



**PANIPAT INSTITUTE OF  
ENGINEERING & TECHNOLOGY**

Approved by A.I.C.T.E & Affiliated to Kurukshetra University, Kurukshetra

Department of  
**ELECTRONICS  
AND  
COMMUNICATION  
ENGINEERING**  
presents



# ELECTRONIC@

*First edition of Departmental magazine*

2018

**Regular  
Activities**

Glance at the regular activities conducted by Department of ECE for student's overall growth

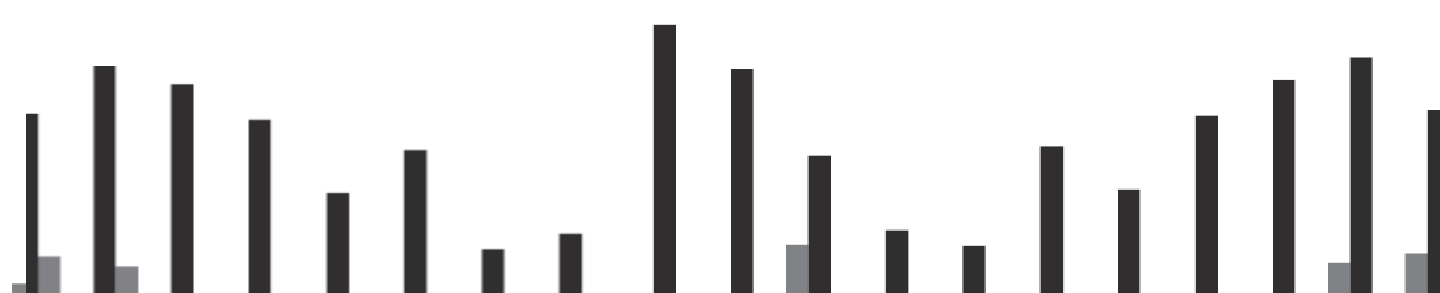
**Articles**

Articles on latest technology by students and teachers.

**Quiz  
and  
Crossword**

Brain storming quiz and crossword on the subject of electronics .

And much more.....



# ECE DEPARTMENT

## *Vision:*

To excel globally in technical education and research in the field of electronics and communication engineering and thus contribute to the welfare of society.

## *Missions:*

- **M1:** To establish a unique learning environment to enable the students to face the ever-emerging challenges in electronics and communication engineering.
- **M2:** To equip the students with a broad intellectual spectrum and prepare them for diverse and competitive career paths.
- **M3:** To provide practical orientated education and foster tie-up with national/international educational institutes, research bodies, and industry to support students and faculty development pursuits.
- **M4:** To provide ethical and value-based education by promoting activities addressing societal needs.

## *Program Educational Objectives (PEOs)*

- **PEO1:** Be able to successfully practice electronics and communication engineering with acquired skills and knowledge.
- **PEO2:** Be receptive to new technologies and attain professional competence through advanced education, research work, and other professional activities.
- **PEO3:** To prepare graduates who will practice their profession with ethics, integrity, and social responsibility in a global context.
- **PEO4:** To develop leadership qualities with demonstrable attributes and to contribute to societal needs

# FROM HOD'S DESK

*I am exhilarated in presenting you with the first issue of the magazine "Electronica" which is a blend of the most recent trends and activities in the Electronics and Communication Engineering field and also the creative work of young engineers plus some brainstorming sessions. I am glad to pen for this wonderful magazine as an appreciation of the commendable efforts put forth by the team of the Electronics department for its grand beginning. The release of this spectacular first issue of the magazine is a result of their constant efforts. I hope you all enjoy going through the contents of this magazine.*



**Prof. Swati Gupta**

*Please feel free to drop in your suggestions to :  
Swatigupta.ece@piet.co.in*

# FROM EDITOR

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*It is a matter of pride as well as pleasure to present before our readers first edition of Department Magazine. We feel honored for the faith reposed in us for performing the role of editors. We have put whole-hearted endeavors to give a complete and kaleidoscopic view of laudable achievements of ECE department. Through further issues of Magazine, we do hope that we will come up to the expectations of our readers.*



**Ms. SAPNA ARORA**  
**ASSISTANT PROFESSOR, ECE**



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**ACADEMIC TOPPERS**

<b>YEAR</b>	<b>Sr.no</b>	<b>Roll no</b>	<b>Name</b>	<b>Position</b>
<b>4<sup>TH</sup></b>	<b>1</b>	<b>2814233</b>	<b>DHEERAJ AHUJA</b>	<b>1<sup>ST</sup></b>
	<b>2</b>	<b>2814246</b>	<b>YASH CHAUDHARY</b>	<b>2<sup>ND</sup></b>
	<b>3</b>	<b>2814226</b>	<b>SHBHAM MAKKAR</b>	<b>3<sup>RD</sup></b>
<b>3<sup>RD</sup></b>	<b>1</b>	<b>2815289</b>	<b>HEENA</b>	<b>1<sup>ST</sup></b>
	<b>2</b>	<b>2815291</b>	<b>ABHISHEK</b>	<b>2<sup>ND</sup></b>
	<b>3</b>	<b>2815258</b>	<b>MADHU</b>	<b>3<sup>RD</sup></b>
<b>2<sup>ND</sup></b>	<b>1</b>	<b>2816271</b>	<b>SAHIL</b>	<b>1<sup>ST</sup></b>
	<b>2</b>	<b>2816274</b>	<b>PIYUSH</b>	<b>1<sup>ST</sup></b>
	<b>3</b>	<b>2817924</b>	<b>GAURAV KUMAR</b>	<b>2<sup>ND</sup></b>
	<b>4</b>	<b>2816270</b>	<b>VAISHALI</b>	<b>3<sup>RD</sup></b>

# INDUSTRIAL VISIT

TO



To Provide better knowledge about the real practical environment in Industry & Workstations to our engineering students, ECE department conducted a visit to [Indo-Asian Electric Pvt. Limited](#), Murthal Sonipat On Dated 31/01/2019.

At Indo-Asian Murthal, students of B.Tech ECE [2<sup>ND</sup> and 3<sup>rd</sup> year] got the detailed knowledge about the various processes involved in the manufacturing & production of MCB, HRC Fuses, Change over switch , Distribution Panels & boards and other LV Switchgear products.

During this industrial visit, students also saw the electrolysis plant and got the detailed knowledge about the Electroplating of Silver, Zink, Nickel, Copper etc. over the various components.





A complex network diagram with various nodes and connecting lines. Nodes are represented by circles and ovals in shades of blue, black, and grey. Lines connect these nodes, creating a web-like structure. Some nodes are highlighted with larger, more prominent shapes.

# ACTIVITIES & WORKSHOPS

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DEPARTMENT OF ECE



# Wireless Sensor Network

*STC was organised on self configured wireless sensor network through ICT (NITTTR Chandigarh)*

***From***  
***30 July 2018***  
***To***  
***3 Aug 2018***

***Following Topics were discussed under this programme:***

- Introduction to Self Configured Wireless Sensor Networks***
- VAN: Issues and Challenges***
- WSN 802.15.4 standard-Zigbee***
- Issues in Adhoc Networks***
- Environmental Monitoring***
- Agriculture Monitoring***

# OPTICAL FIBER & SPLICING

- One day Seminar on "OPTICAL FIBER & SPLICING".
- The topics covered under this program were:
  - Basics of Optical Fiber and its applications
  - Hands on Mechanical.

