

# SOUVENIR

## ANNUAL ALUMNI MEET 2014

Saturday, 11<sup>th</sup> January, 2014

Air Force Auditorium, Subroto Park, New Delhi



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Subroto Park, New Delhi**



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### **MESSAGE**

The President of India, Shri Pranab Mukherjee, is happy to know that the Delhi College of Engineering (DCE) and Delhi Technological University (DTU) Alumni Association is organising Annual Alumni Meet-2013 on January 11, 2014 in Delhi.

The President extends his warm greetings and felicitations to the organisers and the participants and sends his best wishes for the success of the event.

Press Secretary to the President

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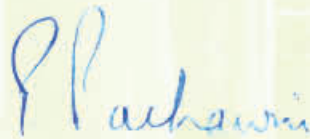
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**PRIME MINISTER'S OFFICE**  
New Delhi - 110011

## **MESSAGE**

The Prime Minister is happy to know that the Alumni Association of the Delhi College of Engineering & Delhi Technological University is organizing its Annual Alumni Meet - 2014 on 11<sup>th</sup> January, 2014 at Delhi.

Delhi College of Engineering & Delhi Technological University have been amongst the best Technical Institutions in India, providing technical graduates and post graduates to the nation who are serving the country in responsible positions in varied fields. The Prime Minister compliments the Alumni Association for its efforts in providing a forum for connecting the Alumni regularly and recognizing their contributions to the country.

On this occasion, I am happy to convey the greetings and good wishes of the Prime Minister for a successful Meet - 2014.

  
( Pankaj Pachauri )

**January 7, 2014**

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December, 19, 2013

## MESSAGE

I am happy to learn that the Alumni Association of the Delhi College of Engineering & Delhi Technological University is organizing its Annual Meet in Delhi on 11<sup>th</sup> January, 2014.

I am proud to be the Chancellor of DTU, which undoubtedly is one of the best Technical Institutions in the country. It offers degrees in various engineering disciplines, IT and also in Business Administration. For the last 72 years of its existence (first as Delhi Polytechnic, then Delhi College of Engineering & now Delhi Technological University), it has been providing high quality education, inculcating a sense of pride, discipline and ethical values in its students.

I compliment the Alumni Association for its efforts in providing a forum for connecting the Alumnus regularly and recognizing their contributions to the country. I feel delighted to see that many of the alumni have also brought pride to the College for their extraordinary contributions to the Indian Economy in its various spheres.

I am sure DCE-DTU Alumni Association will continue to bring its alumni together through such meets and help in inculcating a sense of pride of being alumni of this prestigious college/university.

I extend my warm greetings and felicitations to the Alumni Association and wish the Meet all success.

  
(Najeeb Jung)

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(Formerly Delhi College of Engineering)

**DTU**  
Delhi Technological  
UNIVERSITY

## MESSAGE



The Delhi Technological University, having had an illustrious history spanning over 72 years, has been a breeding ground for talent and is having a highly distinguished alumni presence worldwide, who have served their professions with distinction and pride. I am happy that during a short span of four years after the reconstitution of Delhi College of Engineering into a University, the DTU has made an impressive progress by adding new UG and PG programs in the areas of high relevance to the industry, besides increasing the intake at the UG level from 670 to 1546, at PG level from 100 to 600, and at PhD level from 25 to 100 and that too, in an inclusive manner. It has amply demonstrated that "equity and excellence" can coexist and should indeed go together. It has also been able to significantly enhance its R&D and Innovation activities, by percolating it from UG level upwards. DTU has earned a very high repute amongst the industry as is reflected in the very good placements which is the envy of many other institutions.

It is indeed a matter of great privilege and honour for me to be the Chairman of the Board of Management of this prestigious University. It would be our endeavour in the Board of Management, to provide the necessary propulsive thrust and support, for the further advancement of this great institution so as to enable it to emerge as one of the top ranking world class Technological Universities of the world. I am particularly happy to state that during the last one year, besides increasing the tapping of the various research grants from S&T, CSIR, DBT, ICMR and other such Research funding institutions, we have been able to tap substantial funding for the first time from UGC, AICTE as well as under the World bank funded TEQUIP(II) project.

However, we still need to raise further resources for further improving our knowledge infrastructure and we would like to appeal to our distinguished alumni to raise resources for taking your alma mater to its next level of excellence. We have the power of numbers, in terms of having over 30000 alumni who are spread within and outside India and we hope to tap this power with your kind cooperation. You are all kindly aware that under the amended Companies Act 2013, 2% of the average profits of the previous 3 years, has to be spent for discharging corporate social responsibility on specified CSR activities by all companies which during any financial year, have a turnover of Rs.1000 Cr. or more, or a net worth of Rs.500 Cr. or more, or a profit of Rs. 5 Cr. or more. Any contributions for the promotion of education, or for the Innovation and Incubation Centres, would eminently qualify under CSR and I am quite sure that many of you, will be able to influence the decision makers in some such big companies/industrial houses to meet their CSR obligations, by contributing to your alma mater.

It would indeed be great, if your esteemed Alumni Association could sponsor an Innovation cum Incubation Centre at DTU and some of you could mentor the budding entrepreneurs at this Centre. This, I am sure will also make you further strengthen your bonds with your alma mater. We hope and wish that you will continue to cherish your days at DTU and will continue to nurture a lifelong relationship with your alma mater. We sincerely hope that you all will have very satisfying and successful professional careers, serving your motherland with distinction and pride, and would further bring laurels to your alma mater.

I wish the alumni get-together all the success and wish you all a very happy and prosperous 2014 and beyond.....

R. P. Agrawal, IAS (Retd.)  
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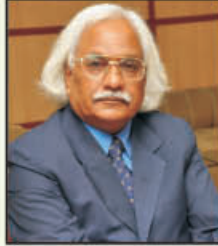
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Delhi Technological  
UNIVERSITY

**Prof. P.B. Sharma**

Ph.D., (B'ham, U.K)  
FIE, FAeroS, FWAPS

**Vice-Chancellor**



E-MAIL : [vcdu@dce.edu](mailto:vcdu@dce.edu)  
[pbsharma48@yahoo.co.in](mailto:pbsharma48@yahoo.co.in)

F. VC/DO/2013-14/5178

Date: 29.11.2013

## MESSAGE

I am pleased to note that the Alumni Association of DCE-DTU is organizing the Annual Alumni Meet on January 11, 2014. The Alumni Meet is an occasion for the reunion of the alumni to advance the feeling of fraternity and is an occasion to take pride in achievements of their batch mates and seniors who have excelled in life in their chosen fields.

During its 72 years long illustrious journey great advancements have been made by this illustrious institution by moving from Delhi Polytechnic in 1941 to Delhi College of Engineering in 1965 which became the illustrious Delhi Technological University in 2009. All along the institution has marched from strength to strength and has carried forward its mission of quality education, research and innovations with firm commitment and resolve to nurture excellence.

I invite the alumni of this great institution to have their effective connect with their alma-mater so as to be partner in progress in shaping their alma-mater as a technological university of their dream.

I extend my warm greetings to all Members of the Alumni Association and their family who are congregating at this Annual Alumni Meet and wish them all success in their life.

**Prof. P.B. Sharma**  
**Vice-Chancellor**

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**MESSAGE**

On the occasion of the Annual Alumni Meet - 2014 of the Delhi College of Engineering (now Delhi Technological University), I wish the Alumni and their families successful, prosperous and happy future. I also congratulate the Alumni for their excellent track record. We are all proud of contributions made by the illustrious Alumni of our Premier Institution in the field of technology and to the society.

In the recent past, the young Alumni have taken keen interest in the Alumni Association, thereby generating synergy and the enthusiasm in the functioning of the association. I congratulate them for their contribution and request the others to contribute in strengthening the functioning of the Association.

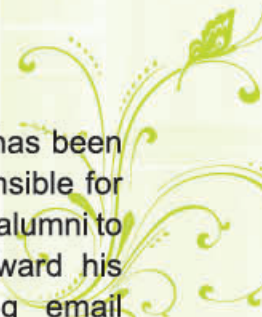
Friends, as you are aware that various initiatives have been taken by the association with the support of its members to bridge the gap between the association and the university and to encourage and recognize those who have made notable contributions to the society and to the technology.

We have been honoring the distinguished faculty who not only has imparted excellent education to the students but also has made notable contribution elsewhere in the field of education. We are also honoring distinguished alumni every year for their contribution in their fields, to the society and to the Alma Mater.

