

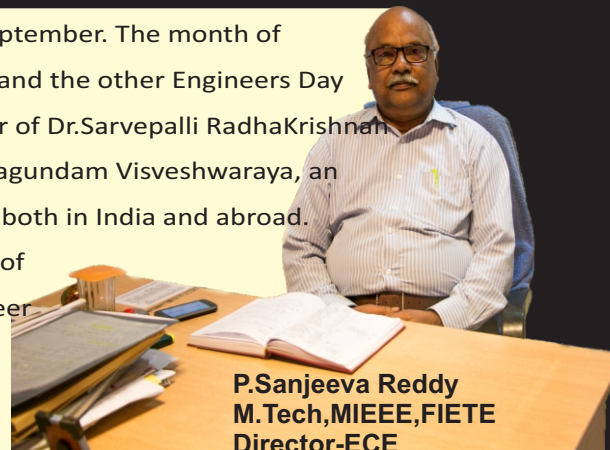
SEPTEMBER-2015



# NEWS' elite

## Art of Innovation

Happy to know that NEWS'elite second issue is begin brought out this September. The month of september is noted for two very famous events. One being Teacher's Day and the other Engineers Day celebrated on 5<sup>th</sup> and 15<sup>th</sup> of the month respectively. The former is in Honor of Dr.Sarvepalli RadhaKrishnan, the former Philosopher President of India and latter in honor of Sir Mokshagundam Visveshwaraya, an accomplished Civil Engineer who won many accolades for his engineering both in India and abroad. Another legendary personality Dr. A. P. J Abdulkalam the former president of India who recently passed away was also an accomplished scientist, engineer and above all a passionate Teacher loved by all. Dr. Kalam's famous saying was "Have your dreams ",and further clarified what he meant exactly by dreams. "Dreams are not those you get while you sleep, but those which will not allow you to sleep till you realize them " . Hoping this edition will benefit you as an engineer!



**P.Sanjeeva Reddy**  
M.Tech,MIEEE,FIETE  
Director-ECE



Welcome to the second issue of our newsletter "NEWS'elite".It's such a joy to share few happy moments that have taken place in the department:

- \*Maximum number of final year students have got selected in IBM and NTT Data
- \*ECE student tops in First year results

Congratulations to all my students who have brought laurels to the department and the college.Hoping the journey of the newsletter will continue in providing an oppurtunity to student community and faculty in expressing their innovative ideas.

Wishing all the best to the editorial team who have consistently worked hard to bring the Second Issue of newsletter "NEWS'elite" to its best.

**Dr. S. Srinivasa Rao**  
B.Tech,M.Tech,Ph.D(JNTUH),MIEEE,MISTE,MIETE  
HOD-ECE

**Education elevates us and changes our reputation from bad to good. This education needs a teacher who is warm, accessible, enthusiastic and cares for students making sure they are well grounded. Teacher is the best guide on whose guidance, plus our hardwork makes us lucky. As a teacher my heart is filled with pride when I watch the incoming caterpillars become butterflies with flying colors. I feel it is an opportunity to motivate myself and influence the society. I thank my teachers who inspired me a lot and suggest every student to have a goal and strive to be the best.**



Jyothi Madam

**"Children are not vessels to fill but are lamps that are to be lit".**

Sarvepalli Radhakrishna, an engineer and a teacher is my inspiration. I'm so priviledged to share the same birthdate and the instincts of a teacher along with him. Every student has to work hard and strive for success. In each students life a teacher is the one who polishes a student to shine and rise from their hardwork to meet success.

Kiran Sir



**MALLA REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Autonomous Institution-UGC,Govt. Of India)

Recognized under 2(f) and 12(b)of UGC Act 1956

Permanently Affiliated to JNTUH

Approved by AICTE-Accredited by NBA&NAAC with A-Grade,ISO 9001:2008 Certified

# Smart Glasses For Visually Impaired

## WHO ?

Dr Stephen Hicks of the Nuffield Department of Clinical Neurosciences at the University of Oxford