*Speaker- Dr. J.K Chabbra*

*Venue- E block, ground floor, seminar hall.*

*Date- 27th March, 2019*



# AUTOKRITI WORKSHOP

A 3 day Workshop was organized by Autokriti, NIT Kurukshetra from 5 Oct to 7 Oct 2018. on Automobiles and other latest technology .

Topic covered were :

1. Introduction to Python
2. Machine Learning
3. PCB designing (Eagle)
4. Internet of Things IoT
5. Arduino (Introduction)

Following Studnets of the ECE Department participated in the workshop.

Name	Year	Roll no.
Meghna	3 <sup>rd</sup>	2816280
Gourav	3 <sup>rd</sup>	2817924
Ashish	3 <sup>rd</sup>	2817922
Megha	3 <sup>rd</sup>	2817272
Nitesh	3 <sup>rd</sup>	2816253



# IOT WORKSHOP

Two days workshop on IOT was organised by ECE department from 14 January to 15 January 2019.

- It was conducted by Mr. Arun Rana and Mr. Ishant Munjhal .
- The topics covered under this program were:
  - ❑ Introduction to the Internet of Things
  - ❑ The Arduino Platform
  - ❑ Reading from Sensors
  - ❑ Arduino Programming & Interface of Sensors
  - ❑ Programming fundamentals ( C language





## Projects discussed were :

- i) Project 1:  
*Integrating Sensors & Reading Environmental Physical Values.*
- ii) Project 2:  
*Reading Environmental Values on Android Smartphone*
- iii) Project 3:  
*Voice Controlled Mini Home Automation using Android Smartphone*
- iv) Project 4:  
*Control Devices using Local host Web Server for Home Automation.*
- v) Project 5:  
*Send Voltage& Analog Data on Cloud Server*
- vi) Project 6:  
*Control Electronic Devices with MATLAB*
- vii) Project 7:  
*Control Electronic Devices from anywhere across the world using Internet & Mobile App.*
- viii) Project 8:  
*Use Arduino to Upload free data from Environmental Sensors to Cloud*



# ENGINEER'S DAY CELEBRATION

As a tribute to greatest Indian Engineer, Bharat Ratna Mokshagundam Visvesvarya, Department of ECE organized circuit Junkies, Extempore and crossword competition on 14<sup>th</sup> Sept, 2018. Students from all years participated in the events.

Events organised were :

Crossword  
Circuit Junkies  
Poster making

Event	Name	Year	Roll no.	Position
<b>CROSSWORD</b>	Aakash	3 <sup>rd</sup>	2817921	1 <sup>st</sup>
	Sahil	3 <sup>rd</sup>	2816271	2 <sup>nd</sup>
	Aasis Kumar	2 <sup>nd</sup>	2817282	2 <sup>nd</sup>
	Megha	3 <sup>rd</sup>	2817272	3 <sup>rd</sup>
<b>CIRCUIT JUNKIES</b>	Rahul , Vivek	2 <sup>nd</sup>	2817275 2817277	1 <sup>st</sup>
	Rajkumar , Aasis	2 <sup>nd</sup>	2817253 2817282	2 <sup>nd</sup>
	Sanyam, Riya	2 <sup>nd</sup>	2817291 2817278	2 <sup>nd</sup>
	Bhisham, Rajnikant	4 <sup>th</sup>	2815256 2815280	3 <sup>rd</sup>
<b>POSTER MAKING</b>	Rahul	2 <sup>nd</sup>	2817275	1 <sup>st</sup>
	Surajdeep	2 <sup>nd</sup>	2817280	2 <sup>nd</sup>

# ENGINEER'S DAY CELEBRATION



GLIMPSE  
Of



The  
Event

# Maestros 2019

Every year Department Of Electronics And Communication Engineering, PIET conduct technical events as a part of Maestros. This year also certain technical events organized by ECE DEPT. were the part of Maestros 2019 :

## ELECTRO EXPO

&

## CIRCUITRON

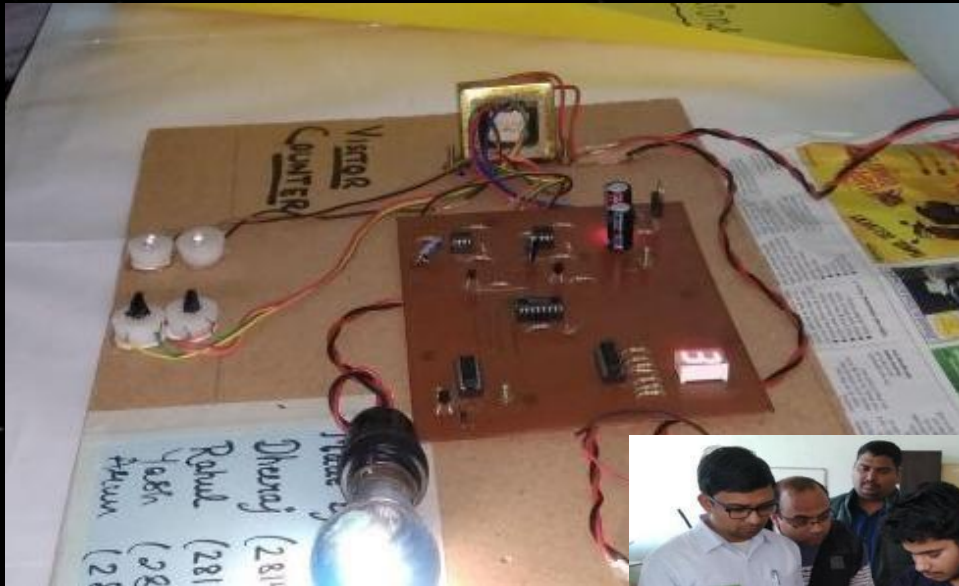
**Position Holders of the Circuitron :**

Sr. no	Name	Year	Roll no.	Position
1	Sahil	3 <sup>rd</sup>	2816271	1 <sup>st</sup>
	Piyush		2817274	
2.	Sanyam	2 <sup>nd</sup>	2817291	2 <sup>nd</sup>
	Monika		2817289	



# Maestros 2019

## ELECTROEXPO



## CIRCUITRON



YANTRA CLUB



ELECTRONICA



# TECHNICAL ARTICLES





# Ultra Fast Charging

*Imagine a situation when you are in a hurry and your phone is not charged. At this situation one finds himself helpless and has no option other than to wait. Wonder if your phone gets full charge with in few minutes instead of some hours. This thing is possible thanks for evolving fast charging technology.*

*USB specification only sends 0.5 amps (A) of current using 5 volts (V) for just 2.5 watts (W). Fast charging technologies boost these figures.*

*Before we start with fast charging, let's quickly understand how traditional charging technologies work. When you plug your phone to a power adaptor, electrical power (Watts) is converted to current (Amperes) and transferred through the cable to the batteries. In case of mobile phones, most of these batteries are made of Lithium-ion.*

As the current reaches the battery, a chemical reaction causes ions from the negative terminal of the battery to travel towards the positive terminal, where energy is stored. These batteries are also equipped with a small electronic controller (integrated circuit), which prevents overcharging.

