

# APURV AGRAWAL

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## EDUCATION

**Krishna Institute of Engineering and Technology (KIET), Ghaziabad (UP)**

(Dr. A.P.J.A.K.T.U) B.Tech

Electronics and Communication Engineering

**June 2017**

Percentage: **75.88**

**St. Francis Inter College, Hathras (UP)**

(CBSE) Class 12<sup>th</sup>

**May 2012**

Percentage: **80.60**

**St. Francis Inter College, Hathras (UP)**

(CBSE) Class 10<sup>th</sup>

**May 2010**

Percentage: **76.00**

## TECHNICAL SKILLS

- Basics of C
- NI LabVIEW
- Proteus

## PROJECTS

S.NO.	PROJECT	TEAM SIZE	ROLE	MATERIAL USED	INNOVATION
1.	Solar Panel Monitoring and Controlling Using NI LabVIEW (Sept 2016 to May 2017)	4	Team Lead	<ul style="list-style-type: none"><li>○ Solar Panel</li><li>○ myDAC</li><li>○ WSN Nodes</li></ul>	<ul style="list-style-type: none"><li>○ Tracking of Sun</li></ul>
2.	Energy Efficient Florescent Tubelight Using Triangular Reflector Sheet (Oct 2015 to Jan 2016)	3	Team Leader	<ul style="list-style-type: none"><li>○ WSN Nodes</li><li>○ Intensity Meter</li><li>○ AI Sheet</li></ul>	<ul style="list-style-type: none"><li>○ Design and Placement of Reflector</li></ul>
3.	Energy Production Using Reciprocating type Wind Energy Harvester System (June 2015 to March 2016)	4	Ideator	<ul style="list-style-type: none"><li>○ Diaphragm</li><li>○ Gear System</li><li>○ Dynamo</li></ul>	<ul style="list-style-type: none"><li>○ Energy Generation From Hoardings and Bill Boards</li><li>○ Free From Betz Law</li></ul>
4.	Energy Production And Drag Reduction In Vehicles By Duct Connected Turbine (Jan 2015 to March 2015)	4	Design Head	<ul style="list-style-type: none"><li>○ Dynamo</li><li>○ Modular Truck</li><li>○ SMD's</li></ul>	<ul style="list-style-type: none"><li>○ Arrangement of Duct Turbine System</li><li>○ Drag Reduction System</li></ul>
5.	Energy Production In Automobile Vehicles Through Rim Mounted PZT Benders (Oct 2014 to March 2015)	2	Leader, Technical Head	<ul style="list-style-type: none"><li>○ Piezoelectric</li><li>○ Rectifier</li><li>○ Amplifier</li></ul>	<ul style="list-style-type: none"><li>○ Placement of PZT Benders</li><li>○ Fabrication of PZT</li></ul>

## EXPERIENCE

Fabricated a Project under Guidance of **Professors** and **Ph.D. Scholars** at **IIT Bombay Labs**

**Feb-2016**

**Team Leader** of Project in **All India Student Research Convention** event at **IIT Kanpur**

**Mar-2015**

## RESEARCH AND PAPER PRESENTED


Presented a Paper on “*Energy Production In Automobile Vehicles Through Rim Mounted PZT Benders*” in **IEEE Supported National Conference** at ABES College, Ghaziabad **Feb-2015**

Published Research Paper on Energy Efficient Smart Tubelight Technology using NI LabVIEW **Dec-2016**

[http://www.ijetae.com/files/Volume6Issue12/IJETAE\\_1216\\_34.pdf](http://www.ijetae.com/files/Volume6Issue12/IJETAE_1216_34.pdf)

Examined the behavior of **Nd-YAG laser** on **HP LaserJet Printed Paper** for Inventing, The “**Un-printing Technique**” **Nov2013–July 2016**

## TRAINING

Gained knowledge of **SPV (Solar Photo-Voltaic) Cell**, **RADAR Element (Phase Shifter)** and **Piezoelectric** manufacturing and their working at **Central Electronics Limited (CEL)**,  Sahibabad (UP) **June-July 2016**

Learned about the **Sensors** used and their **working** at **NTPC**, New Delhi, India **June-July 2015**

## ACADEMIC HONOURS

VENUE	COMPETITION	ACHIEVED	REWARDS	DATE
IIT KANPUR-TECHKRITI'16	Innovation In Manufacturing Practices- IMP'16 (National Level)	1 <sup>st</sup> position	Rs. 1,00,000/-	Mar-2016
IIT BOMBAY-HACKATHON'16	MAKE IN INDIA Week- Energy Category	Among Top-10	Participation	Feb-2016
KIET, UDDESHHYA'15	Innovation Idea for Social Welfare-2015	1 <sup>st</sup> position	Institute Level Prize	Nov-2015
IIT ROORKEE-COGNIZANCE'15	“IDEAZ-EC”	1 <sup>st</sup> position	Rs. 11,000/-	Mar-2015
IIT KANPUR-TECHKRITI'15	All India Student Research Convention-AISRC (National Level)	1 <sup>st</sup> position	Rs. 35,000/-	Mar-2015

## CO-CURRICULAR ACHIEVEMENTS

**First Prize in Musical Theater** at Institute level and Departmental level, KIET **Oct-2015**

**First prize in Technical Paper** Presentation at College Techfest **Oct-2014**

**First prize in Innovative Project Ideas** competition at EPOQUE, KIET **Mar-2014**

**First prize in Group Discussion** in Applied Science Department, KIET **Sept-2013**

## MANAGEMENT SKILLS

Coordinated (from KIET) National level Inter College quiz competition at Ideal College of Engg., Ghaziabad **Oct-2015**

**Directed** and **Acted** in a Mime Drama Comprising a Team of 8 members, KIET **Sept-2015**

## INTERESTS

Digital Electronics  
NI LabVIEW  
Renewable Energy

## OTHERS

Un-Ceremonial Dancing  
Cooking