



**Priyadarshini College of Engineering**  
**Department of Electronics**  
**& Telecommunication**



# EPSILON-16

**DOPING IS LEGAL HERE...**  
**SESSION: 2015-16**

## Event : Forum installation under TELE-ERA.



Organized By: Electronics and Telecommunication Engineering Department

Venue: Seminar Hall Dated: 12/08/2015

Purpose: To form a student organization for conduction of various activities.

Resource Persons: Dr.(Mrs.).S.W.Varade, Prof.(Mrs.)P.U.Chati, Prof.(Mrs.).A.R.Kondelwar

## Event : Saraswati Pooja



Organized By: Priyadarshini College of Engineering, Nagpur, Participated By: All the Students of the College.

Venue: Goddess Saraswati Mandir, Dated: 13/02/2016,

Purpose: To worship the Goddess Saraswati.

Resource Persons: Dr. M P. Singh, All HOD's

## Event : Gajanan Maharaj Pragat Diwas



Organized By: Electronics and Telecommunication Engineering Department

Participated By: All the students of the college, Venue: ACD Lab, IT Building , Dated: 13/02/2016

Purpose: To worship the Sant Gajanan Maharaj.

Resource Persons: Dr. M P. Singh, All HODs

## Event : Republic Day Celebration



Organized By: LTJSS, Participated By: All the students of the college. ,

Venue: Administration Building, Dated: 19/11/2016

Purpose: To celebrate the birthday of the great leader Indira Gandhi,

Resource Persons: Dr. M. P. Singh, Dr. J. P. Modak, All HoDs.

## Event : Celebration of Birthday of Indira Gandhi



Organized By: LTJSS, Participants: All the students of the college

Venue: JCPE Ground, Dated: 26/01/2016

Purpose: To celebrate the Republic Day of India.

Resource Persons: Dr. M P. Singh, HODs of all Departments.



**Dr. M.P. Singh**  
Principal  
Priyadarshini College  
of Engineering

I feel extremely happy to know that Department of Electronics & Telecommunication is bringing out the Departmental Magazine, “**EPSILON**” in this Year also . This Magazine will provide an opportunity to the students and faculty to express their creative and original thoughts. I know that the students of Electronics and Telecommunication Engineering department will participate wholeheartedly by writing their amazing thoughts which will make this a success . Technical articles will be great contribution to know the latest developments in the Electronics and Telecommunication field. I express my sincere gratitude to Head of Department and esteemed members of the editorial board for their cooperation and support and putting their best in bringing out the magazine . My message is “Aim always High, as high as the sky” to be good citizens and leaders of our beloved Country.



**Mrs. A.R. Kondelwar**  
Incharge, Epsilon

I am very glad to present 3rd edition of “Epsilon” a departmental magazine. From last two years Epsilon provides platform to students to build and expose their hidden talents related to co curricular and extracurricular activities, which also reflects there creativity, thoughts and new ideas .Through this magazine the students have tried to impart their knowledge on recent trends in Electronics and Telecommunication field. The collective efforts of magazine committee make it grand success. This year also students enthusiastically provides technical as well as non technical articles to committee members .Endless efforts taken by due entire team to make it successful.



**Dr. S.W. VARADE**  
HOD  
Electronics & Telecommunication  
Department

I feel extremely happy to present the new issue of departmental magazine “Epsilon-16” which is prepared by taking hard efforts from faculty and student incharges. This issue provides a summary of various events organised by the department through out the session for overall development of the students and faculty members.

Electronics and Telecommunication Engineering department has number of versatile faculty and students who have very innovative and creative ideas . This magazine is providing them a platform to show case their thoughts ,ideas and skill through their articles.

Once again I congratulate Prof. Mrs. A.R. Kondelwar and other editorial board members for providing a platform to explore the potential of staff and the students through this magazine.





**Mr. Shubham Meshram**

Incharge  
EPSILON

“EPSILON”

Provides a platform for students to build and expose their hidden talents related to co-curricular and extra curricular areas, which reflects their creativity, thoughts and new ideas.



**THANKS TO DEPARTMENT**



**Mr. V.K. Taksande**



**Mrs.A.P. Rathkanthiwar**



**Mrs.P. U. Chati**



**Mr.O.G. Hastak**



**Mr.A.B. Jirapure**



**Mr.N.S. Ambatkar**



**Mrs. A.R. Kondelwar**



**Mr.V.G. Giripunje**



**Mrs. J.M. Bhattad**



**Mr. D.G. Gahane**



**Mrs. K.A. Mankar**



**Mrs. V. Nasre**



**Mr. P.P. Ashtankar**



**Mr. M.K. Demde**



**TELE-ERA FORUM BODY**



**Manoj Kumar**  
President



**Gaurav Gadge**  
President



**Sonali Chaurasia**  
Vice-President



**Prashant Kanak**  
T&P In-charge

## DEPARTMENT OF ELECTRONICS & TELECOMMUNICATON

### *Mission*

To educate the students with the state of art technologies to meet the growing challenges of the industries and educational institutions.

To equip the students with strong foundations to enable them for continuing education and research.

Provide ethical and value based education by promoting activities addressing the social needs.

### *Vision*

To achieve excellence in academics and research by imparting quality education in the rapidly changing field of Electronics and Telecommunication Engineering.

## PROGRAM EDUCATIONAL OBJECTIVES

- PEO-1.** To provide students with a solid foundation in mathematical, scientific and Engineering fundamentals required to formulate, analyze & solve complex Engineering problems.
- PEO-2.** To create graduates with technical expertise to handle multi-disciplinary projects and with ability to excel in professional career and/or higher education.
- PEO-3.** To promote leadership qualities among students with ethical responsibilities and global security awareness.
- PEO-4.** To develop Engineers with capability to apply knowledge and evaluate results based on facts, experimentation, research and exploring to new simulation tools.

## PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- 1. Engineering Knowledge:** Apply the knowledge of mathematics, science, Engineering fundamentals, and an Engineering specialization to the solution of complex Engineering problems.
- 2. Problem Analysis :** Identify, formulate, review research literature, and analyze complex Engineering problems reaching substantiated conclusions using first principles of mathematics natural sciences, and Engineering sciences.
- 3. Design/Development of Solutions :** Design solutions for complex Engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and Environmental considerations.
- 4. Conduct Investigations of Complex Problems :** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern Tool Usage :** Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to complex Engineering activities with an understanding of the limitations.
- 6. The Engineer and Society :** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and Sustainability:** Understand the impact of the professional Engineering solutions in societal and Environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the Engineering practice.
- 9. Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex Engineering activities with the Engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project Management and Finance:** Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary Environments.
- 12. Life - Long Learning :** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Department of Electronics & Telecommunication was established in 1993 and affiliated to Nagpur University, Nagpur.

1) **Largest number of qualified faculty members** : The Department has highly qualified faculty & details are as below

: Three Faculty Completed Ph.D

Three Faculty Pursuing Ph.D

Sixteen Faculty Completed M.Tech

2) **Availability of topmost expertise in many research areas**: The department has expert faculties in the research areas like Signal Processing, Wireless Communication, Embedded System, VLSI/VHDL.

3) **Department is recognized as a center for M.E. by research and Ph.D:**

7 candidates are pursuing Ph.D. From this center & one is pursuing M.E. by research.

## FACULTY ACHIEVEMENTS

**A.P. Rathkantiwar**, Assistant Professor of Electronics & Telecommunication in Priyadarshini College of Engineering has been awarded Ph.D in faculty of Engineering and Technology under Nagpur University. Her topic of research was “Algorithms for time & frequency Synchronization in OFDM”. Her research was supervised by Dr. A.S. Gandhi, VNIT, Nagpur.

**Mr. Nitin S. Ambatkar**, Assistant Professor of Electronics & Telecommunication in Priyadarshini College of Engineering has published paper titled "Lung sound analysis based methodology to identify asthmatic patient for low power, Low Cost Embedded System" Conference organized by department of Electrical Engg. in association with institute of electrical and electronics engineers (IEEE), Pune.

## STUDENT ACHIEVEMENT

1. **Mr. Ujwal Munne** Won 1<sup>st</sup> prize in IMPETUS-2016 organized by Dr.Babasaheb College of Engineering.
2. **Mr. Oshin Warkhade** Won 1<sup>st</sup> prize in XPLORE-7.0 organized by Rajiv Gandhi College of Engineering.

## STUDENT PLACEMENT SESSION 2015-16

1	Monica Amesar	TCS	11	Soorur Ridhwi	TCS
2	Akanksha Gupta	TCS	12	Rajdeep Singh	TCS
3	Ananya Verma	TCS	13	Pallavi Bhole	TCS
4	Prashant Kumar	TCS	14	Shreya Bhadkalwar	Tech
5	Neha Wadhai	TCS	15	Rajnesh Kumar	Tech
6	Shruti Ajinkar	TCS	16	Rohit Pawar	Amazon
7	Malkeet Singh	TCS	17	Shubham Meshram	TCS
8	Manoj Kumar	Tech	18	Prajakta Ganvir	TCS
9	Sonali Chaurasiya	Collabera	19	Sidharth Thakur	Collabera
10	Swapnil Pali	Amazon	20	Himanshu Kumar	Collabera



# SPORTS QUIZE.....

1. Which team won the gold medal in the women's football at Rio Olympics ?  
a. Germany      b. Sweden ;      c. Great Britain
2. Which team missed out on qualifying for the final of 4\*100 m women's relay but was allowed a solo re-run of their heat on Thursday when officials ruled it was obstructed during the race ? They went on to win the gold in the event.  
a. USA ;      b. Netherlands ;      c. Jamaica
3. PV Sindhu played Carolina Marin in the finals of the badminton at Rio Olympics. Whom she defeat in the semi-finals to reach the finals ?  
a. Ratchanok Intanon ;      b. Mozomi Okuhara ;      c. Bae Yeon-ju
4. Whom did Sakshi Malik defeat to win the Bronze in Women's Freestyle 58kg at Rio Olympics ?  
a. Kaori Icho ;      b. Aisuluu Tynybekova ;      c. Valeria Koblova
5. Who has been selected for the Dronacharya award this year ?  
a. Pullela Gopichand ;      b. Bisheshwar Nandi ;      c. Kuldeep Singh
6. Which cricket team is at the top of the International Cricket Council (ICC) ranking ?  
a. Pakistan ;      b. India ;      c. England
7. Which team won the four-nation Hockey Tournament held in Parana Argentina ?  
a. India ;      b. Argentina ;      c. Ireland
8. Which team won the Club World Cup football title ?  
a. Santos ;      b. Barcelona ;      c. Monterrey
9. Who won the Asia Cup 2011 luge title with a new continental speed record in Nagano, Japan, on Sunday ?  
a. Takahisa Oguchi ;      b. Wang Mang ;      c. Shiva Keshavan
10. Which badminton champion added a first Super Series Final title to his trophy haul ?  
a. Lin Dan ;      b. Chen Long ;      c. Lee Chong Wei
11. Who won the 7<sup>th</sup> Crocodile Challenge Cup squash tournament in Hong Kong ?  
a. Joey Chan ;      b. Dipika Pallikal ;      c. Sarah Kippax
12. Who won the women's single crown at the \$ 15,000 Tata Open India International Challenges Badminton tournament at the NSCI courts, in Mumbai ?  
a. P.V. Sindhu      b. Sayali Gokhale      c. P.C. Thulasi

*Priyanka Badole*  
*V Sem ETC*

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ANSWERS :- 1. Germany ; 2. USA ; 3. Mozomi Okuhara ; 4. Aisuluu Tynybekova ; 5. Bisheshwar Nandi ; 6. Pakistan ; 7. Argentina ; 8. Barcelona ; 9. Shiva Keshavan ; 10. Lin Dan ; 11. Dipika Pallikal ; 12. P.V.Sindhu



## *Me and Myself*

*I am told this was the most popular baby boys' name  
in 1984.*

*I was born that year and in high school I had 40  
friends; maybe more—*

*With the same first name to grace the locker room  
floor.*

*So I learned not to turn around when classmates in  
the hallway begun to hiss...*