Fast charging increases the current sent to the battery to fill up its capacity quicker. The basic USB specification only sends 0.5 amps (A) of current using 5 volts (V) for just 2.5 watts (W). Fast charging technologies boost these figures.

Power output (Operating Voltage and Current)	0.5 - 15W	15 - 27W	27 - 45W	45 - 60W	60 - 100W
5V	0.1 - 3.0A	3.0A (15W cap)	3.0A (15W cap)	3.0A (15W cap)	3.0A (15W cap)
9V		1.67 - 3.0A	3.0A (27W cap)	3.0A (27W cap)	3.0A (27W cap)
15V			1.8 - 3.0A	3.0A (45W cap)	3.0A (45W cap)
20V				2.25 - 3.0A	3.0 - 5.0A





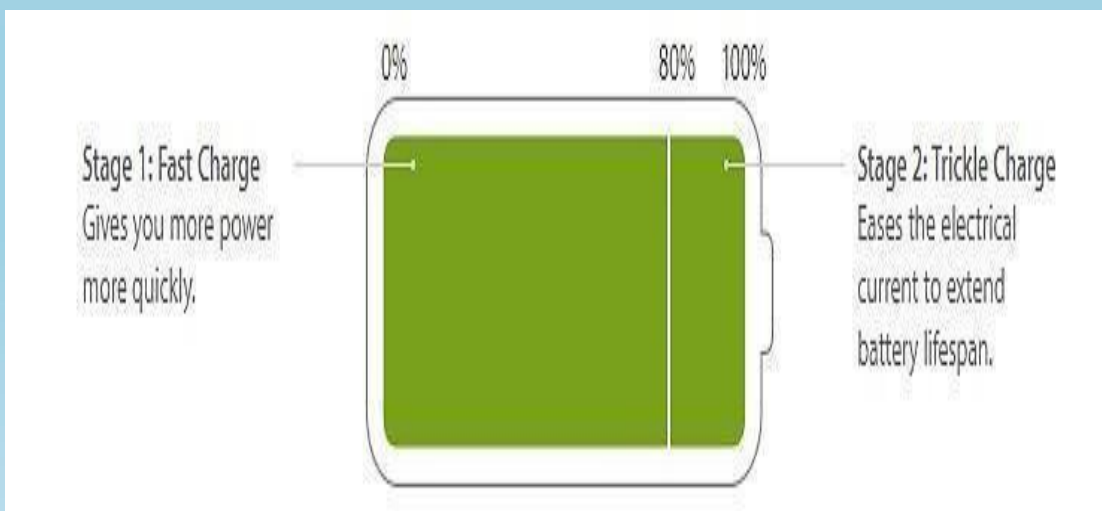
## **How does fast charging work?**

The fast charging follows the same principle as the standard charging but the electrical power (Ampere) converted and transferred via the cable is much higher than that of a standard charger. A standard adaptor's voltage ranges from as low as 2 volts to 4.2 volts with a relatively low electrical transfer rate. However, a fast charging adaptor is capable of building a much higher voltage (5V-12V) with a faster electrical transfer until the battery reaches its peak voltage capacity.

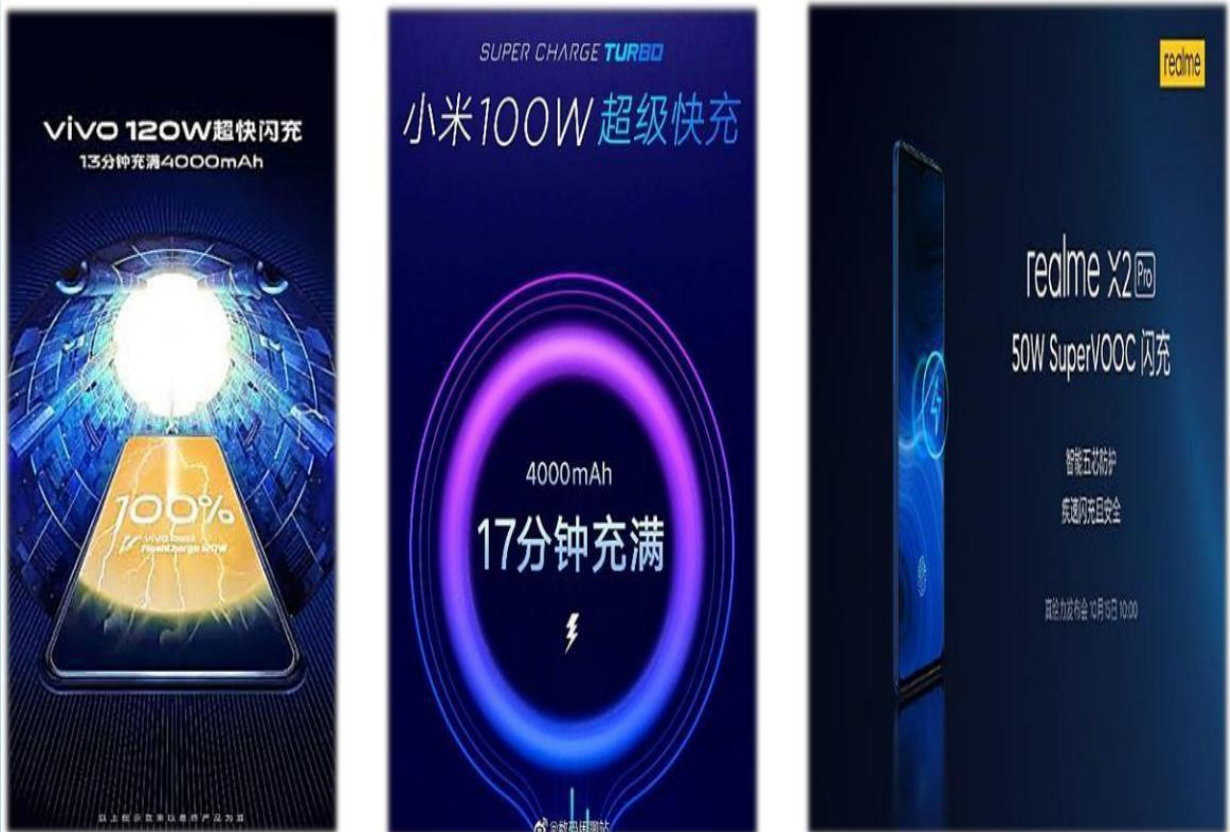
## **What does peak voltage capacity mean?**

It is the optimum capacity of a battery to charge quickly. As the battery reaches 50 to 60 per cent (peak voltage capacity of standard batteries), the electronic controller (IC) drops down the voltage intakes to prevent battery damage.