The process of opening the chapters in different cities was initiated and by now, three chapters at Haridwar, Bangalore and Mumbai have been started. All the three chapters have generated a lot of enthusiasm and have been organizing the activities in the respective cities. We certainly intend to open more chapters in India and abroad wherever the sizeable population of the alumni exists. This needs support and initiative of the alumni located at numerous cities across the globe.

The website of the Association has improved the connectivity. The audit of the website was recently done by a team of alumni and certain amendments have been suggested which are being incorporated to improve the interaction through website.





We had also introduced a system of batch coordinators, but the response has been meager. It is suggested that one alumnus from each batch should become responsible for collecting the database of his batch and to provide it to the association. I request the alumni to help the Association in building the database and anyone interested can forward his nomination either on the website of the association or on the following email addresses: karnalsingh2@gmail.com, sanjay.diwan10@gmail.com or arunk@yahoo.com.

We had been striving to introduce the collection of alumni membership fee through fee structure of the Institute, however, it has not been successful. We are trying this year again in this direction. It has also been planned to induct the students of the University as “student member” in the association without charging any fee from them at this stage. Subsequently, on passing out they can become the members by contributing towards the membership fee. One good news is that the longstanding requirement of the association to open an office at Delhi Technological University has been fulfilled. The office is functional and the students can approach the office either for becoming student member or to connect to the alumni.

The last year, I had promised to make the amendments in the Article of Association so that elections can be held expeditiously. The Article of Association has been finalized and will be put up for the approval of the general body during the Annual Alumni Meet. I would also like to bring to your notice that there is a proposal to start the “Foundation” which can connect the University with the Alumni so as to provide the alumni funds to the Institute and also help the Institute (Delhi Technological University) in evolving and achieving its vision and mission.

This year we will be felicitating the Golden Jubilee batch of 1964 and the Silver Jubilee batch of 1989. My congratulations to them and also to the distinguished faculty, distinguished alumni and the meritorious students.

The organizing Committee headed by Mr. Sanjay Diwan needs special mention as it is due to the indefatigable efforts made by them that everything has been planned and executed meticulously. I wish the Organizing Committee and the Executive Committee all success in their endeavor and wish the Annual Meet 2014 to be a grand success.

**Karnal Singh**  
President  
DCE-DTU Alumni Association



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**S M MAHAJAN**  
Vice President  
DCE-DTU Alumni Association

## **MESSAGE**

I am indeed very happy to see the hectic preparations, the wide spread enthuse and the ever increasing response to the Annual Meet of our dear college (DCE) , now a full university (DTU). The date has been advanced on request of the NRI alumni and venue changed to a more spacious one to accommodate the fast growing participation.

Your Association has been trying to reach the alumni in all parts of the country as well abroad. The alumni data bank has been strengthened, more members enrolled and three chapters already opened in Hardwar, Mumbai and Bangalore. The website is being regularly updated and is being visited by more and more alumni. The Memorandum of Association has been revisited and under process of modification. The functioning has been made more transparent, cohesive and widely participative. Qualifying Award criteria for the Annual Awards has been well laid down & put on our website. Guidelines for assessment & final selection have been made. A new award " Life Time Achievement Award " has been created besides the "Distinguished Alumni Award" and the " Trail Blazer Award". Students of the DTU are being encouraged & recognized in the pursuits.

The Alumni Association is continuously striving to bring more & more alumni in the membership net and provide a broad forum & platform of meeting their batchmates and other alumni so that the bond becomes stronger.

I am sure you are all eagerly looking forward to the Annual Meet and the get together, as also the cultural & other events being organized by the Alumni association on the 11 th January 2014.

I take this opportunity to wish all alumni and their families a "Very Happy and Prosperous New Year". May this year bring fulfillment of all your dreams. I also wish the DCE-DTU Alumni Association greater success year after year. We are all proud to be DCEites ( if the term can still be used) and shall do all that is possible to further enhance its reputation and service to the nation.

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**SURESH RAHEJA**  
Vice President  
DCE-DTU Alumni Association

## MESSAGE

DCE-DTU, as the name suggests, carefully weighs out and provides a balance that is not only enriching academically but at the same time we lay special emphasis on the overall development of every student. We guarantee an educational experience that will recognize individual strengths and talents and help each one reach the zenith of success. We, at the Alumni Association Delhi College of Engineering, are happy to be associated with one of the premier institutions in the country, imparting engineering education to bright minds of the day, and preparing them for objectives, detailed above.

I am extremely happy to address you all through the alumni association of our college. I am continuously amazed that how well we have emerged out in all walks of life spanning across the entire globe. Credit on the noble role of our college towards shaping us what we are today. We at the Alumni Association have a mission to create and disseminate knowledge by developing and widening the quest quotient of our students with enthusiasm and excellence. Our belief is that education cannot be confined within the boundaries of an institution and grows with every passing moment of a student's life. Keeping this in mind we encourage our students to take the initiative to explore themselves and realize themselves to their full potential. Our state of the art infrastructure along with our corporate interface program provides the students with the ideal platform to harness their energies giving them an opportunity to pursue their goals.

I wish you all to passionately foster an ardent and emotional attachment towards our college, Together we can brighter the prospects of our alma mater by establishing a legacy that will maintain the name of the college in high esteem, honor and reputation, You are the foremost assets of the college in steering it on the road of rich heritage to the proud position of one of the enlisted institutions of technical education on the world.

Looking forward for your proactive participation in the activities of our alumni association in whatever way you are interested in would definitely, be a delight to watch.

Earnestly soliciting your Midas touch with best wishes to all of you, your family and friends.

Warm Regards

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Date: 7th January, 2014



## **MESSAGE**

On the occasion of Annual Alumni Meet of DCE- DTU Alumni Association being held on 11th January, 2014 at Air force Auditorium, Subroto Park, New Delhi, I congratulate you all for making a mark in whichever field you have ventured into. I also convey my best wishes to you and your family for a very Happy & Prosperous New Year 2014!

As you are aware the Alumni Association of DCE (now DCE- DTU Alumni Association), a registered body of DCE & DTU graduates, organizes an Annual Alumni Meet every year in the month of January/ February. Since 2005, these Annual Meets have been attracting a large gathering of our Alumni and their family members from various cities of India as well as abroad and provide an excellent platform for networking and meeting old friends. I express my gratitude to all the members of DCE Fraternity who spare their valuable time to attend Annual Alumni Meet and make the occasion memorable.

Further, I am pleased to inform that the Association has further spread its wings to the IT capital of India with the launch of Bengaluru Chapter of the Association on April 4, 2013. This is the third Chapter of the Association after Haridwar and Mumbai. The Bengaluru Chapter Launch event was organized at the prestigious KGA Club and was attended by about 70 of our alumni from various batches spanning more than 40 years. Senior alumni like Sharad Sharma (ex Chief Yahoo India) and Hardeep S. Guindi (ex TVS) also graced the event. This Chapter is headed by Shri Arun Thakur of 1981 batch. I wish them all the best for their endeavors.

As you may also be aware prior to 2005, the attendance in the Annual Meets used to be very less, about hundred to two hundred only. It was in the Annual Meet of 2004 at the lawns of Institution of Engineers (at I.T.O) that the idea of rejuvenating the association was conceived and the first ever Alumni Meet at a grand scale was organized on 22nd January, 2005 at FICCI Auditorium which was attended by more than 700 of our alumni from India as well as abroad, faculty members and distinguished guests. Since then there is no looking back. Some of the significant initiatives /achievements of the Association since then are:

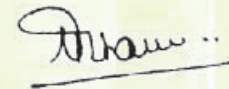
- Launch of Alumni Association's Website [www.dcealumni.org](http://www.dcealumni.org) on 3rd December, 2005 at India Habitat Center, New Delhi.
- Institution and presentation of first "Meritorious Students Awards" in the Annual Meet on 28th January, 2007 at FICCI Auditorium, New Delhi.

- 
- Institution and presentation of first " Distinguished Faculty Awards" in the Annual Meet on 7th February,2009 at FICCI Auditorium, New Delhi.
  - Launch of "Online Membership Facility" by integration of ICICI Payment Gateway with the Association's website in the Annual Meet on 7th February,2009 at FICCI Auditorium, New Delhi.
  - Introduced the concept of "Batch Coordinators" and names of first ten members were finalized and put on website in February, 2009.
  - Inauguration of "Haridwar Chapter" of the Association on 26th June, 2009 at Haridwar.
  - Inauguration of "Mumbai Chapter" of the Association on 9th January, 2013 at Mumbai.
  - Institution and presentation of first " Trail Blazer Alumni Awards" in the Annual Meet on 9th February,2013 at FICCI Auditorium, New Delhi.
  - Institution of "Life Time Achievement Alumni Awards" w.e.f. 2014.
  - Inauguration of "Bengaluru Chapter" of the Association on 4th April, 2013 at Bengaluru.


