

WHAT'S NEW(S)

- Madurai Meenakshi Temple in South India is an acoustic marvel. Sound levels do not go beyond 80 dB, even during rush hours
- No echo is heard in temple complex.
- Chennai based Aseuro Technolgies (start up) has developed an APP which provides temple details,virtual tour etc in Tamil, Hindi,English with voice over
- Can you develop app for Perur temple or Marudhamalai temple?

WHAT'S NEW(S)

Wealthiest countries in the world as per world wealth report published by US:

1. USA
2. CHINA
3. JAPAN
4. UK
5. GERMANY
6. FRANCE
7. INDIA
8. CANADA
9. AUSTRALIA
10. ITALY

WHAT'S NEW(S)

GOOGLE TRANSLATOR APP:

- Translates day –to-day words in several languages into English
- Example: Take a photograph of a Russian board and this App will convert into English
- Can you develop a similar App for example Tamil/Malayalam into English ?

WHAT'S NEW(S)

AUTONOMOUS TAXIS/CARS:

FIRST TAXI SERVICE TRIAL IN SINGAPORE STARTED BY A COMPANY nUTONOMY.

TECHNOLGY DEVELOPERS:

-TESLA

-GOOGLE

-MOBIL EYE NV+DELPHI(DRIVING ASSISTANT S/W)

-FORD MOTOR

-UBER

BAIDU INC

GENERAL MOTOR

LEeCO

WHAT'S NEW(S)

WHAT IS HOT IN COMPUTER SCIENCE?

SMAC

S-SOCIAL

M-MOBILE

A-ANALYTICS

C-CLOUD

NEXT IS VIRTUAL REALITY

WHAT'S NEW(S)

ABB TO ELECTRIFY INDIAN BUSES:

- 1.5 LAKHS DIESEL RUN BUSES TO BECOME ELECTRIC
- BATTERY CHARGING TIME –ONLY 15 MINS.
- FLASH CHARGING IN 15 SECS. IN EACH STOP
- ABB CLAIMS BUS TAKES ONLY ONE 1 KWHR FOR THE DISTANCE COVERED BY 1 LITRE DIESEL!

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WHAT'S NEW(S)

WITTYFEED:

-CONTENT GENERATING COMPANY

- STARTED BY 3 STUDENTS OF SRM, CHENNAI WHEN THEY WERE IN SECOND YEAR
- NOW IT IS SECOND BEST CONTENT CREATION COMPANY IN THE WORLD!
- PLATFORM FOR CONTENT CREATORS, DISTRIBUTORS AND CONSUMERS IN CONTENT BUSINESS

WHAT'S NEW(S)

VOICE ASSISTANTS (CHATBOTS)

-SIRI BY APPLE

-GOOGLE NOW

-ALEXA BY AMAZON

-GOOGLE ASSISTANT

WHAT'S NEW(S)

**TALENTED EDUCATORS REACH STUDENTS
THROUGH UTUBE CHANNELS:**

-UNACADEMY

-AKASH KADAM

-LEARNEX

-# CRAZY NK

LOT OF SCOPE FOR START UPS IN THIS FIELD !!!

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WHAT'S NEW(S)

SOME THING INTERESTING:

UBER- LARGEST TAXI COMPANY, OWNS NO CARS

**FACEBOOK- POPULAR MEDIA CREATES NO
CONTENT**

**ALIBABA- VALUABLE RETAILER HAS NO
INVENTORY**

**AIRBNB- LARGEST ACCOMODATION COMPANY
HAS NO REAL ESTATE**

JUST THINK. KNOWLEDGE IS ASSET.

WHAT'S NEW(S)

TIME BENDER TECHNOLOGIES:

- START UP BY 2 GRADS FROM GCT,COIMBATORE
- NAMED ATMBOT, HELPS PEOPLE TO LOCATE ATMS WITH CASH
- CROWD SOURCED DATA
- ANSWER BY VOICE
- WORKS WITH FACEBOOK MESSENGER

WHAT'S NEW(S)

- 1992- A GUY CAME FROM UKRAINE TO AMERICA
- WORKED AS SWEEPER IN MALL IN CALIFORNIA
- STARTED LEARNING PROGRAMMING IN AGE 18
- ENROLLED SANJOSE UNIVERSITY
- JOINED YAHOO AND WORKED FOR 10 YEARS
- HE AND HIS FRIEND QUIT YAHOO & WROTE AN APP, WHICH IS EXTREMELY POPULAR
- JAN KUOM & BRIAN ACTIM
- APP IS WHATSAPP

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WHAT'S NEW(S)

Interesting Facts:

- The sentence “The quick brown fox jumps over the lazy dogs “ uses every letter in English
- Two words only in English having all vowels
“ ABSTEMIOUS “ “FACETIOUS”
- Names of all continents start and end with same letter.
- Toughest tongue twister “ Sixth sick sheik’s sixth sheep is sick”
- RHYTHM” is longest word without vowel.
- 111 111 111 X 111 111 111=12345678987654321

WHAT'S NEW(S)

Replace plastic bags with bags made of CASSAVA starch :

-Avani Eco ,an Indonesian start up manufactures carry bags made of CAVASSA .