*The most common name that rhymes with this.  
As for the rules of this contest, I still could write my  
real name and give all Soupsters' the fits.*

*But no matter how common my name may be...  
It is wondrous and with a different one, I may not  
even be me.*

*Thank you this for rhyming with hiss and thank you  
for giving all Soupsters' the fits!*



*By Swapnil Pali  
4th year ETC*

## *FOR YOU*

*You are like a pearl, totally a daddy's girl.*

*You are like a star,*

*Which will never go from us far.*

*You are like a shell,*

*Which will always protect us from the hell.*

*You never beat,*

*Cause 'paradise' lies under your feet.*

*'Love you mother'!*

*Roshni Katre  
V Sem ETC*



## *FEELINGS*

*Sonnets are full of love, and this my tome  
Has many sonnets: so here now shall be  
One sonnet more, a love sonnet, from me  
To her whose heart is my heart's quiet home,  
To my first Love, my Mother, on whose knee  
I learnt love-lore that is not troublesome;  
Whose service is my special dignity,  
And she my loadstar while I go and come  
And so because you love me, and because  
I love you, Mother, I have woven a wreath  
Of rhymes wherewith to crown your honored name:  
In you not fourscore years can dim the flame  
Of love, whose blessed glow transcends the laws  
Of time and change and mortal life and death.*

*By Diksha Kamble  
3rd year ETC*



*Nature, nature, nature  
This as our future*

*The sun Rises in East*

*And brings smiles to our cheeks*

*There are many reasons*

*For these beautiful seasons*

*To have this fun*

*Go for a walk along the setting sun*

*The water rises high in the sea  
Which is called a tide*

*But have you ever wondered*

*The path you choose is always right?*

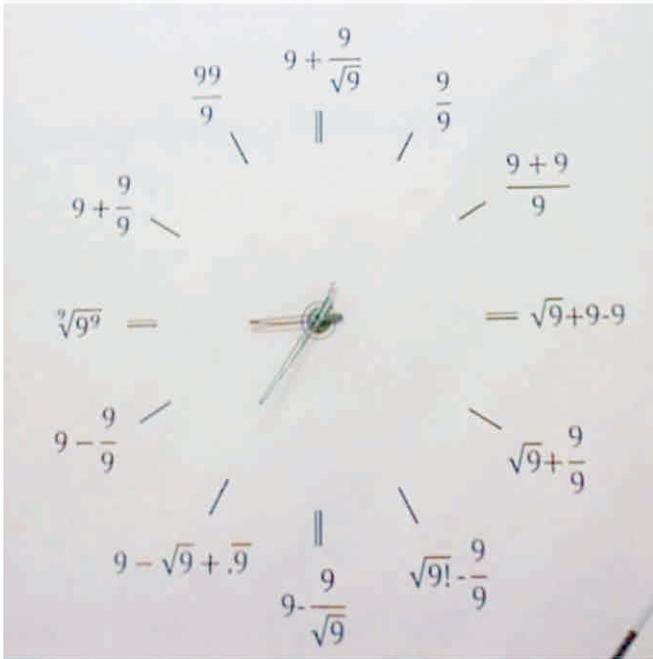
*Keep walking along the dust-laden roads*

*No matter where you go!*

*By Ananya Verma  
4th year ETC*



Amazing mathematical clock made by only using 9.....those who like maths will find it interesting..... I liked it so much....so sharing it with all of you dear friends..... 😊😊



### BEST QUOTES

1. Failure will never overtake me if my determination to succeed is strong enough.
2. "Don't take rest after your first victory because if you fail in second, more lips are waiting to say that your first victory was just luck."
3. "All Birds find shelter during a rain. But Eagle avoids rain by flying above the Clouds."
4. "Man needs difficulties in life because they are necessary to enjoy the success."
5. "If you want to shine like a sun. First burn like a sun."
6. "All of us do not have equal talent. But , all of us have an equal opportunity to develop our talents."
7. " Be more dedicated to making solid achievements than in running after swift but synthetic happiness."
8. "Thinking should become your capital asset, no matter whatever ups and downs you come across in your life."
9. " Without your involvement you can't succeed. With your involvement you can't fail. "

- A.P.J Abdul Kalam

## Wizard Chess moves via Raspberry Pi

I salute the ambition of this one, a Raspberry Pi chess system to control the movement of pieces on the board.

We've covered chess control systems before – see, for example an **Arduino system powering remote chess** moves in (almost) real time – but this one involves a Pi.

Thanks to the **Raspberry Pi Foundation** for highlighting the skilled work of a young Gadget Master, "Hatterskent".

### Wizard Chess

Apparently, she wanted to recreate the Wizard's Chess set from one of the Harry Potter films (The Philosopher's Stone (haven't seen it, I must admit)). And what makes it even more impressive is that she didn't know how to play chess.... so she just read the rules for moving each piece and coded them straight into her program (using C).

It's based on 64 sensors, the use of magnets and servo and motor control, and rack gears and crossbars, for both the X and Y Axis... You can read more about the project on the Kent Raspberry Jams website.

Hatterskent writes:

After programming the game, the next task was to build the chess board. I used two 28BYJ-48 stepper motors, along with a 4tronix PiStep board in order to move the framework which consisted of: three drawer runners, gears and racks, various pieces of wood of various sizes along with an electromagnet controlled using a relay module and an external power supply. I put the main framework together pretty much the same way as is outlines on the previous link (so I don't want to type out the method again, mainly because I'm lazy). Due mainly to my incapability at measuring, the electromagnet was put lower into the casing of the top stepper motor than the original instructions. Below are some of the development photos.

It is, however, an ongoing-but-paused project. Due to lack of funds and looming exams, it has been put on hold before being completed.

I plan to continue working on the project to improve it to make it as best as it can be. The main issue at the moment is the lack of the ability to move pieces around other pieces on the board. Currently, if you're moving a knight, all pieces in the way of the moving piece have to be moved by hand. I hope to either make the system move pieces out the way or move around the pieces already on the board. I also hope to include the ability to input moves through the use of a microphone meaning that it could become more like the desired Wizard Chess from Harry Potter which I hope it could become.