We further intend to strengthen the networking of DCE fraternity by opening more chapters of the Association in major cities of India as well as abroad. I request DCEites to come forward and help the Association in this regard.

I take this opportunity to congratulate and convey my sincere thanks to the Office Bearers, Members of the Executive Council and Organizing Committee of the Association for their untiring efforts in organizing the Meet. My sincere thanks also go to the Sponsors / Advertisers who have contributed significantly for organizing this Meet.

I sincerely hope that the Association will continue to grow with your cooperation & support and I wish the Annual Meet 2014 to be a grand success.



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## **MESSAGE**

Dated: 11<sup>th</sup> January 2014

Dear Friends,

Delight to connect again with fellow alums, best wishes for all the success & prosperity, wellness and peace for you & your families!

Our Annual Alumni Meet - 2014 is happening four weeks earlier, we will be having many more alumni friends from overseas extending their annual holidays to join for camaraderie.

We have had another chapter added to our footprint in Bangalore in last year. The chapter offers a wide ranging professions converging for the launch. The batch span was from 1952 to 2012, viz. alum six decades apart, exhilarating experience indeed to see them mingle & juggle together. The alumni office was inaugurated at DTU Campus by the Vice Chancellor Prof. PB Sharma on 1st August 2014. The office at campus will give students free & easy access to the alumni network. Also it will help us in our endeavor for a closer & regular interaction with the students and opening a platform for them to seek guidance & support at all times.

Last year, the general body adapted new name for the association DCE-DTU Alumni Association. We have launched new portal for the association as [www.dcedtualumni.org](http://www.dcedtualumni.org). We have also taken up number new improvements to the portal which has become an ongoing initiative for this year also.

We expanded the working team with more people coming forward to volunteer for organising this year's annual meet, a special thanks to them.

I extend my special my gratitude to all of new volunteers and other members of the Organising Committee and Governing Council for their notable contributions as individuals, as well as a team.

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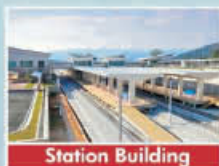


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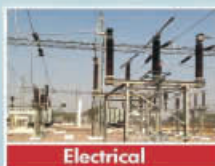
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## **MESSAGE**

Dear Friends.

I wish you and your family a very Happy New Year 2014. I also extend my sincere thanks to all the members of the DCE-DTU fraternity who despite their busy schedule in this cold weather are able to spare time to attend this August gathering.

Most enthusiastically we have put in our efforts to organise DCE-DTU annual alumni meet on 11th Jan 2014 at Air force Auditorium, Subroto Park, New Delhi with a humble mission of enlarging the circumference of this annual gathering.

First of all i would like to convey my gratitude to all my seniors in the association for their co-operation, support and good-will extended to me during the past years which immensely contributed in proper discharge of my charter of duties. Jointly, I resolve to strive further to achieve our mission for higher level of performance.

The Alumni Association is making steady progress in all spheres by establishing our next Alumni Chapter at Bangalore in April 2013 after Mumbai and Haridwar. Bangalore is our 3rd Chapter and many more are planned including US chapter in the future.

"If almighty spares me a moment to go back to my cherishing college days I would definitely grab it" Unfortunately our registered membership base is still very low and to increase this we have launched various plans but this will not be achieved without your support and effort to ask your batch mates to join the association and make it a stronger body.

Despite the various social and business networking sites available, where we can meet virtually; this annual meet bring with it a reason to spare an evening for a beautiful flashback of our lives. I have seen that everyone attending this meet goes back in time during that evening. Towards the end of this evening we say adieu to each other and go back with ornate memories to be enjoyed till we meet next time.

Finally, I give my compliments to the whole team of Alumni Association and all others who directly or indirectly contributed in making such an invigorating gathering and wish every one a very Happy and Prosperous year 2014.



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## Distinguished Faculty

### Prof. Asok Bhattacharyya

Prof. Asok Bhattacharyya joined DCE as a lecturer in Electronics & Telecommunication Engg in 1974 and was promoted to the post of Assistant Professor and subsequently as Professor in 1985 and 1993. He was HOD from 1997 to 2007. He became the Principal of DCE on 1st Jan 2008. During his tenure of Principal of DCE, he started Delhi Government EDUSAT centre at DCE and contributed to formalize the project of Broadband on Power Lines and for the development of VARUN, the underwater automation project. He was Director of DCE from April 2008 to Aug 2008. He started the M. Tech curriculum of VLSI & Embedded System Design and Microwave & optical Communication under Delhi Technological University. He has guided more than 60 M.Tech theses and Ph.D. theses. Prof. Bhattacharyya was HOD in Faculty of Technology of Delhi University for Electronics & Communication Engg from 2000 to 2003.

He holds Bachelor, Masters and Ph.D. degrees in Electronics & Telecommunication Engg. He is a Fellow of IETE, Life member of ISTE and IEEE. He introduced the Student Professional Awareness Conference (SPAC) in 1997 and subsequently Student Professional Awareness Venture (S-PAVE). He started the "TIFAC Center of Relevance and Excellence in Fiber Optics and Optical Communication" under Mission REACH program of Technology Vision 2020, Govt. of India with Prof. R.K. Sinha of Applied Physics.

During his tenure of Professorship he conducted short term courses on Microprocessor and its applications, Advanced Analog & Digital Circuits & System Design, workshop on Digital Signal Processing, workshop on WCDMA by Qualcomm, USA & India, workshop on Java by Sun Java etc. He organized video conferences on LINUX with Mr. Richard Stallman, Founder of LINUX and on Flash Memory and Pentium Chip Design with Mr. Vinod Dham, Founder of Pentium chip, respectively, in conferences of IEEE student branch.

Prof. Asok Bhattacharyya did research work of repute in Digital Electronics & System Design, Analog Electronics & Analog Filter Design, and also on Medical Image Processing in MRI Brain Images and on Camera Sensor Networks in the area of Computer Vision. He published the following research monographs in International Level.

1. "Checking Experiments in Sequential Machines", published in 1989.
2. "Magnetic Resonance Image Analysis through Soft-Computing published in 2009.
3. "Smart Camera Networks", published in 2012
4. International Book Chapter on "Camera Placement for Surveillance Applications", Published in 2011 in Book entitled "Video Surveillance".

Besides his academic interest he has been motivated in Indian Philosophy and cultivating his spiritual quest on the grace of his spiritual guru Dr. Lt. Mahanambro Bramhachari, a renowned spiritual personality of Bengal. He always advised his students to think in the following manner:

*"Buddhi connotes the ripening of knowledge into wisdom. In the present society, the focus of value is on money; but Vedanta attributes all its focus to mankind. When a society overvalues money, it also devalues mankind. The Yoga (the touch of divine) alone can save us from the danger ahead."*



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## Distinguished Faculty

**Prof. R. K. Selot**

Dr. R. K. Selot did his B.Sc. from Nagpur University in 1954 and B.E.(Hons) from Jabalpur University in 1958. He completed his Ph.D. from University of Strathclyde (U.K.) in 1967. He was awarded Dr. James Mc Kenzie Prize for the research carried out during the doctoral programme. He did his specialization in Civil Engineering.

Dr. R. K. Selot taught as a Lecturer in Civil engineering at Govt. College of Engg. & Tech. Raipur, M.P. from 1958 to 1963. He served as the Deputy Director of Directorate of Technical Education, M.P. from 1963 to 1967. He worked as a reader at Govt. Engineering College Jabalpur, M.P. from 1967 to 1977. He was appointed as the Honorary Secretary of The Institution of Engineers, M.P. Centre, Jabalpur from 1972 to 1976. He was a Council member of Council of The Institution of Engineers (India) from 1974 to 1976. He started working in DCE as Professor from 1977 to March 91. He became the Principal of Madhav Inst. of Tech. & Science, Gwalior from April 1991 to June 1995. He became the Principal of Institute of Technology and Management, Gurgaon from Nov. 1996 to Nov. 1997.

He has presented two papers in International Conferences at Coimbatore and Roorkee. He has guided research at the Masters level in areas such as Economic Floor systems, Chemical testing of Hardened cement concrete, utilization of Fly ash in concrete. He has organised seven short term courses ranging from 5 to 45 days on topics such as Management decisions and Operation Research, Electronic Instrumentation, Numerical Techniques and Compute Programming and Digital Electronics. As organising Secretary, he organised a seminar on "Mineral Resources of M.P. - Their Exploration and Exploitation". This seminar was enthusiastically participated by organisations such as Geological Survey of India, Indian Bureau of Mines, Hindustan Coppers Ltd., Bharat Aluminium Co. Ltd., M.P.E.B. etc.