-Degrades quickly and leave no toxic waste

- He makes 3 tons of bags per day. Huge demand in Java.

-(Cassava means maravalli kizhangu)

WHAT'S NEW(S)

-Nudge Foundation , supported by Industry stalwarts like Nandan Nilakeni, anDr.Devi Shetty, Manish Sabarval has started an incubator in Bangaluru for non-profit start ups working on poverty related projects.

WHAT'S NEW(S)

Power of Indians;

- Microsoft CEO-Satya Nadella, BE(EEE) from Manipal Institute of Technology
- Pepsico CEO- Indra Nooyi, MBA ,IIM/Kolkatta
- Adobe systems-Shantanu Narayan/Osmania University
- Berkshire Hathaway-Ajit Jain ,BE/Mech, IIT/Kanpur
- Master card- Ajay Banga- MBA from IIM/Ahmedabad
- Deloitte- Puneet Renjen
- Google-Sundar Pitchai, B.Tech,IIT/Karagpur
- Quora- Balaji Viswanathan, TCE,Madurai

WHAT'S NEW(S)

TATA MOTOR TIES UP WITH MICROSOFT;

-Microsoft's connected vehicle technology to be used by Tata Motor

- Artificial intelligence
- Advanced machine learning
- IOT capability

Above in global hyper scale AZURE cloud to create a safe driving experience

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WHAT'S NEW(S)

INVENTION VS INNOVATION ;

-Invention is creation of a product or process for the first time. Edison was inventor.

-Innovation happens when some one improves on or make a significant contribution to something that has been already invented. Steve Jobs (Apple) is an Innovator.

Innovation types: Incremental, Disruptive

WHAT'S NEW(S)

DISRUPTIVE INNOVATION:

-Innovation that creates a new market, eventually kills the existing market.

- Quartz watch- Winding watch
- Digital camera- Film camera
- Word processor-Type writer
- Auto Rikshaw-Cycle Rikshaw

Any thing else ????????

WHAT'S NEW(S)

Google acquires APLAI:

-APLAI is a start up that specializes a conversational user interface

-used in chatbots to interpret human conversation into command

-Google will use it in home automation, wearables, voice recognition for Google search

WHAT'S NEW(S)

IOT- Internet of Things

IIOT- Industrial Internet of things: IOT with security features. Used in instrumentation

WHAT'S NEW(S)

PINTEREST :

- Content sharing service that allows members to pin images, videos etc to pin boards
- This site is world's catalog of ideas.

WHAT'S NEW(S)

PRODUCT CERTIFICATION :

National : BIS (Bureau of Indian Standards)

BEE (Bureau of Energy Efficiency)

International :

CE, UL,ANSI, OEKO TEX, CSA, VDE

Above are certifying bodies.

Standards:

ISA,IEEE,ISO,IEC

WHAT'S NEW(S)

On 15-02-17, ISRO launched 104 satellites at a time using PSLV-C37 launch vehicle.

- This is world record. Earlier Russia launched 37 satellites in one go.
- Indian Satellite-3: American-96:
Israel, Netherlands, Switzerland, UAE, Kazakhstan -5
- (Each one)
- Totally India has launched 228 satellites.
- Launch of other country satellites are on commercial basis.

WHAT'S NEW(S)

Technovation Challenge is a social welfare outfit.

- Trains poor students to develop Apps using MIT APP INVENTOR tool worldwide
- Trained Dharavi/Mumbai girls to develop Apps. To address social problems.
- Can you do it for Coimbatore ?

WHAT'S NEW(S)

VPLEDGE is an App developed by a 12 year old school boy from Delhi Public School to promote school students social activities.

Tic-Tac-Toe is a gaming App developed by same student to play with many friends with blue tooth.

WHAT'S NEW(S)

Start up Telecom company , KNOWLARITY ,Delhi, by Gupta, IIT Alumni offers cloud telephony , which offer telecom services with hardware costing 1/10 th of conventional telecom equipments.