Vaishnavi Thakre  
V-SEM ETC



# Feel Proud To Be An Indian...

We all are Indians and we should be proud of being an Indian. Albert Einstein once said, "We owe a lot to Indians who taught us how to count without which no worthwhile discovery would have been made." This was because Aryabhata gave world the concept of Zero without which complex calculations would have been possible. He also calculated the value of pi upto four decimal places. Trigonometry, algebra, calculus, place value system and decimal system were developed in India.

Many of great scientific theories were given by Indians but the main problem was that they could not spread worldwide. Acharya Kanad gave the atomic theory 2500 years ago John Dalton. Acharya Bharadwaj wrote about the aviation technology. Bhaskaracharya told us that how many days does it take for the earth to revolve around the sun correctly hundreds of years before others starts. His treatise "Sidhanta Shiromany" speaks about the force of attraction by which the objects fall on earth 500 years before Newton. Acharya Charak (Father of Medicine) gave the ethical charter 200 years before "Hippocratic oath". The credit of aviation Engineering goes to Wright brothers but we forget the pushpak plane, researches reveal that it used hgo as an aviation fuel and it is a matter of surprise for us that even NASA does not have compatible engines available for this fuel. Cataract surgery and plastic surgery were originated in India and Acharya Shushruta was the first surgeon of the world and Ayurveda was the first school.

Vedas termed earth as Brahmand(oval shaped body) 200years before the European observatory produced an image of earth also vedic theory of 84 lakhs yonis (species) was conformed by latest researches by us as they said they are more than 8 million living species. Martial arts, chess, buttons (shirt), ruler, shampoo all have Indian origin. Diamond mining was first established in India. India gave the world Yoga which is still existing. India is one of the few countries who make super computers. Two major religions Buddhism and Jainism were est. in India. India also found water in Moon. India has great regional diversity but still if there are problems like 26/11 the whole country is united.

But still we think to settle in foreign countries. NASA is at the top but 20% scientists in NASA are Indians. So we should avoid brain-drain.

**India was , is and will remain great.**

**Mayuri Shende  
V Sem ETC**

## FIVE LEADERSHIP PRINCIPLES TO LEARN FROM AN EAGLE...

- **Eagles fly alone and at High Altitudes**

They don't fly with sparrows, ravens, and another small birds.

**MEANING;** Stay away from intolerant people, those that bring you down. Eagle flies with Eagles. Keep good company.

- **Eagles have an Accurate Vision.**

They have the ability to focus on something as far as 5km away. No matter the obstacles, the eagle will not move his focus from the prey until he grabs it.

**MEANING;** Have a vision and remains focused no matter what the obstacles and you will succeed.

- **Eagles do not eat Dead things. They Feed only on fresh Prey.**

**MEANING;** Do not rely on your past success , keep looking for new frontiers to conquer. Leave your past where it belongs, in the past.

- **Eagles Love the Storm.**

When clouds gather, the eagle gets excited, the eagle uses the storms wind to lift itself higher. Once it finds the wind of the storm, the eagle uses the raging storm to lift itself above the clouds. This gives the eagle an opportunity to glide and rest its wings. In the meantime, all the other birds hide in the branches and leaves of the tree.

**MEANING;** Face your challenges head on knowing that these will make you emerge stronger and better than you were. We can use the storms of life to rise to greater heights. Achievers are not afraid to rise to greater heights. Achievers are not afraid of challenges, rather they relish them and use them profitably.

- **Eagles Prepare For Training;**

They remove the feathers and soft grass in the nest so that the young ones get uncomfortable in preparation for flying and eventually flies when it becomes unbearable to stay in the nest.

**MEANING;** Leave your Comfort Zone, there is NO Growth There.

**YES, NEVER GIVE UP, BE AN EAGLE,  
NEVER EVER GIVE UP !!!**

by...Prof.N. Ambatkar





**Shraddha Pande**  
V-SEM ETC

## Astra Missile Proves Anti-jamming Capability

A crucial capability of the air-to-air Astra missile — its resistance to jamming — was successfully validated in recent trials conducted by missile scientists of the Defence Research and Development Organisation (DRDO), which indigenously developed the compact missile.

After carrying out some more trials, including air launch trial with a warhead, the Beyond-Visual Range missile is set to be inducted into the Air Force next year, DRDO sources told *The Hindu* here on Friday.

During the recent ground and air trials conducted near Pune, the missile's RF seeker and other electronic components were sought to be jammed to see how it performs in such a scenario at the time of war when the enemy tries to jam its operation. The ECCM (electronic counter-counter measure) features of the missile to overcome any jamming were evaluated. “The trials were vigorous. But the state-of-the-art missile did very well,” said the sources.

While several developmental trials, including captive flight mode, were already completed, next month's tests would evaluate its performance in different scenarios and cover the entire air launch envelope required before its induction.

The all-weather, radar homing missile has high manoeuvrability and capability to engage and destroy aerial targets at supersonic speeds. The 60-km plus range missile possesses Shot Kill Probability (SSKP) making it one of the most reliable in its class of weapon systems.

The missile could be launched at different altitudes from sea level to 20 km for engaging aerial targets at various ranges



The beyond visual range air-to-air missile ASTRA was once again successfully test-fired on Friday by the Indian Air Force off the coast of Odisha near the Integrated Test Range, Balasore.