He has considerable experience in teaching the following courses such as Theory of structures, design of steel structures, design of pre-stressed concrete structures and design of reinforced concrete structures. He has acted as a member of various Academic Bodies of several universities. He has acted as the Head of Civil Engineering and Dean Faculty of Technology of the Delhi University. He has been a subject expert for selection of Engineers/Faculty/Scientists for organisations such as U.P.S.C., D.R.D.DO., N.I.D.C., Delhi University, Jiwaji University. He has participated in the workshop for curriculum development at I.I.T. Delhi and undergone short term courses, two at I.I.T. Kharagpur and one at Khadakvasla Research Station. He has participated in the U.P.S.C. work-shop for the preparation of Question Bank for Indian Engineering Services Examination.

He has delivered ERCO sponsored lecture entitled "The effect of structures on environment" at Institution of Engineers at Bhopal in April 1988. He has conducted enquiry on the collapse of four coal bunkers at Power station, Sarni, M.P. on behest of Industrial Health & Security, Govt. of M.P.

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## Distinguished Faculty

**Prof. J. S. Brar**

Professor J. S. Brar completed his Bachelor Degree in Mechanical Engineering in 1968 from M. N. R. ENGG. College, Allahabad (Allahabad Univ.) and Master Degree in Mechanical Engineering from I. I. Sc., Bangalore in 1970. He obtained his Ph.D. Degree from I.I.T. Delhi in 1990.

Professor J. S. Brar joined Delhi College of Engineering as Lecturer in 1971, promoted to the post of assistant professor in 1986 and selected to the post of Professor in Mechanical Engg. in 1997.

Professor J. S. Brar performed several duties in DCE. He was the Warden, West Hostel at DCE (1992-1999), the Chairman of Purchase Committee, DCE (1996-1997) and Dean, Students' Welfare, DCE (1995-1999).

He worked as Head of Mechanical Engineering Department, DCE from Jan 2002 to Jul 2003, the Head of Mechanical Engineering Department under University of Delhi, from Jan 2003 till retirement and worked as Dean, Faculty of Technology, University of Delhi, from Jan 2003 till retirement.

He became a Fellow member of **The Institution of Engineers (India)** (IEI) in 2012.

He retired from DCE on 31<sup>st</sup> Oct. 2003.

He is currently serving as a Guest Faculty at several institutes including NSIT, Dwarka and NIT Delhi etc along with assignments from AICTE.

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## Distinguished Faculty

### **Prof. R. C. Sachdeva**

Professor R.C. Sachdeva joined Delhi College of Engineering in 1975 and served as a professor from 1985 to 2004. He became Head of Dept. of Mechanical Engineering for two tenures during this duration. He has also served as the Head of Mechanical Engineering of Faculty of Technology of Delhi University.

He completed his B.Sc. (Engg.)Mech. From TIET now Thapar University, Patiala in 1965.

He completed his M.Tech. from IIT, Kanpur in 1968 and Ph.D. from Liverpool University, U.K. in 1973. He is a Life Fellow of the Institution of Engineers.

He has supervised 3 Ph.D. and 20 M. Tech. theses. He has published 16 research papers in International, National journals and Conferences.

He has published a Text Book "Fundamentals of Engineering Heat and Mass Transfer"-International Edition (Publisher- New Age Science, U.K.)

Prof. Sachdeva has also been appointed as the Director of 4 Engineering Colleges in Delhi and Haryana. He was instrumental in completion of 25 undergraduate projects.

He was also a Member of Delhi University Court and Academic Council for several years.

He was appointed as the Course Director of the U.G.C. Advanced Level Course (four weeks' duration) on Optimal Design of Thermal Engg. Systems held at DCE in 1983.

Prof. Sachdeva has delivered Expert Lectures in several summer/winter Schools of AICTE. He was a member of many curriculum Development Committees/Selection Committees.

He has served as the Chairman of Central Purchase Committee, Central Time Table Committee, Admission Committees for B.E., B. Tech. and M.E. Admissions etc.

He was selected as the Vigilance Officer of DCE (Now Delhi Technological University) for 7 years.

He was also the Coordinator for CEE of Delhi University in 2004.

Currently Prof. Sachdeva is serving as a Distinguished Professor at SET, Sharda University, Greater Noida.



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## Distinguished Faculty

### **Mrs. Sushma Jain**

Mrs. Sushma Jain did her B.A in Mathematics during 1958-1960 from Punjab University. She obtained her Bachelor Degree of Teaching in 1960-1961 from Punjab University and completed her Master Degree in Mathematics during 1962-1964 from Delhi University.

She joined DCE as a Demonstrator in 1965 and was promoted to the post of Associate Lecturer in 1966. She subsequently served DCE as a lecturer from 1968 and retired from DCE in 2001.

Mrs. Jain served as an Assistant Professor in Applied Mathematics from August 2003-May 2006 in Maharaja Agrasen Institute of Technology, G.G.S.I.P University, Delhi. She worked as a Part Time Lecturer in Mathematics from January 2002 - April 2003 at the Indira Gandhi Institute of Technology, G.G.S.I.P University, Delhi.

Mrs. Sushma Jain has been teaching Computer Science to B.E. students and Mathematics to B.E., M.E. and M.Sc. students. She has been actively associated with the curriculum development for undergraduate courses at Dept. of Mathematics, Delhi College of Engineering. She has organized cultural and educational activities for students. She has been a member of Admission Committee, Library Committee and Proctorial Committee, DCE. She has set papers in Applied Mathematics for undergraduate student examinations, for G.G.S.I.P University and also for N.S.I.T. and D.C.E.

She has attended a Winter School on Computer Graphics organized by the Department of Mechanical Engineering, Delhi College of Engineering in December 1991. Mrs. Jain attended Summer Institute in Mathematics (Functional Analysis) for College Teachers organization, Faculty of Mathematics, University of Delhi in 1967 and 1974. She also attended Summer Institute in Operational Research for College Teachers organized by Faculty of Mathematics, University of Delhi in 1969. She attended and successfully completed a course of study in Fortran Programming (IBM II, Digital Computer) organized by the Department of Mathematics, Delhi College of Engineering in 1968.

Mrs. Sushma Jain has co-authored many books like:

- Computers for Beginners.
- BASIC for Beginners.
- Programming with COBOL.
- Computers for Everyone.
- Engineering Mathematics for A.M.I.E.
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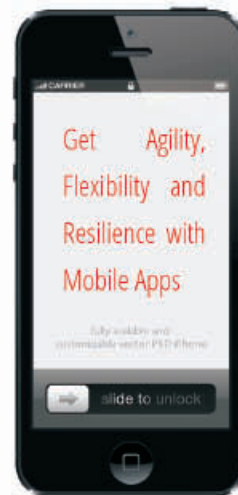
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## Distinguished Alumni

### **Shri Anil Kaushal**

Member (Technology), Telecom Commission

Shri Anil Kaushal is a 1975 alumnus of Delhi College of Engineering who completed his degree in Electrical (Electronics) Engineering with distinction and third rank in his discipline. The same year he qualified Engineering Service Examination and joined Indian Telecommunication Service (ITS). He achieved the rare distinction of becoming the Member of Telecom Commission (TC), the highest decision making body of Government in Telecom Sector. Presently he is working as Member (Technology) TC and ex-officio Secretary to the Government of India in Department of Telecommunication.

He is a Telecom Professional with an experience of about 37 years in Telecom, covering a full spectrum of services and disciplines. Due to his deep domain knowledge in various aspects of Telecom, like operation, maintenance, administration, standardization, R&D and manufacturing supervision, Spectrum management, licensing, Telecom security, International relations etc coupled with his managerial and leadership skills his contribution in policy making and development of sector has been very significant. He is the architect of the progressive pricing of Spectrum and the policy for boosting of manufacturing and R&D in Telecom.

As Member (Technology) he is Vice Chairman Steering Committee of C-DoT, the most prestigious organization in Telecom R&D in India. Wireless Planning and Co-ordination wing headed by Wireless Advisor to Government of India also report to him. Besides, licensing, International Relation, Telecom Engineering Centre (TEC), Security unit, License enforcement wing and its field units also reports to him through their respective unit/wing heads. Shri Anil Kaushal is known for brining fresh ideas and dramatically improving the performance of the organization wherever he worked. Because of this expertise he has been able to solve the complex issue of Spectrum allotment at the most difficult times in the country. He has represented India in various international forums, including International Telecommunication Union (ITU). He is widely travelled officer around the Globe for various kinds of Managerial/Technical/Commercial/Training assignments.