## WHERE ?

United Kingdom

Royal National Institute of Blind People (RNIB) at oxford university

## WHEN ?

2007

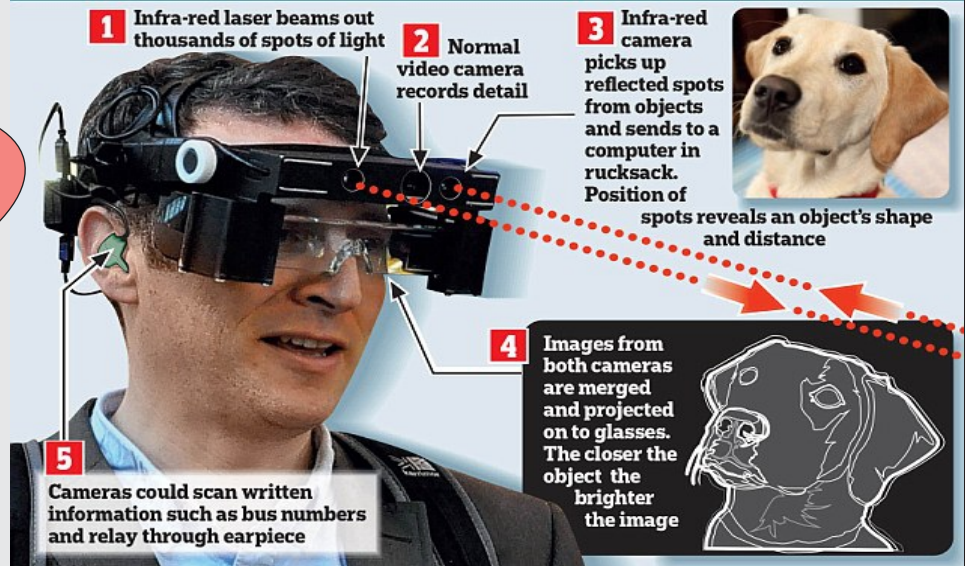
## WHAT ?

Smart glasses help wearers to identify shapes, determine distance, and are able to detect objects up to three metres away.

## WHY ?

The idea of the smart glasses is to give people with poor vision an aid that boosts their awareness of what's around them and a much improved quality of life

## HOW THEY WORK



## Do-It Zone

### Water Heater

#### Apparatus :-

- \*Silicon plates (4\*4),
- \*Erasers,
- \*Insulated wires,
- \*Stretchable bands.

#### Procedure:-

- \*Cut the insulated wire into two strands (pieces) and strip the end of each wire.
- \*Clean the two silicon plates with the kerosene
- \*Place the 2 erasers in between the plates and tight up with the stretchable bands
- \*Connect one end of 2 insulated wires to the terminals of power supply and other to the silicon plates
- \*Check the connections and then the water heater is ready to use



### You Belong at the Zoo Word Search

Visit BlackDog on the world wide web - [www.blackdog.net](http://www.blackdog.net)



H	T	E	Y	X	A	R	M	A	D	I	L	L	O	B
Q	I	J	D	T	A	K	U	P	G	G	U	H	A	N
P	N	X	R	I	N	H	F	W	X	R	W	B	Y	X
A	P	G	A	A	O	A	B	O	E	O	O	E	Y	W
N	E	O	P	A	F	C	H	V	M	O	S	R	E	A
D	M	R	O	R	N	C	A	P	N	K	Y	O	Z	B
A	Y	I	E	D	G	E	C	H	E	E	T	A	H	R
P	D	L	L	V	B	N	Z	E	D	L	I	V	R	E
E	V	L	B	A	T	S	M	C	F	L	E	N	Y	G
L	H	A	C	R	T	O	F	R	K	F	W	W	A	D
L	S	J	Z	K	E	V	L	G	J	L	A	W	A	A
E	A	K	T	R	E	T	A	E	T	N	A	R	R	B
Z	W	R	A	G	U	O	C	X	C	O	Y	I	U	
A	K	A	N	G	A	R	O	O	T	O	O	R	P	G
O	J	N	T	Q	R	R	E	H	T	N	A	P	O	K

#### Word List

AARDVARK  
ANTEATER  
ARMADILLO  
BABOON  
BADGER  
BEAVER  
CHEETAH  
COUGAR  
ELEPHANT  
GAZELLE  
GIRAFFE  
GORILLA  
KANGAROO  
LEOPARD  
OCELOT  
PANDA  
PANTHER  
PORCUPINE  
RHINOCEROS  
WALLABY  
ZEBRA

Next:  
**Alarm Bell**





## **SARVEPALLI RADHAKRISHNAN**

While the world celebrates international Teacher's Day on the 15th of October, India celebrates it on the 5th of September, which is also the birthday of the famous teacher, academic philosopher and the second President of India, Mr. Sarvepalli Radhakrishnan born in the year 1888. Since 1962, 5th of September has been celebrated as Teacher's Day in India. Dr. Sarvepalli Radhakrishnan was a philosopher and a teacher par excellence. Some of his students and friends approached him and requested him to allow them to celebrate his birthday. In reply, Dr. Radhakrishnan said, "Instead of celebrating my birthday separately, it would be my proud privilege if September 5th is observed as Teacher's day". The request showed Dr. Radhakrishnan's love for the teaching profession. From then onwards, his birthday is observed as Teacher's Day in India.