### Integration

Apart from integrating the missile with Su-30, it is planned to be mounted on other fighter aircraft including Tejas Light Combat Aircraft, Mirage-2000 and MIG-29. The missile complex at Hyderabad and several DRDO laboratories in partnership with the Hindustan Aeronautics Limited and the Indian Air Force developed Astra. The sources said the DRDO was planning to develop different versions of longer range air-launch missiles as the missile scientists now got a handle on air-to-air missile technology

**Neha Wadhai**  
VII-SEM ETC



# SAINT OF THE GUTTERS "MOTHER TERESA"



Affectionately called the 'saint of the gutters' during her lifetime, Mother Teresa of Calcutta is made an official saint of the Roman Catholic Church on September 4, 2016, 19 years after her death. (Photo: Official website/Atletic/Zvonimir)



In early 1929 she moved to Calcutta, now known as Kolkata, where she became a teacher and, 15 years on, headmistress at a convent school. (Photo: Official website/Atletic/Zvonimir)



In 1946 she received 'a call within a call' to found the Missionaries of Charity, officially established as a religious congregation in 1950. Nuns of the order began calling her Mother Teresa. The Indian government granted her citizenship in 1951. (Photo: Official website/Atletic/Zvonimir)



The following year Mother Teresa opened her first home for the dying, and in 1957 her first mobile leprosy clinic. (Photo: AP)

Mother Teresa was born to ethnic Albanian parents on August 26, 1910 in Skopje, now the capital of Macedonia, and named Gonxha Agnes Bojaxhiu. (Photo: AP)



Deeply religious, she became a nun at the age of 16, joining the Loreto abbey in Ireland. Two years later she was given the name Sister Teresa. (Photo: AP)



She worked for three decades in India before leaving for the first time in 1960, going to the United States to address the National Council of Catholic Women. (Photo: AP)



In 1965, Pope Paul VI granted the Decree of Praise to Mother Teresa's religious order, bringing it directly under Vatican jurisdiction. That same year the first Missionaries of Charity house outside India was founded, in Venezuela. (Photo: Official website/Atletic/Zvonimir)

(Photo: Official website/Atletic/Zvonimir)



In 1979 Mother Teresa was awarded the Nobel Peace Prize for her work for the world's destitute. 'I am unworthy,' she said. (Photo: Official website/Atletic/Zvonimir)



Despite declining health, including arthritis, failing eyesight and heart problems, she continued to work. (Photo: Official website/Atletic/Zvonimir)



On September 5, 1997, Mother Teresa died of a heart attack at her Order's headquarters in Kolkata. An array of world dignitaries attended her funeral. (Photo: Screengrab)



**Asst. Prof. Devashri Patrikar**

## *Sharpen Your Axe*

We tend to hear much more about the splendors returned than the ships that brought them or the shipwrights. It has always been that way. Even those history books enamored of the voyages of Christopher Columbus do not tell much about the builders of the Nina the Pinta and the Santa Maria or about the principle of the caravel. These spacecraft their designers builders navigators and controllers are examples of what science and engineering set free for well-defined peaceful purposes can accomplish. Those scientists and engineers should be role models for an America seeking excellence and international competitiveness. They should be on our stamps.

**Kushal Lal**  
III Sem ETC



## **BUT ITS JUST A DREAM**

I wish I could fly  
High in the sky  
All above the lakes  
Rivers and streams  
But its just a dream  
I wish I could be all alone  
Where I could live my life on my own  
Where I could cry  
Shout and scream  
But, its just a dream  
I wish I could be here  
Where no one has any kind of fear  
Where everyone cuts cakes of happiness  
With toppings of strawberries and cream  
But, its just a dream.

JIGNESH KUMAR SHAH  
III Sem ETC

## **If you think...**

If you think you are beaten, you are,  
If you think you dare not, you don't.  
If you like to win, but think you can't,  
It's almost a cinch you won't.

If you think you'll lose, you are,  
For out in the world we find  
Success begins with a fellow's will;  
It's all in the state of mind.

If you think you're outclassed, you are,  
You've got to think to rise,  
You've got to think to rise,  
You've got to be sure of yourself  
Before you can win the prize,

Life battles don't always go  
To the stronger or faster man;  
But sooner or later the man who wins  
I the man who thinks he can.

Satyarth Kumar  
III Sem Etc

## **Father, My Strength**

Whenever I got scared and ran with fright,  
You were there by me to hold me tight.  
When obscurity cuddled me on moonless night,  
You held my hand and led me to light.

You stood with me in my dots and dare,  
You chucked my grief with healing care,  
You are the best; the best blessing I ever had,  
You are my savior, gladly you are my dad.

You are my armor in lives endless fight,  
You stand out like a candle to give me sight.  
You rejoiced my success; in my failure you carried,  
Challenges seem easy when you are by my side.

Worries run away when you are close to me,  
With you I can spend my each second lavishly.  
Grateful I am to mu masker, for what he granted,  
The best father I have that anyone would have wanted.