Shri Anil Kaushal is always knowledge thirsty. In spite of his busy schedule at senior level positions and the fact that higher qualification would not matter much in his career progression he completed his Master of Business Administration (MBA) degree with specialization in Finance. His contact details are: email: [kaushal.anil17@gmail.com](mailto:kaushal.anil17@gmail.com), mobile: +9868128118

# Amulya Dharohar

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## Distinguished Alumni

### **Mr. Surya Kant**

*President, North America, UK and Europe, TCS*

In a career spanning more than 30 years, Surya ("Sury") Kant has made a significant contribution to the growth of the global software industry and Tata Consultancy Services (TCS), now the world's second largest IT services, consulting and business solutions organization.

In his current role as President for North America, UK and Europe (a region that accounts for more than 75% of the company's global revenues), Sury is responsible for overseeing and strengthening customer relationships and revenues across TCS's largest markets, and plays a key role in growing business and expanding the company's range of technology and service offerings. Highlights of his longstanding and distinguished tenure at TCS include establishing the presence of the Indian software industry in Japan in 1987, leading UK operations in the '90s while recording substantial growth and visibility for the organization, and serving as the Head of Operations in NorthIndia until 2005. Furthermore, he was named in the list of top 25 consultants worldwide by Consulting Magazine on 2011.

TCS is globally known for its strong people practices, strongly supported by Sury, who initiated an Employee Satisfaction Survey in TCS several years ago that has since been recognized as a best practice across the Tata group. His efforts have significantly contributed to TCS being regularly ranked as the Best Employer in India and more recently winning several awards in North America in the HR areas of leadership development, employee satisfaction and diversity.

Sury is a member of several bodies connected with academic institutions, and a frequent speaker at industry conferences. He is also actively connected with various social causes, most notably playing a leading role in the US supporting STEM education and careers – particularly for women and minorities – through prominent partnerships with the likes of STEMConnector and US2020.

Sury received his Bachelor's degree in Electrical Engineering with a specialization in Electronics from Delhi College of Engineering in 1976, and his Master's degree in Electrical Engineering with a specialization in Computer Technology from IIT Delhi in 1978. On both occasions, he finished at top of his class. Sury also speaks several languages, including Japanese.

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# Annual Alumni Meet-2013

The Alumni Association Delhi College of Engineering organizes an annual alumni meet every year in the month of January /February. The previous Annual Meet was held on 9th February (Saturday), 2013. Shri RP Agrawal, Chairman Board of Management, DTU was the Chief Guest. A cultural program organized on this occasion was a great hit. The function was followed by an informal get-together and dinner. The meet was attended by a record gathering of our alumni and their families; faculty and distinguished guests.

As is the tradition, Distinguished Alumni Award, Distinguished Faculty Award and Meritorious Students Award were presented. Shri Sanjay Nayar, CEO, KKR India, DCE 1982 batch Mech. Engg., Shri OP Bhutani, Director (Engg., R&D), BHEL, DCE 1976 batch, Mech. Engg. and Shri I. J. Kapoor, Director (Commercial), NTPC Limited, DCE 1978 batch, Mech. Engg. were honored with distinguished Alumni Award at the hand of the Chief Guest. Prof. N.L Sachdeva, Prof. K.C.Palta and Prof. B.N. Mishra were also honoured with Distinguished Faculty Awards. From 2013 we have also instituted a Trailblazer Award for our Alumni who have achieved success in a short span of time after graduating from the College. Shri Amul Gabrani an 1983 batch of Mech. Engg. who began his career as an entrepreneur at the age of 30 and was able to build a an empire of Rs. 5000 cr by 2013, was selected for this year's Trailblazer award by the Chief Guest. On this occasion graduates of 1963 and 1988 batches were felicitated on the completing 50 and 25 years, since graduation, respectively. On this occasion a Souvenir and badge of DCE-DTU Alumni were also released by the Chief Guest. The Meritorious Students Award were given to Garima Lalwani (CSE), CV. Maitreyi (BT), Mihir Bhambri (ME), Nipun Jain (PI), Ashwini Mittal (CE), M. Bharani (Env.Engg.), Ashish Rastogi (Polymer), Anubha Gupta (ECE), Anantika Gupta (EE), Nitish Aggrawal (IT), Aseem Sayal (EEE), Ankit Madan (Auto), Arushi Arora (Engg. Physics) and Nupur Aggrawal (Software Eng.) by the President of the DCE-DTU Alumni Association based on their academic performance up to the sixth semester examinations. From the year 2013 we have also begun Meritorious Students Award for the M.Tech. students as well.



All this could become possible due to constant and untiring efforts of the organizing committee led by Shri Karnal Singh, President, Shri Sanjay Diwan, Organizing Chairman and Shri Dipti Mal, Organizing Secretary. The members of the Executive committee and Organizing committee who were constantly associated in making this meet a grand success are:-

- Shri N. K. Sharma
- Shri Bir Singh
- Shri Rajeev Agarwal
- Shri Suresh Raheja
- Shri Sunil Saxena
- Shri Munish Bassi
- Mrs. Renu Gupta
- Mr. Sant Bhushan Lal
- Mr. Arun K. Aggarwal
- Mr. Arun Gupta
- Mr. Sanjay Gupta
- Shri Praveen Bhargava
- Shri S. M. Mahajan
- Shri Muktesh Chander
- Shri Shiv K. Bhardwaj
- Shri Sunil Gautam
- Shri. Akhil Choudhary
- Mrs. Anju Tandon
- Mr. S. K. Vij, Mr Varun Tangri
- Mr. Sunil Bains
- Mr. Rajiv Bhatnagar
- Mr. Surendra Kumar

Some of the photographs of the meet are given under "Glimpses of Alumni Meet-2013" and also at [www.dcedtualumni.org](http://www.dcedtualumni.org).



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# DCE-DTU Alumni Association

## Executive & Organising Committees



**Standing (L to R) Arun Gupta, Varun Tangri, Muktesh Chander, Arun Aggarwal, Sanjay Gupta, Renu Gupta, Anju Tandon, Sunil Bains, Sunil Saxena, Bir Singh, Sunil Gautam**

**Sitting (L to R) Sant Bhushan Lal, S. K. Vij, Sagar Maji, Sanjay Diwan, Karnal Singh, N. K. Sharma, S. M. Mahajan, Dipti-Mal**

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### **&**

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# Meritorious Students Award - 2014

## Bachelor in Technology (% upto 6<sup>th</sup> Semester)



**MOHIT GUPTA**  
Automobile Engg  
2K10/AE/036  
78.90%

**NIKHIL GOEL**  
Enviornental Engg  
2K10/EN/019  
77.01%



**MUNISH CHHABRA**  
Bio Technology  
2K10/BT/08  
81.33%

**VIDISHA JAIN**  
Engineering Physics  
2K10/EP/54  
78.9 %



**TANYA GUPTA**  
Computer Science  
and Engg.  
2K10/CO/105  
86.51%

**POTHAPRAGADA MALINI**  
Information Technology  
2K10/IT/042  
82.49%



**VIKAS BURDAK**  
Civil Engineering  
2K10/CE/082  
80.6%

**ABHISHEK GUPTA**  
Mechanical Engineering  
2K10/ME/006  
84%



**PRITPAL SINGH**  
Electronics &  
Communication Engg.  
2K10/EC/101  
83.88%

**SIDDHANT ISSAR**  
Productin &  
Industrial Engg.  
2K10/PE/29  
81.45%



**AKSHAY KUMAR**  
Electrial & Electronics  
Engg.  
2K10/EL/009  
89.53 %

**JIGYASU JUNEJA**  
Polymer science &  
Chemical Engg.  
2K10/PS/017  
78.20%



**MITESHWAR SINGH**  
Electrical Engineering  
2K10/EE/054  
82.81%

**NANCY AGGARWAL**  
Software Engineering  
2K10/SE/039  
85.28%



# DCE-DTU Alumni Association Chapters



With an objective of making the activities of the Alumni Association widely spread over width & breadth of the country, three chapters have so far been established - Haridwar Chapter in 2009; Mumbai Chapter and Bengaluru Chapter in 2013.

This move has enabled the Association to provide an additional platform to the alumnis working/settled in these area and around to meet & socialise more frequently and strengthen the bond with DCEites.