A fast charger does not follow these rules as much. It pumps as much as current (Amperes) as it can, to quickly charge the battery. Many of us may wonder why high voltages do not damage the battery? As the fast charging devices have a higher peak voltage capacity batteries and specially designed ICs, so it can pretty high voltages with ease.



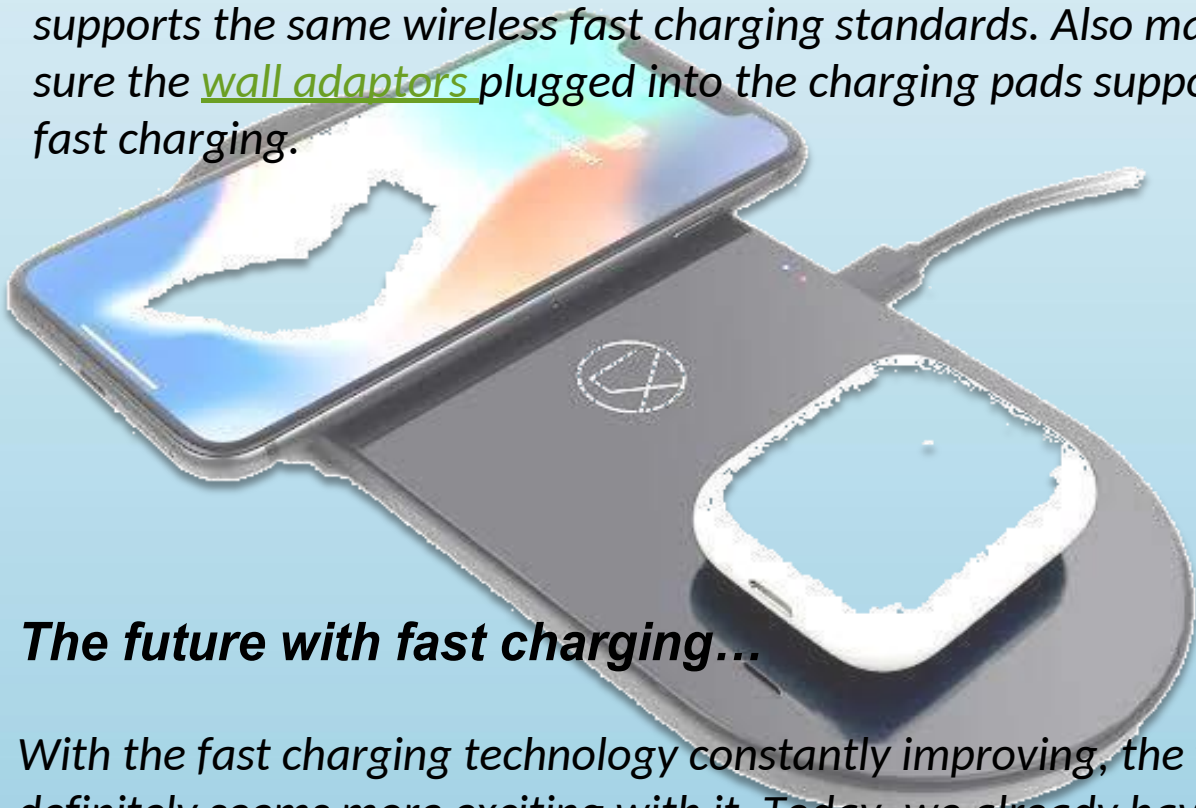
*These devices generally have a peak voltage capacity of 80 per cent which is the reason fast charging is most effective when the battery percentage is below 50 percent.*



*The entire fast charging process is divided into two phases. The constant phase where the battery voltage steadily increases to reach the highest peak voltage capacity which is then followed by the trickle stage, where the voltage drops down to fully charge the battery. The voltage dropdown keeps battery safe from overheating issues and also extends its lifespan.*

## **What about wireless fast charging?**

Wireless charging is really convenient, however charging speeds are not great as compared to the wired ones. Most of the wireless chargers, due to limited on-board cooling systems have slower charging speeds. However, there are a few brands which make fast charging-pads which significantly boosts up wireless charging speeds. But you need to make sure your phone supports the same wireless fast charging standards. Also make sure the wall adaptors plugged into the charging pads support fast charging.



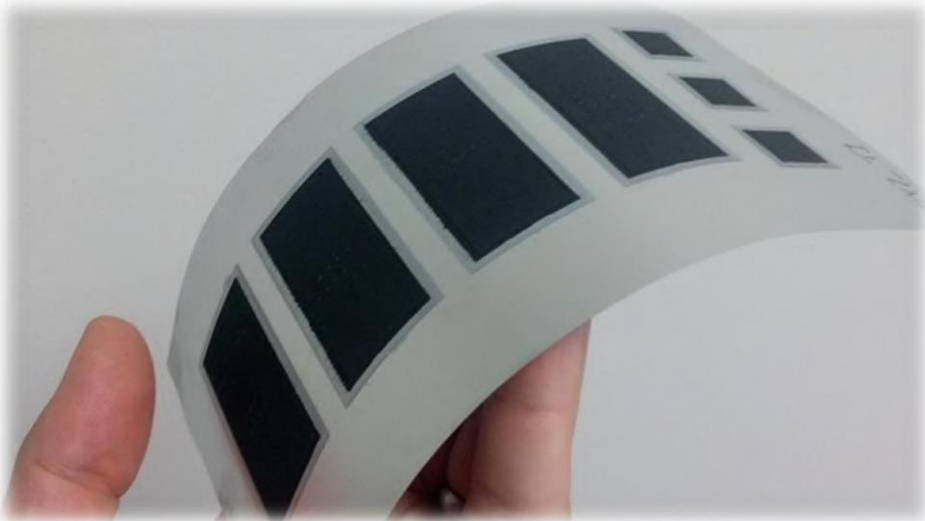
## **The future with fast charging...**

With the fast charging technology constantly improving, the future definitely seems more exciting with it. Today, we already have brands such as OnePlus, Oppo and many more which can even charge our phones fully just under 15 minutes.