"Tell me and I forget,  
teach me and I may remember,  
involve me and I learn."

- Benjamin Franklin

"The art of  
teaching is the  
art of assisting  
discovery."

-Mark Van Doren

The mediocre teacher tells.  
The good teacher explains.  
The superior teacher  
demonstrates. The great  
teacher inspires. -

-William Arthur Ward

## **FAMOUS QUOTES...**

The mediocre teacher  
TELLS.

The good teacher  
EXPLAINS.

The superior teacher  
DEMONSTRATES.

The great teacher  
INSPIRES.

### **EDUCATION**

IS THE MOST POWERFUL WEAPON

WHICH YOU CAN USE TO

## ***Change the World***

- NELSON MANDELA

Teaching kids to  
count is fine,  
but teaching  
them what  
counts is best.

-Bob Talbert

The greatest sign of  
success for a teacher  
is to be able to say,  
"The children are now  
working as if I did  
not exist."

- Maria Montessori

"Tell me and I forget.  
Teach me and I  
remember. Involve me  
and I learn."

-- Benjamin Franklin

# SIR MOKSHAGUNDAM VISVESVARAYA

He was born in a poor family in Muddenahalli of Karnataka on 15-Sep-1860.

## As an Engineer

He designed automatic sluice gates which was later reused for Lake Fife and the same design was reused for Tigris Dam & KRS Dam as well. Over the next 10 years (between 1895 & 1905), Sir MV worked at different parts of India including

- Hyderabad where he remodelled the entire city & improved its drainage system.
- Bombay where he introduced block system of irrigation & water weir flood gates,
- Bihar & Orissa where he was involved in building railway bridges & water supply schemes
- Mysore where he supervised the construction of KRS dam which was Asia's biggest dam when it was built.



## As a humble human being

His achievements can run into hundreds of pages but I would like to limit this inspirational article to a few of his personal qualities & habits which we can try to imbibe into our own lives and inspire future generations.

- Honesty & Work Ethics
- Discipline
- Free from ego
- Dedication & excellence



Visvesvaraya Industrial and Technological Museum, Bangalore (VITM), a constituent unit of National Council of Science Museums (NCSM) Ministry of Culture, Government of India, was established in memory of Bharat Ratna Sir M. Visvesvaraya. A modest building with a built up area of 4000 sq. mtrs., was constructed in the serene surrounding of the Cubbon Park, housing various industrial products and engines, which was opened by the first Prime Minister of India, Pandit Jawaharlal Nehru on 14.07.1962. The first gallery set up at VITM on the theme 'Electricity' was opened to the public on 27.07.1965 by the then Union Minister for Information & Broadcasting & Bharat Ratna Indira Gandhi.

# What's New at VITM ??

## Science On A Sphere

It is a large visualization system that uses multimedia projections to display animated data onto the exterior of a sphere converting it into an immersive animated globe that shows dynamic, animated images of the atmosphere, oceans, and land of a planet. It adds as another education and outreach tool of this museum









## Interview Tips:

- \*Conduct research on the company
- \*Review common interview questions
- \*Thank your interviewer after your done

The specie  
of jellyfish that  
is immortal is  
*Turritopsis Nutricula*



## GRE/GATE/TOEFL Tips:

- ❖Take a practice test 5 – 7 days before the actual exam so that you can practice your pacing and build up your stamina for the long test ahead. Make sure to include all the essays and an experimental section too.
- ❖Review your notes, especially problems and concepts that you have struggled with. It's important to have everything you've learned fresh in your mind on test day.
- ❖Work on your weaknesses as much as you can

## MATHERAN

**Matheran** a famous yet smallest and coolest Hill Station situated in Karjat Tahsil, Raigad District of Maharashtra, India. Located on the range of Western Ghats at height of 800 m (2625 Feet) above sea level, it is an eco-sensitive region, declared by Government of India and one of the few places in the world where vehicles are not allowed, which makes it different from others. Because of vehicles being banned this place is quite peaceful despite the thousands of visitors coming to visit throughout the year.