All these chapters have been empowered with their own Committees to organise activities and meets. To keep the chapter committees continuously connected and networked with the main Executive Council at the national level, Chairman/Secretary of each of the Chapter Committee is an ex-officio member of the Executive Council

It is the endeavor of the Alumni Association Council to strengthen these Chapters by encouraging more & more local events . It is also proposed to open a few more chapters having a substantial concentration of DCEites





# Meritorious Students Award - 2014

## Masters in Technology (% upto 2<sup>nd</sup> Semester)



**NARENDRA MOHAN MISHRA**

Electronics (MOC)  
2K12/MOC/10  
88.70



**ARPAN JAIN**  
2K12/CSE/05  
Computers (CSE)  
86.00



**VARSHA BISHT**

Civil (Hydraulics)  
2K12/HFE/10  
79.70



**MD NADIM SHAMS**

Mechanical (Thermal)  
2K12/THR/15  
78.35



**SUBRAMANIAN S**

Electrical (C&I)  
2K12/C&I/022  
81.90



**MONIKA SAMANT**

Biotechnology  
2K12/BIO/15  
90.30

# Flute: The Divine Instrument

## Article

Flute is an instrument belonging to woodwind family. It is called '*Bansuri*' or '*Murali*' in Hindi. In South India it is called '*Venu*'. The word '*Bansuri*' is made up of two words. '*Bans*' means bamboo and '*sur*' means melody. *Bansuri* is one of the three ancient musical instruments mentioned in Indian mythology, the other two being '*Veena*' and '*Mridangam*'. *Bansuri* is a transverse (side-blown) instrument. There are several versions about the origin of flute. There are archeological evidences that flute was played as early as 35,000 years ago. They were made of animal bones. In Henan Province of China, complete and playable flutes have been excavated, which are believed to be 9000 years old. *Bansuri* is mentioned in the *Vedas* and is also depicted in the 2000 years old ancient Buddhist art. Various types of flute have been a part of our folk music. Two of them deserve a special mention. *Algoza* is made of two flutes but sometimes three or four flutes are also used. While one flute continuously plays a drone, the other is used for playing different notes. This instrument requires tremendous breath control and stamina as it has to be played continuously without a break. It is very popular among folk music in parts of Punjab, Haryana and Rajasthan. *Been* (also called *pungi*) is an instrument used by snake charmers. It has two or three flutes. One is used for playing various notes and the remaining play continuous tone just like *algoza*. Its special feature is that it is made up of bottle gourd shell and bamboo flutes bonded together. The hollow of bottle gourd shell acts like air reservoir and sends the air into the reeds.



Flute is an intrinsic part of Indian religion, culture and mythology. In India there can be no mention of flute without its association with Lord Krishna, the cosmic musician, who is often depicted playing flute as an instrument of divine seduction. For this reason Krishna is also called as Muralidhar, Muralimanohar or Venugopal. Melodies from his intoxicating flute could not only cast a spell on Radha and *gopis* but also on all living creatures. According to verse 16.140 of Sri Prabhupada's Chaitanya-Charitamrta, *Gopis* are wondering as to what auspicious activities the flute must have performed to enjoy the nectar of Krishna's lips independently and leave only a taste for them, for whom that nectar is actually meant! *Gopis* found flute melodies irresistible and forgot to carry out their daily chores. In the Bhagwata Purana there is a whole chapter about Krishna playing his transcendental *bansuri* in Vrindavan. It is said that after Krishna left Gokul for Mathura he left his flute with his love Radha, and never played it again.

According to flute acoustics, flute is an open organ pipe. The air column inside a flute vibrates as the player blows into it. Both the ends act as nodes thus producing fundamental frequency =  $V/2L$ , where  $V$  is the velocity of sound in air and  $L$  is the length of the air column. This length is varied by the player by closing and opening the holes on flute thus producing various notes. Flute is relatively very simple in design usually having six to seven holes on one side and another hole at the other end which acts as

mouth piece. With only six holes, a flute is capable of producing 22 notes in two octaves. Half notes are played by partially opening a hole. Flute was traditionally a folk instrument and the credit of raising it to a concert level independent instrument goes to renowned flute player Shri Pannalal Ghosh. He introduced 32 inch flute with seventh hole in it which not only extended its range but also allowed accurate rendition of several *ragas*. He combined the vocal and string instrument styles (*tantkari*) into flute. He proved that *gamak*, *meend*, *gat*, *jhala* and *alap* etc. could also be played on flute. His unforgettable flute pieces in songs '*Main piya teri tu maane ya na maane*', from film Basant Bahar, '*Mohe panghat pe nandlal*' from film Mughal-e-Azam and '*Ek bangla bane nyara*' from film President are still remembered. Pandit Hariprasad Chaurasia, Pandit Ronu Majumdar, Pandit Vijayraghav Rao and several other classical flute players have given flute a respectable place in Indian music. In recent times the Bombay movie theme tune on flute, played by Naveen Kumar, has again brought its melody to film industry.

I was attracted to flute when I was just seven years of age. I would follow street flute vendors as they walked and played flute. I found it easy to play and carry. It is cheap as compared to other instruments and is very

melodious. There are no moving parts and it is easy to maintain. It is ready to play as there is no tuning process involved. Krishna's flute was called *Sarala* which means simple. By the time I was in ninth standard, I was able to copy film songs on flute after listening, without any formal training and without even understanding the notes. This is playing by ears just like the great singer Kishore Kumar, who could sing a song only by listening without any formal training in music.

In spite of several advantages of flute, I find the young generation attracted more towards guitar and other modern instruments. Most of the time in movies flute is played by heroes who are shown as poor, introvert, timid, rustic and from rural background. This is evident in movies such as *Shree 420*, *Geet* etc. (*Hero* being an exception). Very few want to learn flute today. I some time take pity on some of my friends who want me to play on flute songs such as '*Sheela ki jawani*'. I wonder how a flute can show such *jawani*. I am pained by such requests but politely refuse them citing various excuses. One needs the attention and dedication of *gopis* to understand the magic of flute. It is truly a divine instrument which can never be lost in the cacophony of modern synthesized music. *Bansuri* is eternal because Krishna has kissed it.

**Muktesh Chander IPS  
1983 ECE**



## Trip to Masaimara

## Article

"The journey not the arrival matters" T.S. Eliot wrote. Evidently. The great poet never had the opportunity to arrive on an east african grass airstrip in a small plane as warthogs scurry out of the way, massive elephants and towering giraffe graze nearby, and the battle-scarred lion dozes at the end of the runway.

Masai mara is a game reserve located in Kenya and is a continuation of the more well known Serengeti in Tanzania. While the serengeti has flat plains, the Mara is rolling hills and one of the most popular parks for safari holidays in Kenya.

A fascinating time to visit Masai Mara is from July to September and I visited in the first week of September, when I witnessed the annual Wildebeest migration. It is unbelievable to see thousands of them walking in a line (popularly called the "Indian line") as they make their way to Tanzania.

We left Nairobi early upon arrival and made a stop on the way to view the magnificent Great Rift Valley, The dirt roads to get to Masai Mara were so bumpy that eventually I hoped that the driving be over soon but the scenery was lovely and the head banging against window started to get old, We reached Mara just in time for an evening game drive.

If you've never been on a safari, its difficult to describe the feeling. If you have been then you know the excitement of seeing the animals out in the wild, simply incredible, and it was not just a Zebra here and Giraffe there in a short span of time we witnessed hundreds of animals, I was happy taking tons of photographs.

September is Winter in Kenya and it gets cold at night, this is where I am going to point out that Africa is not blazing hot most of the time.

At least not the plains of Mara as it lies just about on the equator.

We left the resort before dawn to gear up for a full day safari in Mara. The sunrise was magnificent. We saw dozens of Zebras, herds of elephants, towers of Giraffes, prides of Lions, a bloat of hippos and different species of Antelope and we saw our fair share of Vultures as well.

In the afternoon we went searching for Cheetahs, they proved difficult to find, our driver was in communication with other drivers on the radio the whole time and after an hour or so of searching we finally came across two of them, they are much faster than I imagined.

Another cold evening at the resort and sumptuous Indian dinner, it was time again for a morning game drive, this time we were in search for a kill, although we did not see one in action we arrived on scene just after a mother lion had killed a baby Zebra, she dragged the Zebra to her cubs, it was an experience to see this out in nature. One of the most thrilling incidents happend when we came across a mating pair of lions, we stood parked along with a few others who were witnessing this wild event as the lion followed the lioness at close distance. We remained parked where we were as the pair kept walking around our jeeps, totally awestruck I was filming the spectacle when i did not realise that the lions came really close to the jeep and the male lion did a mock charge towards me sitting in the front seat and i had to lean back to save myself from the roaring lion. It surely was a bone chilling experience.

We wrapped up our morning game drive and headed to visit a Masai village near by.