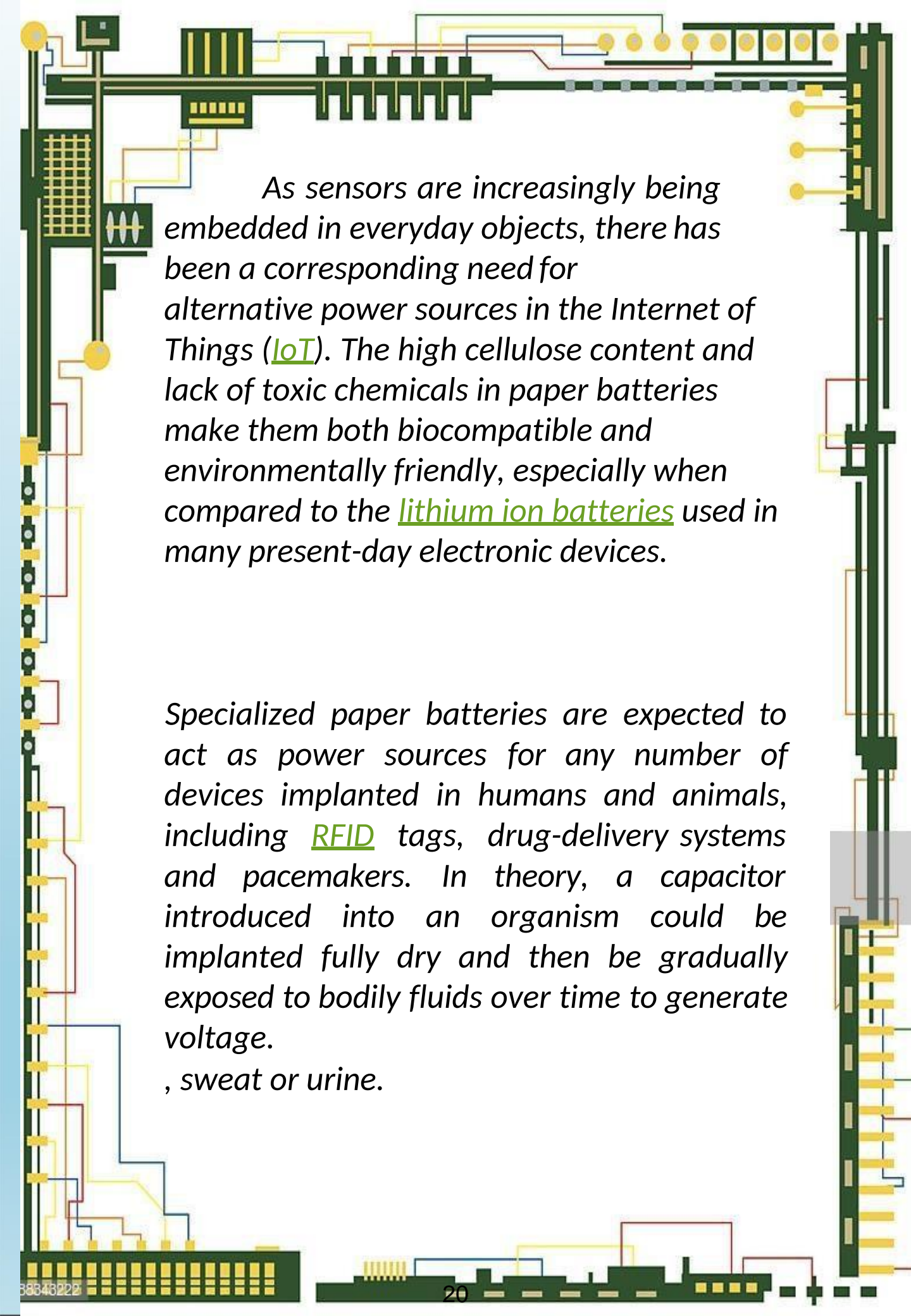
Realme has also introduced fast charging in its recently launched Realme X2 PRO with 50W charging which charge the phone to full capacity within 27-35 minutes. However, Xiaomi and Vivo has announced fast charging of 100W & 120W claiming to fully charge your phone within 17 & 13 minutes .

# PAPER BATTERY

A paper battery is a thin, flexible energy production and storage device that is formed by combining carbon nanotubes with a conventional sheet of cellulose-based paper. In addition to being disposable, paper batteries may be folded, cut or otherwise shaped for different applications without any loss of integrity or efficiency.

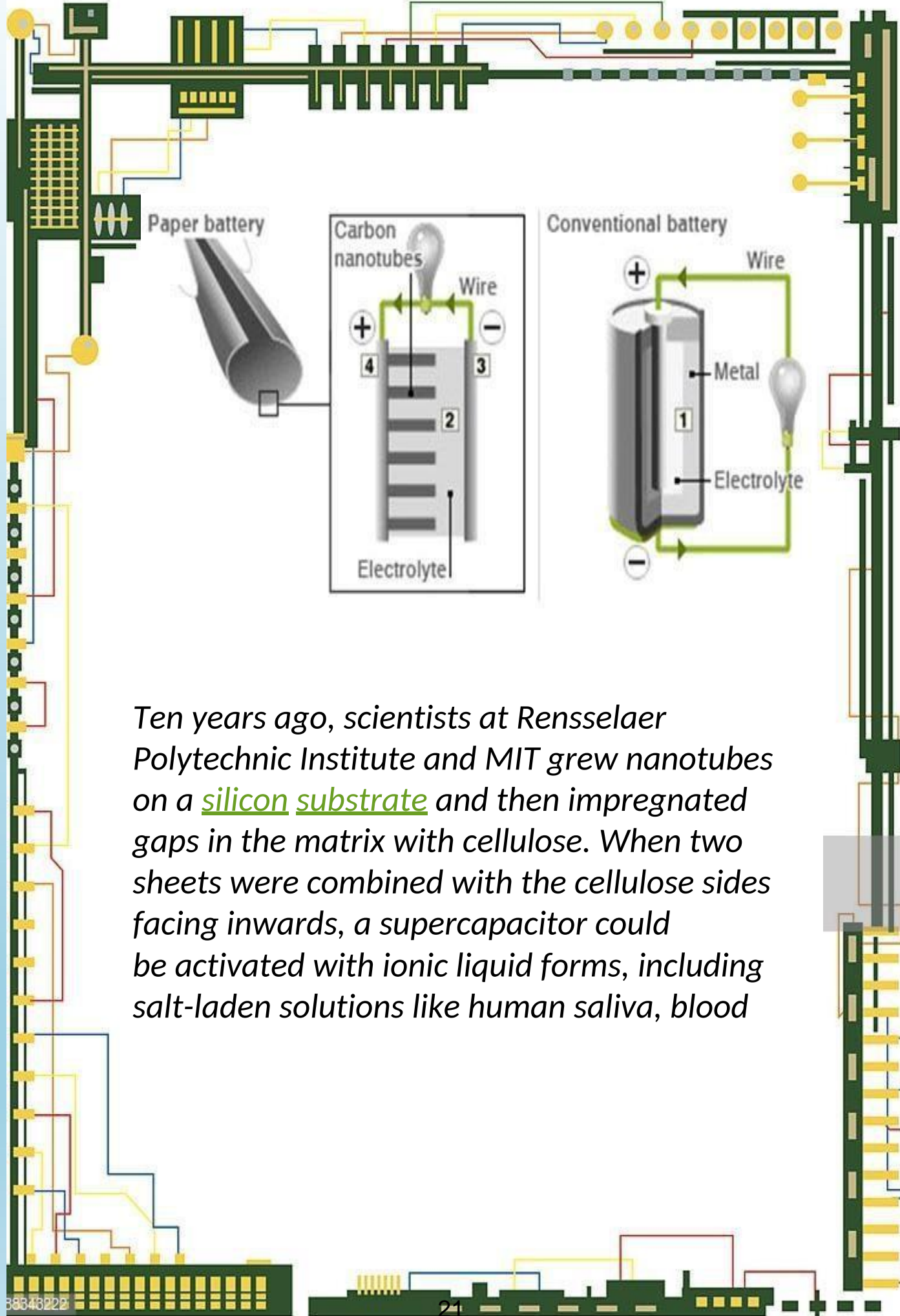






As sensors are increasingly being embedded in everyday objects, there has been a corresponding need for alternative power sources in the Internet of Things ([IoT](#)). The high cellulose content and lack of toxic chemicals in paper batteries make them both biocompatible and environmentally friendly, especially when compared to the [lithium ion batteries](#) used in many present-day electronic devices.