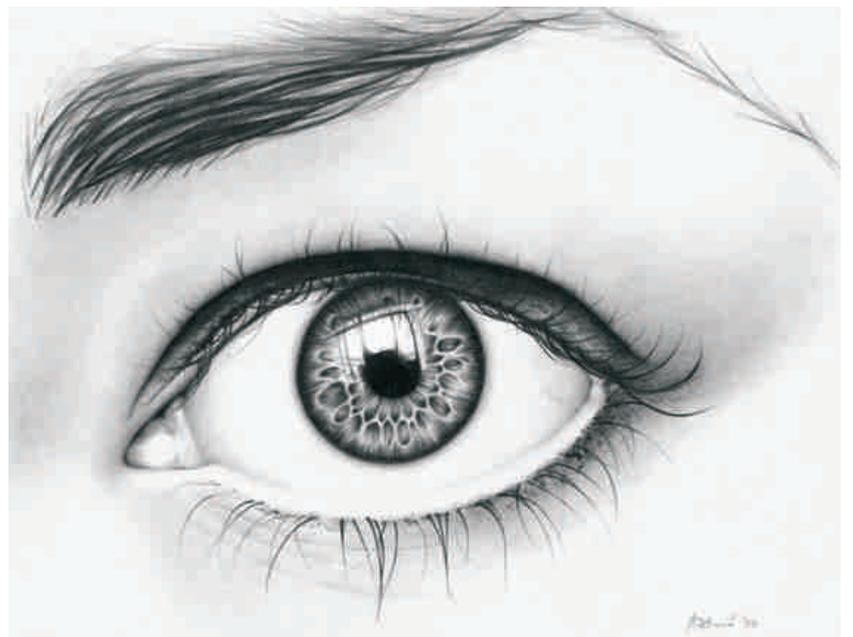
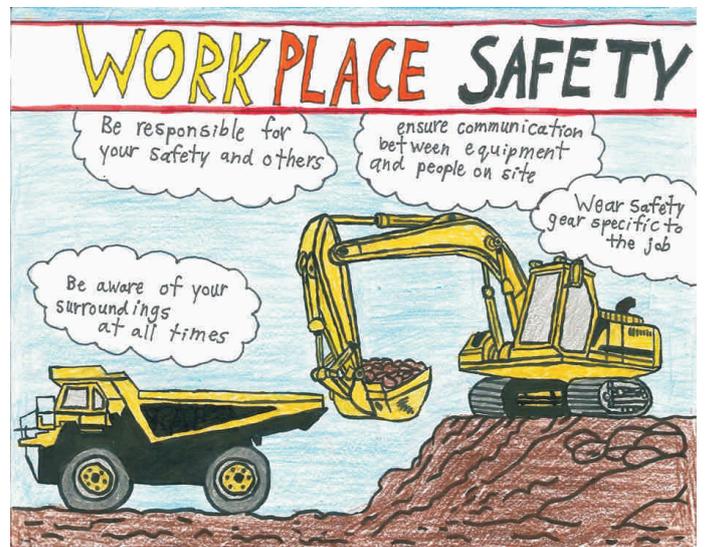
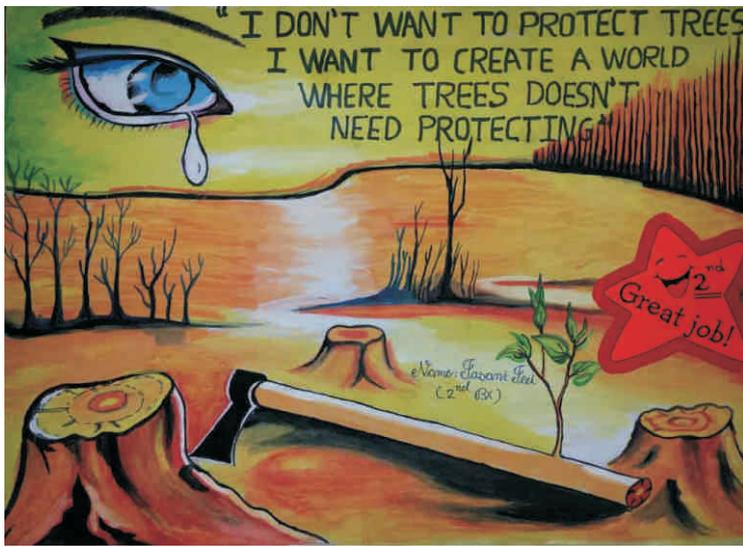
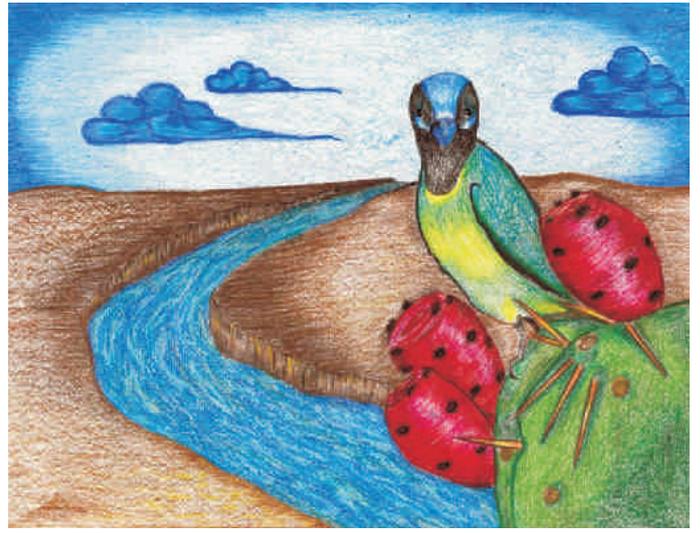
Ankit Bongirwar  
V Sem ETC

## **Without Mom**

Without you, my mom  
Where would I be?  
Through hard times  
You were always there for me..  
You raised me up the best you could  
And taught me all you know about good.  
You would cheer on at any game,  
All the way  
Until I walk through the hall of fame.  
You were strong through  
All the stress I caused.  
You were always willing  
to put your life on pause.  
So I thank you, Mom  
for always being there for me.  
Because without you  
Where would I be.....

Ruchir Rahangdale  
V Sem ETC





JIGNESH KUMAR SHAH  
III Sem ETC



## THE IMPORTANCE OF VALUES AND MORALS

According to Father of Indian Nation M.K.Gandhi

"If wealth is lost nothing is lost"

"If health is lost something is lost"

"If character is lost everything is lost"

Best of all things is character.

Every one knows that life is precious – that life is important. We all protect our life because we care for it more than anything else. If life is so important, the values of life are even more important. Values are guiding principles, or standards of behaviour which are regarded desirable, important and held in high esteem by a particular society in which a person lives.

"The Importance of Values and Morals are the code we live by in a civil and just society. They are what we use to guide our interactions with others, with our friends and family, in our businesses and professional behaviour. Our values and morals are a reflection of our spirituality; our character. They are what we hope to model for our children and the children around us, because children do watch us as they develop their own sense of right and wrong.

Value education means inculcating in the children sense humanism, a deep concern for the well being of others and the nation. This can be accomplished only when we instill in the children a deep feeling of commitment to values that would build this country and bring back to the people pride in work that brings order, security and assured progress.

Remember the **"CHINESE PROVERB"**.

"If there is righteousness in the heart, there will be beauty in character, if there is beauty in character, there will be harmony in the home, when there is harmony in the home, there will be order in the nation, when there is order in the nation there will be peace in the world".

A person with proper values will not be afraid to face problems. He or she will expect and accept them as part of life. He or she will not give un necessary importance to anything that happens in life. He or she will have complete faith in God. Such a person will be an example to the rest.

Last but not least We must love our own values in life, to build a strong character. It will help us to lead our life as it should be lead. It is very necessary for the fulfillment of life's purpose.