There are lots of view points that provide spectacular views of the surrounding hills and valleys. The name Matheran means either 'Forest on Top' or 'Woodland overhead'



## KRITUNGA Restaurant

A House Of Palegars and Rayalseema Food

Location: Madhapur, Main Road, KSR Towers, BK Guda,  
Madhapur, Hyderabad

Speciality: Indian, South Indian, Chinese

Meal For Two: Rs.200.00

Rating: 2.4

Contact Number: 040-64555995, 09908093970



# Fascinating Faculty...

Dr. D.R.V.A. Sharath Kumar

•How does discipline help a student?

Discipline is mandatory for each individual to groom their life in a better way for the future.

Even a person having good academic knowledge and extra circular activities will not be successful without discipline.

•According to you, how is the present educational system?

Present educational system gives more theoretical knowledge whereas practical knowledge is more important for a person to be more intelligent and intellectual.

•How is MRCET different from the other colleges?

1)90% of the students are placed in MNC'S and field companies.

2)More disciplined students.

3)Faculty is more interactive, having great knowledge.

•What is your opinion regarding Commercial education?

Not only Education, every field had to be commercialized for an individual/organization to grow in financial terms. Every person has to take commercial education in a positive way to make their future brighter

•What would be your profession, if you were not a lecturer?

A Software Engineer.

**HEALTH TIP:**  
Regular exercise and Yoga  
makes a person healthy.

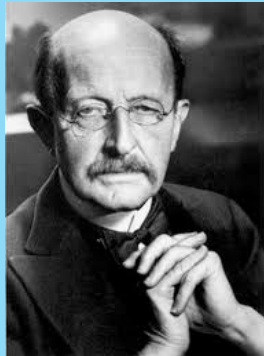


## History...

**Max Karl Ernst  
Ludwig Planck**

( April 23, 1858

October 4, 1947 )



Planck a [German theoretical physicist](#) born in Kiel, Germany, made many contributions to theoretical physics, but his fame rests primarily on his role as originator of the quantum theory. He had his early schooling in Kiel before his family moved to Munich. At school he performed well but at the same time he did not show any sign of outstanding talent. It is said that at the beginning his best subject at school was perhaps music. Planck was appointed the professor of theoretical physics at the University of Berlin. By combining the formulae of Wien and Rayleigh, he announced a new formula now known as Planck's radiation formula and was a philosopher of science. He was also awarded the Nobel Prize in Physics in 1918. Planck describes why he chose physics: "The outside world is something independent from man, something absolute, and the quest for the laws which apply to this absolute appeared to me as the most sublime scientific pursuit in life." This great man died at the age of 89 in Gottingen, West Germany and the value " $h=6.62 \times 10^{-27}$  erg.sec" is engraved on his tombstone.

## App Store..

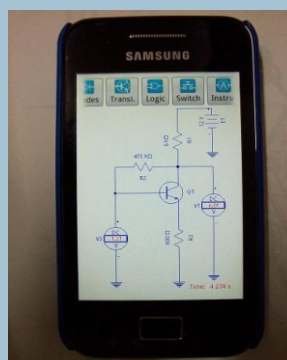
\*Simple and SPICE tool.

\*Permits you to solve, simulate and analyze different electrical and electronic circuits by using KCL and KVL.

\*Has the ability to solve both linear and nonlinear circuits like resistive, capacitive, inductive and BJT, Transistor, Diode, AC/DC Voltage and Current sources, 555, MOSFETS, Logic gate and much more...

\*Memory Space of the app is 5Mb

\*Offers Trapezoidal integration methods to approximate the state of the reactive elements.





Add in an Advertisement  
column so that students  
can promote any news they  
want to

## Colours to be modified

## Expand Facts !

**"A thought beyond horizons of success committed for educational excellence"**

**"A thought beyond horizons of success committed for educational excellence"**

# STUDY ABROAD EXPO

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OPEN FOR  
SPRING/FALL  
2016**

**AT MRCET CAMPUS**  
**11/09/2015**  
**9:00 A.M. TO 6:00 P.M.**

**EXPLORE THE POSSIBILITIES FOR STUDYING ABROAD!**

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Second Row(L-R):Santhosh,Dheeraj,Nikhil,Swapnil,Vivek,Kamal,Akhil