Specialized paper batteries are expected to act as power sources for any number of devices implanted in humans and animals, including [RFID](#) tags, drug-delivery systems and pacemakers. In theory, a capacitor introduced into an organism could be implanted fully dry and then be gradually exposed to bodily fluids over time to generate voltage.  
, sweat or urine.



Ten years ago, scientists at Rensselaer Polytechnic Institute and MIT grew nanotubes on a silicon substrate and then impregnated gaps in the matrix with cellulose. When two sheets were combined with the cellulose sides facing inwards, a supercapacitor could be activated with ionic liquid forms, including salt-laden solutions like human saliva, blood

Recently, researchers at the State University of New York printed thin layers of metals and polymers onto a paper surface that contains freeze-dried exoelectrogens, a type of bacteria that can transfer electrons outside the bacteria's cellular walls. Any type of bio-liquid can be used to revive the exoelectrogens and activate the paper battery by allowing bacteria to pass through cell membranes and make contact with external electrodes.





# Flexible Electronic Display

*Flexible electronics are increasingly being used in a number of applications which benefit from their low profile, light weight, and favorable dielectric properties.*



*However, despite these advantages, the range of practical, high-volume, applications for flexible electronics will remain limited in the future unless a number of challenges related to lithographic patterning on flexible substrates are successfully addressed.*



# Five benefits of flexible electronics for displays and sensors :

## Flexible

This platform has enabled the development of flexible organic LCDs (OLCDs)

## Light and thin

Display thickness and weight are especially important features for applications that require large area displays such as automotive and digital signage.

## Unbreakable

One property of flexible electronics which deserves to be highlighted is their robustness.



## Cost advantage

Roll to roll printing has been long considered the ultimate approach to the cost-effective manufacture of electronics over large and small areas

## Innovation

For brands and designers to keep innovating and developing next generation products, they need tools and components that will enable them to do this.



## Its wide variety of applications..

1. Smart Cards, Electronic Paper
2. Mobile communications
3. Personal computers/  
portable displays/E-Readers
4. Large area displays
5. Wearable Electronics
6. Automotive Applications
7. Non-display Applications (toys, plastic arts etc.)
8. Electronic billboards



M. S. Ramaiah Institute of Technology

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The most critical of these pertain to system parameters that affect the cost and performance of flexible circuits, including the resolution, panel size, process throughput, substrate distortion, material handling, and yield.



SANYAM JAIN  
ECE 2<sup>ND</sup> YR



# SOLAR PANEL

## Introduction :

- *A solar cell, or photovoltaic cell is an electrical device that converts the energy of light directly into electricity by the photovoltaic effect, which is a physical and chemical phenomenon.*
- *It is a form of photoelectric cell, defined as a device whose electrical characteristics, such as current, voltage, or resistance, vary when exposed to light. Solar cells are the building blocks of photovoltaic modules, otherwise known as solar panels.*
- *Solar cells are described as being photovoltaic, irrespective of whether the source is sunlight or an artificial light.*
- *They are used as a photodetector (for example infrared detectors), detecting light or other electromagnetic radiation near the visible range, or measuring light intensity. Solar panels absorb the sunlight as a source of energy to generate electricity or heat.*

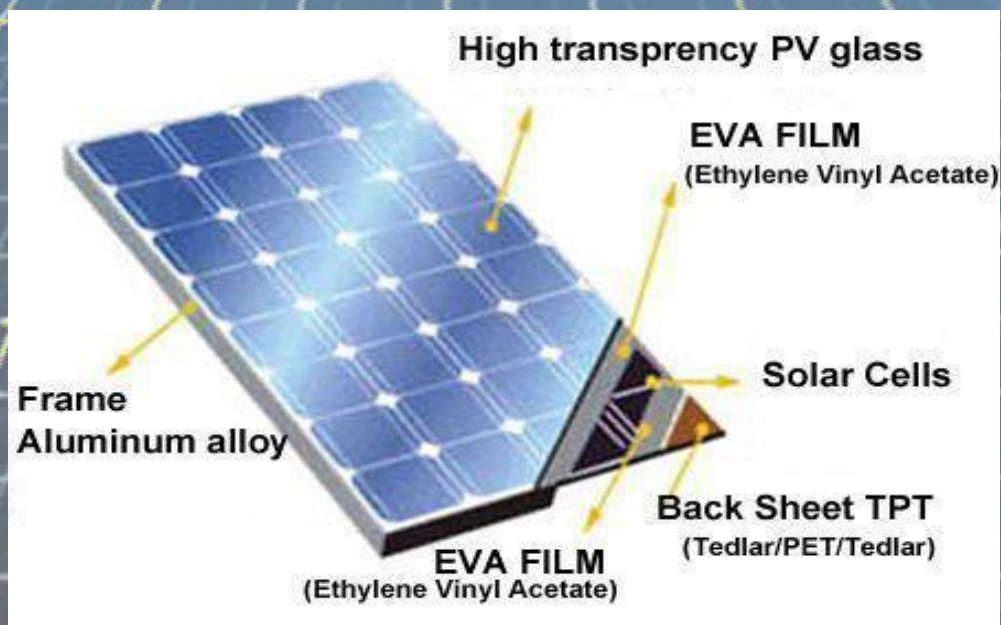


- A photovoltaic (PV) module is a packaged, connect assembly of typically 6x10 photovoltaic solar cells. Photovoltaic modules constitute the photovoltaic array of a photovoltaic system that generates and supplies solar electricity in commercial and residential applications.
- A photovoltaic system typically includes an array of photovoltaic modules, an inverter, a battery pack for storage, interconnection wiring, and optionally a solar tracking mechanism. The most common application of solar panels is solar water heating systems.



# Advantages:-

- 1) Renewable Energy Source
- 2) Reduces Electricity Bills
- 3) Diverse Applications
- 4) Low Maintenance Costs
- 5) Technology Development





## **Disadvantages:-**

- 1) Sunlight Availability
- 2) Solar Energy is Initially Expensive
- 3) Solar Energy is not always Reliable
- 4) Installation Requires Space

# Quizomania

1..We've all heard about VoLTE , what does VoLTE stands for ?

**Ans: Voice over Long-Term Evolution.**

2. Which e-commerce company founded by Sandeep Aggarwal ,Sanjay Sethi and Radhika Agarwal in California's Silicon Valley in 2011 is headquartered in Gurgaon, India ?