We only had a short drive until we were at the Masai village, we paid an entry fee which meant a group of elders took us on a tour and explained the Masai life style. The chifs son headed up our tour and started with a background on their heritage, the Masai people are seminomadic and move about every nine years.

After we entered the village, the men showed

us a traditional dance followed by a jumping contest, traditionally this dance is called adumu usually performed during a coming of age ceremony. Visiting the Masai village was a cultural delight.

My trip though short indeed was a mesmerizing experience in itself which was silent, magical, it was AFRICA.....

**Suresh Raheja**  
**1973 Mech.**

# Stamps: A Glimpse into the World

Philately is the name given to study of stamps and postal history. Philatelists are people who study stamps. The word 'philatelist' come from two Greek words, 'Philos', meaning 'loving' and 'atelos', meaning 'free of tax, or paid'. Stamps are the signs that the postage or tax, has been paid.

The hobby of collecting stamps is called the king of all hobbies. Philately is a delightful hobby that sharpens and satisfies one's aesthetic tastes. Stamp collection is very educative and informative. While interacting



*Penny Black issued in Great Britain on May 6, 1840*

with the world of stamps, one gets to know interesting details of politics, history,

prominent personalities, national and international events, geography, the capitals of the countries, the language spoken, flora and fauna, agriculture, science, monuments, soldiers, warriors, scientists, arms and ammunition, modes of transport etc. This process of learning becomes more delightful through visual and brief write-ups. In addition, philately cultivates a meticulous



and focused attention to detail. It also helps in making friends across boundaries and age-barriers.

The world's first adhesive postage stamp, the Penny Black was issued in Great Britain on May 6, 1840. The Penny Black was engraved with the profile of Queen Victoria's head, which remained on all British stamps for the next sixty years. Rowland Hill created the first

## Article

stamp. It heralded the arrival of a new era in the history of communication.

On 1st July 1852, India became the first country in Asia and the 10th country in world to issue postage stamps, issued by the province of Scinde (a part of India under British rule), by Sir Bartle Frere, then the Governor of Scinde. The shape was circular, with SCINDE DISTRICT DAWK around the rim, leading the common name Scinde Dawk. This was intended to use Scinde province only. The colour of the first stamps were red, white and blue and the denomination was 1/2 anna. This was also among the first circular stamps of the world.

The ScindeDawk stamps were first used on 1st July 1852 and were suppressed on 30th September 1854 and the remainder were ordered to be destroyed on October 1854.

After independence a Stamp was issued during Asiana '77, First Asian International Philatelic Exhibition, Bangalore, India, depicting the Scinde Dawk.



Scinde Dawk - White



Scinde Dawk - Blue



Scinde Dawk - Red

While the first India Postage Stamps issued in 1854 bore the inscription 'India Postage', the inscription was changed in the same year to 'East India Postage'. This was changed from 1882 to 'India Postage' and continued till 1962.

From November, 1962, a new caption 'INDIA' was introduced replacing the 'India Postage'.

The first stamps valid for postage throughout India were placed on sale in October 1854 with four values: 1/2 anna, 1 anna, 2 annas, and 4 annas

From the beginning of British Imperialist Rule, when the Queen Victoria stamps were issued in 1854, a portrait of British Monarch had figured in Indian Stamp Designs. This came to an end with India gaining independence on 15th August, 1947.

The first independence stamps, issued in 1947, were three in number. They depicted the Ashoka Pillar, (National Emblem of India) the Indian National Flag and an Aircraft. Since then India has issued more than 3000 Stamps.

Thematic collecting (collection on the basis of a particular theme or a topic) improves the educational values and gives an incentive to this hobby.

As a creative way of expressing my interest in stamps, I have designed albums of stamps on the themes "Children's Day" and "Mount Everest".



HALF ANNA



ONE ANNA



TWO ANNA



FOUR ANNA



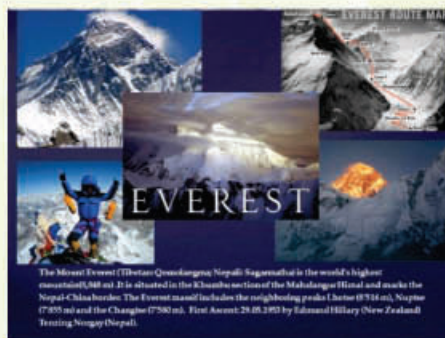
National Flag



Douglas DC 4



Ashokan Capital



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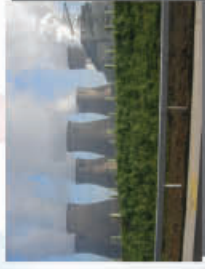
# Every performance creates a benchmark for the next

Since its inception REC has been showing outstanding performance. Year after year the corporation has surpassed its earlier achievements and has been establishing new records, only to break them in the succeeding year.



## Financial Performance for the Quarter ended 30.09.2013

Particulars	Amount	Increase
• Net Interest Income	₹ 3,413 Crore	Up 40%
• Loan Assets	₹ 1,38,475 Crore	Up 24%
• PAT	₹ 2,264 Crore	Up 24%
• EPS	₹ 22.93	Up 24%
• Net Worth	₹ 18,939 Crore	Up 16%



## FUNDING POWER PROJECTS PAN INDIA



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# Glimpses of Alumni Meet-2013



# Glimpses of Alumni Meet-2013



# Glimpses of Alumni Meet-2013



# Glimpses of Alumni Meet-2013



**Glimpses of Alumni Meet-2013**



# Glimpses of Alumni Meet-2013





# Glimpses of Alumni Meet-2013



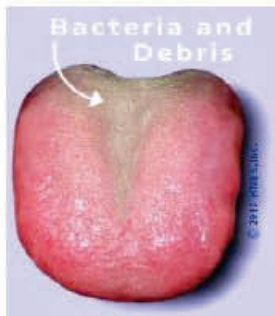
# Halitosis : A Social Stigma



**Halitosis** means bad breath: a symptom where an unpleasant odour is present on the exhaled breath.

- **Bad breath** can negatively impact your life, as well as those around you.
- 20% of population suffer from halitosis to a certain degree.
- 3<sup>rd</sup> most common reason for patients to seek dental care following tooth decay and periodontal disease (gum disease).
- **Pseudo halitosis/Halitophobia** : People think they suffer from bad breath but in reality they don't.
- Main culprit is bacteria . Over 600 different types of bacteria are found in our mouth which breakdown proteins and produce **volatile sulfur compounds** like **hydrogensulfide** and **methyl mercaptan** which produce an unpleasant odour.

Most of the sources of bacteria are present inside the mouth



Back of the tongue



Pockets created by gum disease between teeth & gums



Dental caries



Oral Ulceration

Saliva contains antibacterial substances which kill bacteria. Factors which lead to decreased saliva production increase number of bacteria in our mouth.



Stress



Drugs\*



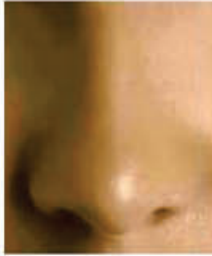
Mouth Breathing



Fasting

\*Antihypertensives, Antidepressants, Antihistamines etc.

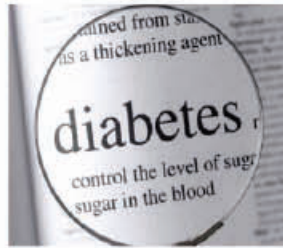
**Bad breath can also be a symptom of underlying systemic infection**



Chronic sinusitis



Acidity



Diabetes



Liver disease

**Ways to combat Halitosis**



Low carb high protein diet/Starving/Dieting forces body to use fat as source of energy which leads to production of ketones which produce an unpleasant smell

Avoid chewing mints as they provide temporary effect and act as substrate(food) for bacteria. Use fresh mint, basil or a drug called Zytex.

Rinse after every meal/tea/coffee



Regular brushing & flossing  
Use of mouthwash



Tongue scraper more effective than toothbrush



Regular dental check up twice a year



Drink water frequently to prevent bacterial build up



Eat food rich in fiber including citrus fruits containing Vit. C which kill bacteria naturally



Green Tea: antibacterial properties



Mr. Sanjay Gupta (1981) / Dr. Nandita Gupta



**Glimpses of Alumni Meet-2013**



Glimpses of Alumni Meet-2013



# Glimpses of Alumni Meet-2013



# Glimpses of Alumni Meet-2013



**Glimpses of Alumni Meet-2013**





# Glimpses of Alumni Meet-2013



# Glimpses of Alumni Meet-2013



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District Metered Area

Drainage Systems

Water Harvesting

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Fire Supression Works

Electrical & Mechanical Works

Boring of Deep Tube Wells & Hand Pumps

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**Glimpses of Alumni Meet-2013**



# Glimpses of Alumni Meet-2013



## **BENEFITS FROM ASSOCIATING WITH American Society for Civil Engineers : ASCE**

([www.asce.org](http://www.asce.org))

## **Article**

Basic education at our DP/DCE/DTU Alma Mater, has been a privilege for us all, giving us fundamentals, analytical capabilities, exposure etc. and thus preparing us for the World. Over the years since, capability building through exposure to good practices, solutions in challenging environment has been a constant endeavour too. However education through wider exposure, experience, networking, is a life time necessity. Being a part of ASCE can be quite rewarding.

