

# 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

- Working in **Network Operation Centre** at **Bharti Airtel Limited**, Gurugram, Haryana **Feb-2017**
- 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
<b>IIT KANPUR-TECHKRITI'16</b>	Innovation In Manufacturing Practices- IMP'16 (National Level)	<b>1<sup>st</sup> position</b>	<b>Rs. 1,00,000/-</b>	Mar-2016
<b>IIT BOMBAY-HACKATHON'16</b>	MAKE IN INDIA Week- Energy Category	<b>Among Top-10</b>	<b>Participation</b>	Feb-2016
<b>KIET, UDDESHHYA'15</b>	Innovation Idea for Social Welfare-2015	<b>1<sup>st</sup> position</b>	<b>Institute Level Prize</b>	Nov-2015
<b>IIT ROORKEE-COGNIZANCE'15</b>	“IDEAZ-EC”	<b>1<sup>st</sup> position</b>	<b>Rs. 11,000/-</b>	Mar-2015
<b>IIT KANPUR-TECHKRITI'15</b>	All India Student Research Convention-AISRC (National Level)	<b>1<sup>st</sup> position</b>	<b>Rs. 35,000/-</b>	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