**Ans: Shopclues**

3. YouTube has launched its first ever pop-up space in which city?

**Ans: Hyderabad.**

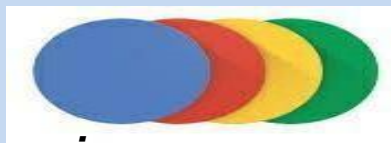
4. ANI Technologies Pvt. Ltd is the parent company of?

**Ans: OLA.**

5. Which company have filed a patent to introduce drones in India for delivery.

**Ans: Amazon.**

6. Identify this new service launched by Google from logo



**Ans: Google domains.**

7. Jio Payments Bank is launching on December in Collabration with which bank?

**Ans: SBI.**



8. Which state govt is looking to invest \$6.1 Mn for the construction of a state-of-the-art tech hub. ?

**Ans: Karnataka.**

9. Apple has launched \_\_\_\_\_ to the booming digital payments space in India?

**Ans: Apple pay.**

10. Flipkart enters large appliance market with the brand name?

**Ans: MarQ.**

11. Who is heading IndiaTech, the lobby group formed by Flipkart,ola,MMT...?

**Ans: Gyanendra Badgaiyan.**

12. Expand ESOP in terms of stocks & company shares?

**Ans: Employee Stock Option Plan.**

13. Which is China's major bicycle sharing unicorn which is hopefully entering Indian Market soon?

**Ans: OFO.**

14. The first high-level programming was .....

**Ans: FORTRAN.**

15. .Which Was the First word processor with true WYSIWYG features?

**Ans. GYPSY.**

16. Which was the first Artificial intelligence program...

**Ans. LISP.**

# Quiz on Optical Fibre

1. Multimode step index fiber has

**Ans : Large core diameter & large numerical aperture**

2. A typically structured glass multimode step index fiber shows as variation of attenuation in range of

**Ans : 2.6 to 50 dB km<sup>-1</sup> at wavelength 0.85μm**

3. A multimode step index fiber has a large core diameter of range

**Ans : 100 to 300 μm**

4. Multimode step index fibers have a bandwidth of

**Ans : 6 to 50 MHz km**

5. Multimode graded index fibers are manufactured from materials with

**Ans : Higher purity than multimode step index fibers.**

6. The performance characteristics of multimode graded index fibers are

**Ans : Better than multimode step index fibers.**

7. Multimode graded index fibers have overall buffer jackets same as multimode step index fibers but have core diameters

**Ans : Smaller than multimode step index fibers.**

8. Multimode graded index fibers with wavelength of  $0.85\mu\text{m}$  have numerical aperture of 0.29 have core/cladding diameter of

**Ans :  $100\mu\text{m}/140\mu\text{m}$**

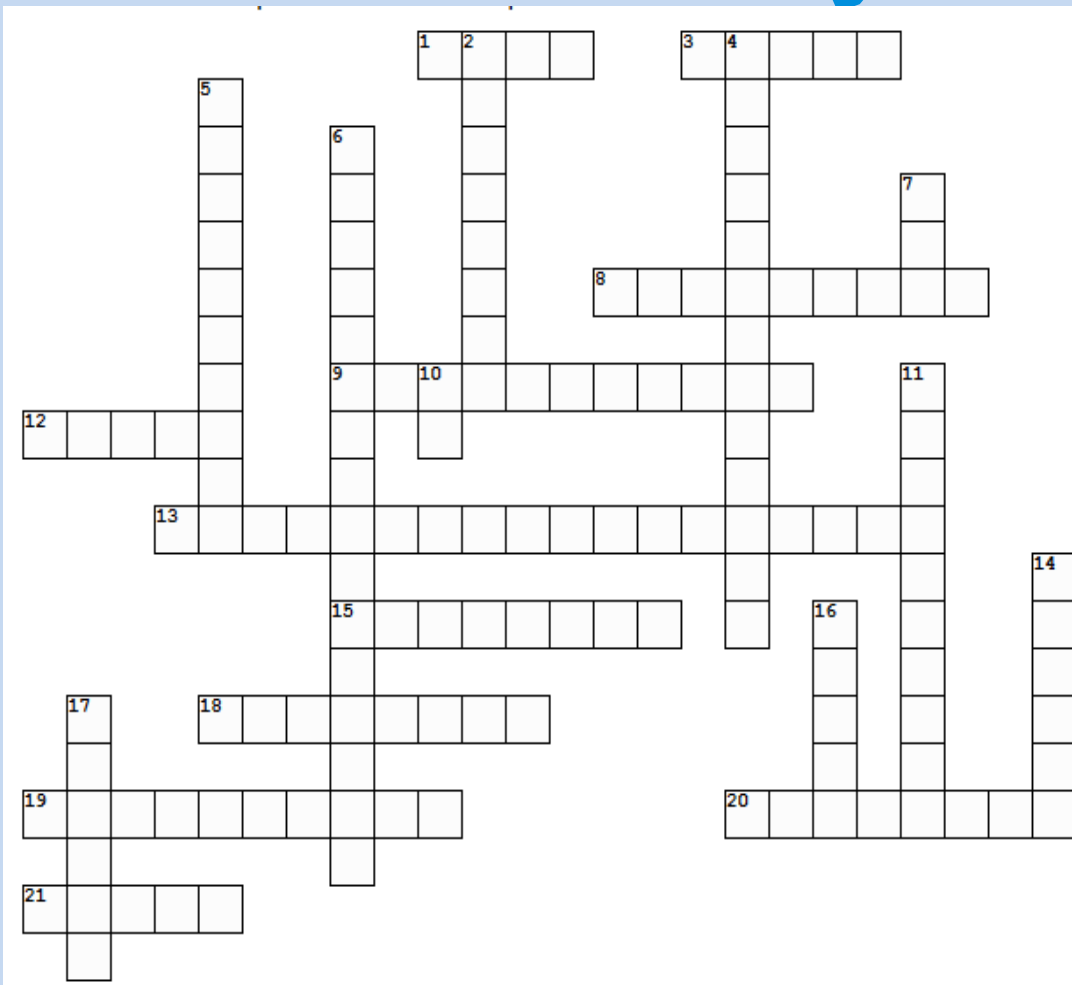
9. The fibers mostly not used nowadays for optical fiber communication system are

**Ans : Single mode fibers**

10. In single mode fibers, the most beneficial index profile is

**Ans : Graded index**

# CROSSWORD



**Across**-1.Spam 3.Three 8.Bluetooth 9.Transformer 12.Fermi 13.Integrated Chip 15.Solenoid 18.Pressure 20.Bit  
**Down**- 2.Pragyaan 4.Hydroelectric 5.Conduction 6.Operating System 7.Bit 10.AI 11.Scattering 14.Vacuum



## Across

1. Junk email is also called
3. Minimum number of unequal vectors which can give zero resultant are
8. Wireless technology standard for short distance communication
9. A device used to transfer electrical energy from one circuit to another
12. Nuclear sizes are expressed in a unit named
13. Millions of components on one small flat piece
15. A cylindrical coil of wire acting as a magnet when carrying electric current.
18. Pa(Pascal) is the unit for
19. A cell that converts light energy into electrical energy
20. a three-dimensional image formed by the interference of light beams from a laser or other coherent light source
21. Chandrayaan 2 is the first space mission to conduct a soft landing on the Moon's \_\_\_\_\_ polar region.