**"LET NOBLE THOUGHTS COME TO ME FROM ALL DIRECTIONS"**.

by...Prof. Poonam Chati

## WE CAN'T IGNORE THAT TECHNOLOGY IS CHANGING OUR BRAINS

The fundamental point is that the increasing impact of information technology on our lives raises a host of issues that we must unpack: the impact of social networking on identity; the effects of gaming on attention spans; the effects of search engines on memory and learning ... the list goes on. Where we can be specific, however, we can begin to make judgements. On the potentially deleterious effects of social networking, for example, many studies point to an associated trend for a more "volatile" identity, increased narcissism, low self-esteem and concealment of the "real" self. Moreover, recent research suggests that an environmental component to autistic-like behaviours cannot be completely discounted, and the environment of the screen could in some cases be relevant. There is also little doubt that all of the new technologies, led by the Internet, are shaping the way we think in ways obvious and subtle, deliberate and unintentional, and advantageous and detrimental. The uncertain reality is that, with this new technological frontier in its infancy and developments emerging at a rapid pace, we have neither the benefit of historical hindsight nor the time to ponder or examine the value and cost of these advancements in terms of how it influences our children's ability to think.

There is, however, a growing body of research that technology can be both beneficial and harmful to different ways in which children think. Moreover, this influence isn't just affecting children on the surface of their thinking. Rather, because their brains are still developing and malleable, frequent exposure by so-called digital natives to technology is actually wiring the brain in ways very different than in previous generations. What is clear is that, as with advances throughout history, the technology that is available determines how our brains develop. For example, as the technology writer Nicholas Carr([link is external](#)) has observed, the emergence of reading encouraged our brains to be focused and imaginative. In contrast, the rise of the Internet is strengthening our ability to scan information rapidly and efficiently. The effects of technology on children are complicated, with both benefits and costs. Whether technology helps or hurts in the development of your children's thinking depends on what specific technology is used and how and what frequency it is used. At least early in their lives, the power to dictate your children's relationship with technology and, as a result, its influence on them, from synaptic activity to conscious thought.

Our brains use information stored in the long-term memory to facilitate critical thinking. We need these unique memories to understand and interact with the world around us. If we rely on Google to store our knowledge, we may be losing an important part of our identity.

**Ankur Gaidhani**  
V-SEM ETC



## BIOGRAPHY OF P. V. SINDHU

P. V. Sindhu or Pusarla Venkata Sindhu is an ace shuttler and silver medalist at 2016 Rio Summer Olympics. This young badminton player from Andhra Pradesh was born to volleyball players P. V. Ramana and P. Vijaya in the year 1995. Her father was honoured with Arjuna Award for having displayed excellence in his sport. One of the youngest and talented badminton players of the contemporary times, Sindhu has featured in top 10 in the world badminton rankings for the most part of 2014.

### Started Off Early in Her Life

She started playing badminton from the age of eight after she drew inspiration from Pullela Gopichand's victory in All England Open Badminton Championship in 2001. That's the reason why she chose badminton over volleyball although her parents were professional volleyball players. Her initial apprenticeship started with Mehboob Ali at the badminton courts of Indian Railway Institute of Signal Engineering and Telecommunications in Secunderabad. Later, she joined Pullela Gopichand's badminton academy to further enhance her sporting skills.

### Sindhu's Performance in Domestic Arena

- Sindhu's first major recognition came in the form of the 5th Servo All India ranking championship for under-10 category.
- She also won the singles title at the Ambuja Cement All India ranking.
- At the 51st National School Games in India, Sindhu won the gold medal in under-14 category.

### Sindhu's Performance in International Arena

P. V. Sindhu didn't take much time to launch and establish herself as a promising player in the global arena:

- Sindhu won a bronze medal at the 2009 Sub-Junior Asian Badminton Championships held in Colombo.
- The star player bagged silver in the women's singles at Iran Fajr International Badminton Challenge in 2010.
- She found a place in the national team at the 2010 Uber Cup.

### Honours

- She received Padma Shri in 2015, which is the fourth highest civilian award of India.
- In 2014, she also received NDTV Indian of the Year.
- In 2016, she received Rajiv Gandhi Khel Ratna Award.

**Swapnil Wankhede &  
Kuldeep Sahu**  
(V-SEM ETC)

## THANK-YOU TEACHER

1) I may not remember what my teacher said but I'll never forget my teacher's voice

2) Technology has made it easier for students to learn with devices new, but nothing can come close to the experience of being taught by an inspirational teacher like you. Thank you.

3) It is easy to take you for granted but it is difficult to forget your inspirational words. It is easy to misbehave in class but it is difficult to overlook your motivational advice. It is easy to spot annoyance in your behavior but it is difficult to realize the patience you have while dealing with us. Thanks for overlooking our EASY's and never forgetting to do your DIFFICULT's.

4) Dear teacher, thanks for not making us learn the way you wanted to teach, but teaching us the way we wanted to learn.

5) Right now I am doing exactly what you have always taught me to do when someone does something nice for you – say thank you. Thank you for making me what I am.

Ananya Verma  
VII Sem ETC

## Inspiration

YOUR situation will never make you Happy unless you choose to be happy . All the money in the world can not change the way you feel until u change the way you feel. No , your feelings do not alter the circumstances. Yet they radically change what you do with the circumstances. If you feel optimistic, you will see the opportunities and seize them. If you feel despair, you feel find plenty of reasons to conform your feelings. So which will it be? How will you choose to see the world, your life , your situation today? For every person, crafting a life of quality and fulfillment is difficult work. Your attitude determines whether that work results in reward or punishment. You are in charge of the one factor that decides how to handle all the other factors. Choose the most beneficial outcome by choosing the most positive perspective. Real confidence not come from boasting, but from listening and understanding. Real confidence comes not from taking all you can, but from giving the best you have.

Real confidence comes not from ignoring your fears. Rather, it comes from learning what those fears have to Teach, and then moving ahead more fully prepared.

by...Prof.A. Jirapure



## Event : Teacher's Day Celebration



**Organized By:** Electronics and Telecommunication Engineering Department

**Participated By:** All students of the Department

**Venue:** Seminar Hall, IT Building, WING E., Dated: 05/09/2015

**Purpose:** Teacher's Day" is intended to be special day for the appreciation of teachers, and may include celebrations to honor them for their special contributions in life of every students.