Its global competitor is US based TWILIO Inc.

WHAT'S NEW(S)

- Bruce Geo, age 22, Canada created an app to point solar panel to correct direction to get maximum power.
- App name is Simplysolar
- Place a smart phone with app on solar panel and app shows the most effective direction using GPS,Compass in phone

WHAT'S NEW(S)

- SPERO electric byke by Miltex Engineers, start up at Coimbatore, uses 48V Li-Ion battery.
- In one charge,it gives 100Km.
- Has 5 gears: speed -30Km/hr.
- Founder is Manikandan
- CroudFunding venture

WHAT'S NEW(S)

HAX , the worlds largest start up accelerator, is scouting for young Indian firms developed working hardware prototypes in heath care, Consumer electronics, robotics and bionics.

- They have funded 10 firms making roti machine, car display, baby monitoring system, eleder monitoring machine etc.
- They will fund upto 1 lakh dollars
- Selected persons offered 4 months training in Shenzen/China and Silicon valley/USA
- So far ,150 start ups funded worldwide.

WHAT'S NEW(S)

- World's second largest solar power plant commissioned by Adani group in Kamudhi, Tamilnadu in sep2016
- 25 lakhs panels and 648MW peak power
- Built in 10 Sqkm area
- It can feed 1.5 lakh homes
- Plant uses robots to clean the panels everyday
- 576 inverters,154 transformers,7500Km cable used
- Largest solar plant of 850MWp is in China

WHAT'S NEW(S)

- Indian railways plan to introduce ERP to monitor its entire operation in a single platform.
- It plans to spend Rs12000 Crores for this
- It expects a whopping saving of Rs60000 Croes!

WHAT'S NEW(S)

Tamilnadu-Power generation installed capacity

-Thermal (6 plants) – 4660 MW

-Hydro (44 plants) -2307 MW

-Gas (4 plants) – 516 MW

-Wind – 7865 MW

-Central installations (11 plants) -5475 MW

-Others- 7062 MW

Total capacity- 27705 MW as on march 2017

WHAT'S NEW(S)

-In US many young lawyers do not get jobs. IBM Watson provides online legal service within seconds with 90% accuracy.

-In 2018, autonomous cars will appear in public road. In 2020 all cars will be self driven. Most car companies will go bankrupt. Tesla, Apple, Google will build computer on wheels.

-TRICORDER X is a tiny medical device , working with mobile, takes retina scan, blood sample and breath. It analyses 54 biomarkers and identify disease. What will happen to Doctors?

WHAT'S NEW(S)

Do you need long experience and good finance to create new product?

-Titanic ship was created by highly experienced engineers !

-Google, Facebook were created by people with minimum experience !

To succeed you need Passion, Perseverance and hard work. Money is secondary.

Sun pharma which is 10,000 Crore Rs company was started by Mr Singvi with Rs 10,000 in 1982!

WHAT'S NEW(S)

- Drones are used in all fields. Lot of scope exists to develop light weight, less power consuming, more accurately positioning, long distance control drones.
- 100 \$ agriculture robots are expected shortly to help labor shortage. Persons will operate robots to do hard jobs in field.
- Household robots are popular in US to do sweeping etc.
- Cooking robots are being developed vigorously.
- Can you make a dosa machine for a small family?
Crores of Rs business in kitchen automation.

WHAT'S NEW(S)

NEW TECHNOLOGIES IN DEMAND IN IT SECTOR:

- **Big data analytics**
- **Cyber security services**
- **Service delivery automation**
- **IOT (Internet of Things)**
- **Robotics**
- **Artificial intelligence**
- **Machine Learning**

WHAT'S NEW(S)

Present new roles in IT sector

- **Business Analyst**
- **Solution Architect**
- **Data Integrators**
- **Data Architects**
- **Data Analysts**
- **Data Scientists**

WHAT'S NEW(S)

Lithium Battery

At the age of 57, John B. Goodenough invented the lithium battery which powers all our smart phones, tablets and laptops - as well as electric cars.

37 years later at the age of 94, John has unveiled a new, ultra-efficient, low cost battery which uses a sodium or lithium coated glass electrolyte. It will dwarf his original invention and make it redundant.

The new glass battery will allow electric cars to go three times the distance, and recharge in minutes instead of hours. It's also far safer as it won't explode and can operate in sub-zero temperatures. The new glass battery will power our future solar powered and electric vehicles, homes and industries.

He still works every day as a Professor at the University of Texas. Inventive mind has no retirement!