## Down

2. The Chandrayaan 2 mission's rover is called \_\_\_\_\_.
4. Using water power to produce energy
5. Process in which one end of rod is heated, molecules at hot end vibrate and transmit heat from one particle to adjacent
6. A computer cannot 'boot' if it does not have
7. Smallest unit of data storage(memory)
10. Ability of a computer program or machine to think and learn(short form)
11. Sir C.V. Raman was awarded Nobel Prize for his work connected with which of the phenomenon of radiation?
14. Light travels at the fastest speed in
16. Sound travels at the fastest speed in
17. The positive charge in an atom

MEGHNA  
ECE 3<sup>RD</sup> YR

# FACULTY PUBLICATIONS

**FACULTY NAME**

**PAPER TITLE**

**NAME OF  
JOURNAL /  
CONFERENCE**

*Mr. Sachin Dhawan  
(Assistant Professor)*

*Comparative analysis  
of various technical  
steganography*

*IEEE conference on  
Computing for  
Sustainable Global  
Development*




*Mr. Sachin Dhawan,  
(Assistant Professor)  
Mr. Arun Kumar  
(Assistant professor*

*Review on Artificial  
Intelligence with  
Internet of Things -  
Problems, Challenges  
and Opportunities*

*Power Energy,  
Environment and  
Intelligent Control  
(PEEIC2019*



# FACULTY PUBLICATIONS

FACULTY NAME	PAPER TITLE	NAME OF JOURNAL / CONFERENCE
<p>Mr. Vinay Dawar (Assistant Professor)</p> 	<ul style="list-style-type: none"><li>•Performance evaluation of hybrid method mmse &amp; sic for interference cancellation in wireless communication system</li><li>•Performance evaluation of advanced wimax-ofdm wireless communication using ber &amp; ser”</li></ul>	<p>Journal of emerging technology and innovative research.</p> <p>Journal of emerging technology and innovative research</p>
<p>Mr. Yeeshu Ralhen (Assistant Professor)</p> 	<p>Review of various Techniques in wimax-ofdm wireless communication</p>	<p>Intelligent Systems:Approaches , Technologies and Networks (ISATN-2019)</p>

# FACULTY PUBLICATIONS

**FACULTY NAME**

**PAPER TITLE**

**NAME OF  
JOURNAL /  
CONFERENCE**

*Ms. Sapna Arora  
(Assistant Professor),*



*Dr. Ruchira Aneja  
(Assistant Professor),*



*Dr. Monika Gambhir  
(Associate Professor)*



*Study on Feeding  
Techniques for  
Microstrip Patch  
Antenna for Wireless  
Applications”*

*Intelligent Systems :  
Approaches,  
Technologies and  
Networks (ISATN-  
2019)*



# CAMPUS PLACEMENTS

**HARSHIT GUPTA**  
*Think & Learn (Byju's)*

9.15 LPA

9.15 LPA

**ABHISHEK**  
*Think & Learn (Byju's), GATS*

**JATIN**  
*WIPRO*

3.5 LPA

2.5 LPA

**RAVI SHANKAR**  
*PROPSHOP*

**HITESH**  
*TCS*

3.5 LPA

3.0 LPA

**KOMAL SHARMA**  
*GATS*

**BATCH 2019**

*Congratulations !*

# CAMPUS PLACEMENTS

NEHA  
MOKHARIA  
*HELIOS*

1.8  
LPA

1.8  
LPA

MADHU  
*HELIOS*

ABHISHEK  
CHAUDHARY  
*GATS*

3.0  
LPA

3.0  
LPA

NEHA MADAAN  
*GATS*

ARMAAN  
HUSSAIN  
*HIKE*

4.0  
LPA

3.0  
LPA

BHISHAM  
*GENPACT*

**BATCH  
2019**

*Congratulations !*

# WHAT ALUMNI SAYS ?

\*Batch 2017\*

## **BATCH-2014**

### **Mohit Rana/ OYO PACKAGE-6.0LPA**

It is truly said that "Success occurs when opportunity meets preparation." My teachers have helped me to prepare and PIET has provided me the opportunity when I was ready for it. For my success in career so far most of the credit goes to PIET. I believe if u follow right path PIET provides you then success is inevitable.



## **BATCH-2016**

### **Faizan/Myntra Designs PACKAGE-5.0LPA**

PIET is a great place to study. Apart from studies PIET provided me lots of extra curricular opportunities. I am placed in Myntra Designs with a package of 3.5LPA . So I would really want to thank PIET for providing me such opportunities

## **BATCH-2016**

### **Divya Sharma/ QA,Mobile programmingLLC PACKAGE-3.5LPA**

I am a proud graduate of PIET and it was boon for me that I became part of PIET family. With the bottom of my heart, I would like to thank everybody from PIET specially ECE dept. & DIRECTOR sir to assist me to reach at a place where I can say that i am successful.

Thanks to PIET and my lovely teachers.



## **BATCH-2016**

### **ChiragArora /Rosmerta Technologies Ltd. PACKAGE-3.0LPA**

I beleive PIET provides the right academic environment that enables you to hone your soft as well as technical skills and develop your core competencies.





# WHAT ALUMNI SAYS ?

**BATCH-2016**

*\*Batch 2017\**

**Jajer Zahoor/ NIIT Technology PACKAGE-3.0LPA**

The four year journey of B.Tech with PIET has been wonderful. I feel proud to be a part of this college, where my hidden talents were developed by excellent faculty members. It gave me a platform to excel on my strengths and to work upon my weaknesses. Now, I'm placed in a company NIIT TECHNOLOGIES. It only became possible due to the efforts made by college. The Placement Cell of our college acts as an interface between the students and the various industries

THANKS



**BATCH-2016**

**DeepanshuAhuja /Capgemini PACKAGE-3.5LPA**

I am thankful to my college and my faculties for supporting me and helping me in getting a good placement. My faculty supported me at each step by clearing my doubts and encouraging me and placement department is also very cooperative and friendly.

**BATCH-2016**

**Rahul Prashar/ Capgemini PACKAGE-3.5LPA**

"Taking admission in this prestigious institute was one of the best decision. Faculty is very supportive and the management encourages freethinking. You won't just emerge out the as an engineer but also as a better human being. "

"The college has the best placement organization in the whole of haryana, and ample of opportunity is provided for us to grab it, with it being quite supportive. Thank You."



**BATCH-2016**

**ShubhamChahal/ TechMahindra PACKAGE-3.5LPA**

Piet is an incredible platform for real Technical, managerial and social insight. The faculty with cutting edge infrastructure makes PIET a renowned name in field of Professional and Technical education.



“

Learn what smart work is  
from “Engineering students”  
during their examination

~ An Engineer



**PANIPAT INSTITUTE OF**  
**ENGINEERING & TECHNOLOGY**

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