ASCE, the oldest (since 1852) Civil Engineering Association in the World with 140,000+ Members, reflects the real-world dynamism and diversity of today's expansive Civil Engineering landscape. Its members represent all of areas of discipline and specialisation and the organisations of individuals, mid-size and global corporations as well as public sector agencies and 100% of US accredited colleges and universities. It embraces the role of enabling each member to solve problems and create solutions that improve quality of life and make the world more sustainable. It combines value with vision to offer benefits, resources and opportunities to its Members (some are listed below)

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## An amazing journey called Entrepreneurship

## Article

**M**y first name is not *Narayan*! It isn't spelled *Bill* instead. And I don't look like *Steve* either! But there is something common in all three of us. Or for that matter between all those strange species of *Homo sapiens* who decide to take the less travelled route of earning their livelihoods. Yes! We are called *Entrepreneurs*.

Being an entrepreneur is a curse in India. Certainly it is! Until you become a hot-shot businessman with your company's valuation reaching a few hundred crores nobody recognizes the pain you took to reach to that level. If you are married your family gets ruined and in case you are not forget about getting married during your early days. That's the reason why most entrepreneurs end up doing a job within a year of starting up! It's a risky thing, riskier than jumping off the cliff because when you jump into entrepreneurship, you don't jump alone. At least not in India!

Yet there is nothing more exciting than



becoming an entrepreneur. No one can imagine the level of insane stages an entrepreneur goes through in his/her life. And

I am more specifically talking about the bootstrapped businesses here. It will still be easier to scale-up your already existing family business but starting from scratch is a different ballgame altogether. Every day comes up with new and unprecedented challenges. Every new thing you attempt is moreover driven by your gut feeling, which in most cases is against the general perception of the people. That's the reason why entrepreneurs don't fit into that obvious structure of business methodology and administration. They don't follow the rule books. They make their own!

There is no right time to become an entrepreneur. Also there is no specific background required to be the one. All you need is a dream and a passion to follow that dream. No one is a born entrepreneur. It is a process of cultivating a thought which you believe can impact millions of lives out there. I would therefore like to urge all budding entrepreneurs to take that plunge in life. If you win, you rule the world. If you lose, you become wiser! Industry will accept you with open arms even if you fail to pursue what you loved doing the most. At least you would know what should *NOT* to be done in order to succeed. And that is more precious than knowing what to do.

Don't be scared. Don't let your fears overpower you. Don't let anyone point a finger at you and say you can't do it. Follow your Dream! Follow your Passion! Be an Entrepreneur!

**VarunTangri (2009 batch)**  
**Co-Founder, Tokkri.com**

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# My Mantras of Nurturing Ambition

-by Ishha Nagrath

## Article



I often wonder what I want to do with my life. What kind of value I want to bring to my work, my family and more importantly to myself.

I am quite sure that I am not alone in this journey. We all are either working towards something or figuring out a reason to wake up every morning. We all have one goal that keeps us going. After all, why else would all of us be here?

I found myself wondering about what keeps me going? How do I constantly work towards realizing my dreams?

Here is what I found: **INURTURE AMBITION**

Now, I am aware of the negative connotation around the word 'ambition'. So to clarify- No, I am not talking about greed, workaholics or any other dirty words. I am none of those.... I can actually bet that I spend more time sleeping than any of you! (OK, hope my bosses are not reading this.)

Anyhow, I am merely talking about reaching out and grabbing what we want from our life. I think that regardless of what we want to do, we need ambition to accomplish it. Life does not come and reward us with whatever we want. We have to work towards accomplishing our goals-little by little.

Being ambitious drives us towards a fulfilling career as much as it drives our personal well-being. More opportunities present themselves, more goals are met and more dreams become realities. And then we get to dream a little more. 😊

So we need to admit that we are all ambitious and we want the best for ourselves. We are all capable of doing remarkable things; we all can stand out with our own unique qualities.

Want to know the best part about nurturing ambition?

All of us have our own differentiated ambitions. They are unique and tailored around what each of us want from our lives. Our ambitions are driven

by our thinking alone.

Here are **my mantras of nurturing ambition**:

- 1. Constantly Challenge Yourself:** Challenging yourself lets you discover hidden talents or capabilities. There is absolutely no limit to the amount of information that you can find about yourself. You get to know your limits and explore new interests. And off course, you nurture your ambition!
- 2. Become Your Own Champion:** "There is nothing in a caterpillar that tells you it's going to be a butterfly". Building a system of self sufficiency is great. After all, you are your best advocate.
- 3. Constantly learn and grow:** To be innovative, in service of ambition, we need to revert back to our creative child ego-state.
- 4. Don't do what you love? Then, love what you do:** Find pride in being part of a project, even if your contribution seems to be small or your name is not on the front page of the final report. Tom Peters: "There are no small projects. In every little form or procedure, in every little problem there usually lurks a big project"
- 5. Never Give Up. Or Not. :** You never, ever, ever, ever give up on your story (your passion, your pursuit). But as you go about bringing your story to life, some things might not work. You might try something, thinking it's going to get you closer to your vision, and not get the results. You might find yourself further away from your vision when you're done. And if that's the case, bag it. Immediately. Try something else. Don't let anybody tell you otherwise
- 6. It's not about money! :** It's important, but never worthy of topping your list.

It's great to be ambitious. 😊

**About Ishha:** *Ishha is an alumna of DTU and currently working as a Design Architect in Accenture. She is a learning and development enthusiast and an avid writer. You could reach her at: [ishha.nagrath@gmail.com](mailto:ishha.nagrath@gmail.com).*

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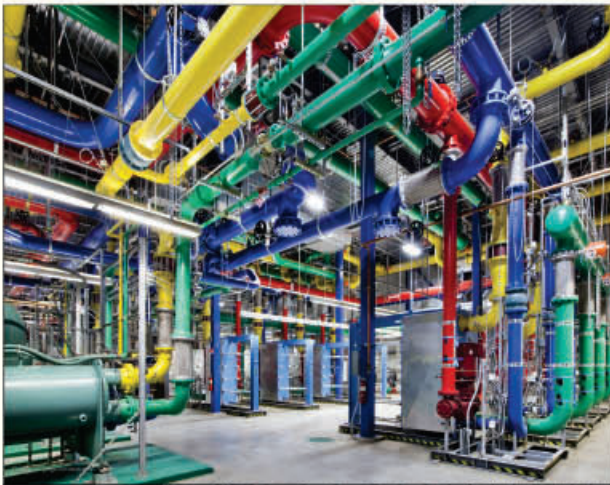




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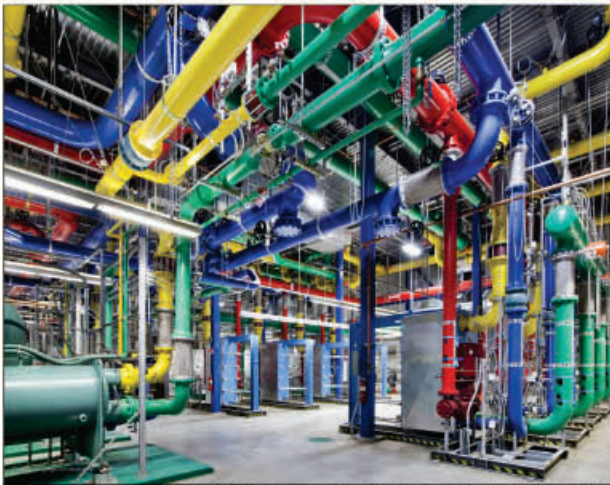
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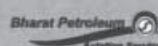
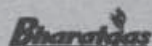
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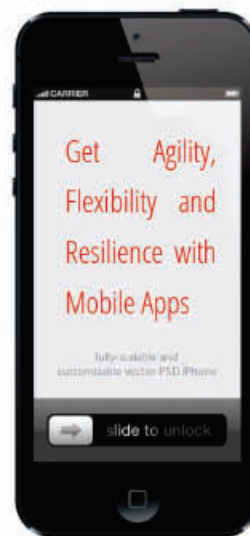
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