**Resource Person :** All Teachers of the department

## Event : Traditional Day Celebration.



**Organized By:** Priyadarshini College of Engineering, Nagpur

**Participated By:** All Students of the College.

**Venue:** PCE Lawn , Dated: 15/02/2016

**Purpose:** To develop the feeling of unity among all the students.

**Resource Persons:** Dr.M.P.Singh, Dr.(Mrs.)S.W.Varade, Dr.V.K.Taksande, Ms.V.G. Nasre

## Event : Signout



**Organized By:** Electronics and Telecommunication Engineering Department

**Participated By:** All students of VIII<sup>th</sup> semester.

**Venue:** IT Building, Wing E , Dated: 18/04/2016

**Purpose:** To Build and capture Exit Memories

**Resource Persons:**Dr. M P. Singh, All HODs

## Event : CRT Training Programme



**Organized By:** Electronics and Telecommunication Engineering

**Participated By:** Students of VI semester.

**Venue:** Seminar Hall, IT Building, Wing E. , **Dated:** 12/03/2016 to 18/03/2016

**Purpose:** To prepare the students for campus placement

**Resource Persons:** Faculties from “Face Academy”

## Event : Seminar on “Job opportunities to ETC students in IT sector of Bank”.



**Organized By:** Electronics and Telecommunication Engineering

**Participated By:** 38 students of VI semester

**Venue:** Seminar Hall, IT Building, Wing E. , **Dated:** 11/02/2016

**Purpose:** Awareness regarding the various job opportunities in Banking sectors

**Resource Persons:** Mr.Guruprasad, CEO Miza industries.

## Event : Campus to Corporate Training



**Organized By:** Electronics and Telecommunication Engineering

**Participated By:** All students of VII semester

**Venue:** Seminar Hall, IT Building, Wing E. **Dated:** 25/07/2015

**Purpose:** Personality development

**Resource Persons:** Softskill department .

## Event : Seminar on “Aptitude preparation”.



**Organized By:** Electronics and Telecommunication Engineering

**Participated By:** All students of VI semester.

**Venue:** Seminar Hall, IT Building, Wing E. , **Dated:** 06/02/2016

**Purpose:** To focus on logical reasoning, verbal and quantitative analysis.

**Resource Persons:** Mr. Naidu from Carrier Launcher

### Event : Independence Day Celebration



Organized By: LTJSS  
Participants: All the students of the college.  
Venue: Priyadarshini Institute of Engineering & Technology, Nagpur  
Dated: 15/08/2015, Purpose: To celebrate the Independence Day of India.  
Resource Persons: Dr. M P. Singh, HODs of all Departments.

### Event : Magazine Inauguration/News Bulletin.



Organized By: Electronics and Telecommunication Engineering Department  
Participated By: All Students of the Department,  
Venue: Seminar Hall, IT Building, Wing E, Dated: 18/03/2016  
Purpose: To Keep the Record of all the event that take place in the organization as a collective and all information about the institution in one booklet (Prospectus)  
Resource Persons : Dr.S.W.Varade, Mrs.P.U.Chati, Mrs. A. R. Kondelwar

### Event : Release of college magazine confluence.



Organized By: Priyadarshini College of Engineering, Nagpur  
Participated By: All students of the college  
Venue: Lawns, PCE , Dated: 25/04/2016  
Purpose: To explore hidden talent in students.  
Resource Persons: Dr. M P. Singh, All HODs

### Event : ASHWAMEDH-16



Organized By: Priyadarshini College of Engineering, Nagpur  
Participated By: All students of the college.  
Venue: JCPE Ground , Dated: 04/03/2016 to 05/03/2016  
Purpose: To Build up extracurricular activities and sports skill among students apart from only Academics  
Resource Persons: Dr. M.P.Singh,Dr.(Mrs.).S.W.Varade, Dr.V.K.Taksande, Mrs.V. Asre.

### Event : SAYONARA-16



Organized By: Priyadarshini College Of Engineering, Nagpur.  
Participated By: All students of VIII<sup>th</sup> Semester  
Venue: PCE, Lawns, Dated: 25/04/2016  
Purpose: Farewell of students before leaving the college.  
Resource Persons: Dr. M P. Singh, All HODs

### Event : Cultural Night



Organized By: Priyadarshini College of Engineering, Nagpur  
Participated By: All the students of the college  
Venue: PCE, Lawns Date: 04/03/2016 to 05/03/2016  
Purpose: To provide the students a platform to show their dancing skills and motivate them.  
Resource Persons: Dr. V. K. Taksande

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**BAYERISCHE MOTOREN WERKE**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**HIGH TECH COMPUTER CORPORATION**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**WESTERN INDIA PRODUCTS LIMITED**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**LEG GODT: MEANING PLAY WELL IN DANISH.**

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INDIAN CITIZEN



**CAVI ELETTRICI E AFFINI TORINO**

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INDIAN CITIZEN



**HENNES & MAURITZ**

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INDIAN CITIZEN



**INDUSTRIAL CREDIT AND INVESTMENT CORPORATION OF INDIA**

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INDIAN CITIZEN



**FABBRICA ITALIANA AUTOMOBILI TORINO**

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INDIAN CITIZEN



**IKEDA**

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INDIAN CITIZEN



**ENTERTAINMENT AND SPORTS PROGRAMMING NETWORK**

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INDIAN CITIZEN



**INTERNATIONAL BUSINESS MACHINE**

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INDIAN CITIZEN



**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

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**BRITISH PHYSICAL LABORATORIES**

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INDIAN CITIZEN



**INDIA TOBACCO COMPANY**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**ANAND MILK UNION LIMITED**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**MADRAS RUBBER FACTORY**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**JAMES BULLOUGH LANSING**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**DONNA KARAN NEW YORK**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**HOUSING DEVELOPMENT FINANCE CORPORATION**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**LUCKY GOLDSTAR**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**INTEGRATED ELECTRONICS**

BRAND NAME FULL FORMS  
INDIAN CITIZEN



**CABLE NEWS NETWORK**