIA

Apeejay College of Engineering (2008-2012)

Bachelor of Technology (B.Tech)

Specialization: **Electronics and Communication Engineering (67.8%)**

PROJECTS

- Manual robots & Line following Robots
- Designed amplifiers using OrCad Pspice

MAJOR PROJECT

Implementation of High Frequency Based RFID Technology Using Loop Antennas

Made an oscillator, an amplifier for power supply, to feed the Reader antenna, a Tag and designed a loop antenna to create a High frequency RFID link working at frequency of 13.56 MHz.

TRAINING AND CERTIFICATION

- Eight weeks Industrial Training at **Indian Agriculture Statistics Research Institute.**
(July, 2011 to August, 2011)
Project: Network project on livestock and Mussel farming
 - Created full database for a national survey on livestock and mussel farming in India using Microsoft Office Access for database designing and ASP.NET for linking the database to the webpage.
- Six weeks Industrial Training at **Mahanagar Telephone Nigam Limited (MTNL)**
(June, 2010 to August, 2010)
 - Learned about subscriber's connections via Switch room and about development and functioning of various technologies like broadband, Wi-fi and Wi-max.
- Four weeks Industrial Training in Robotics and Embedded 'C' with A grade (June, 2009 to July, 2009)
 - Microcontroller interfacing with sensors, DC motors, Steppers and servos, making basic sensors such as light detectors, colour detectors, sound detectors and MATLAB.

TECHNICAL SKILLS

- **Programming Languages,** : C,C++, AVR Studio, MATLAB, PSPICE (Orcad), Microsoft Office Access
- **Software & Operating System** : Microsoft Windows Vista/XP/Windows 7, ASP.NET, Embedded c
- **Hardware platforms** : AVR Atmega series, Basics of PIC, 8051
- **Languages** : Hindi, English, Basic German

EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Member of Indian Society for Technical Education (ISTE), REFLECTIONS (college magazine), Co-ordinator of ARDOUR robotic society
- Co-ordinated workshops on OrCAD, Soldering, Robotics, Ethical Hacking and LCD programming, Zonal rounds of ROBOTRYSTs'2010,
- Secured 3rd position in collage making and participated in many events in SAKSHAMA, 2010 at Engineering College Bikaner.
- Received certificate of excellence for participation in workshop on RENEWBOTIX, held at BITS PILANI, Robotics Outreach program of Cognizance 2009 by IIT ROORKEE in association with Robosapiens India.
- Participated in the INTERNATIONAL CONFERENCE AND EXHIBITION on NANOTECHNOLOGY and SOLAR PHOTOVOLTAICS, Recent Trends In Engineering & Mathematical Sciences (NCRTEMS-2011), Presented paper on **5G** at APPLICATION of RECENT ADVANCES in SCIENCE AND TECHNOLOGY (ARASAT-2011),
- Participated in National Literacy Program and received certification from JAMIA MILLIA ISLAMIA University in School.