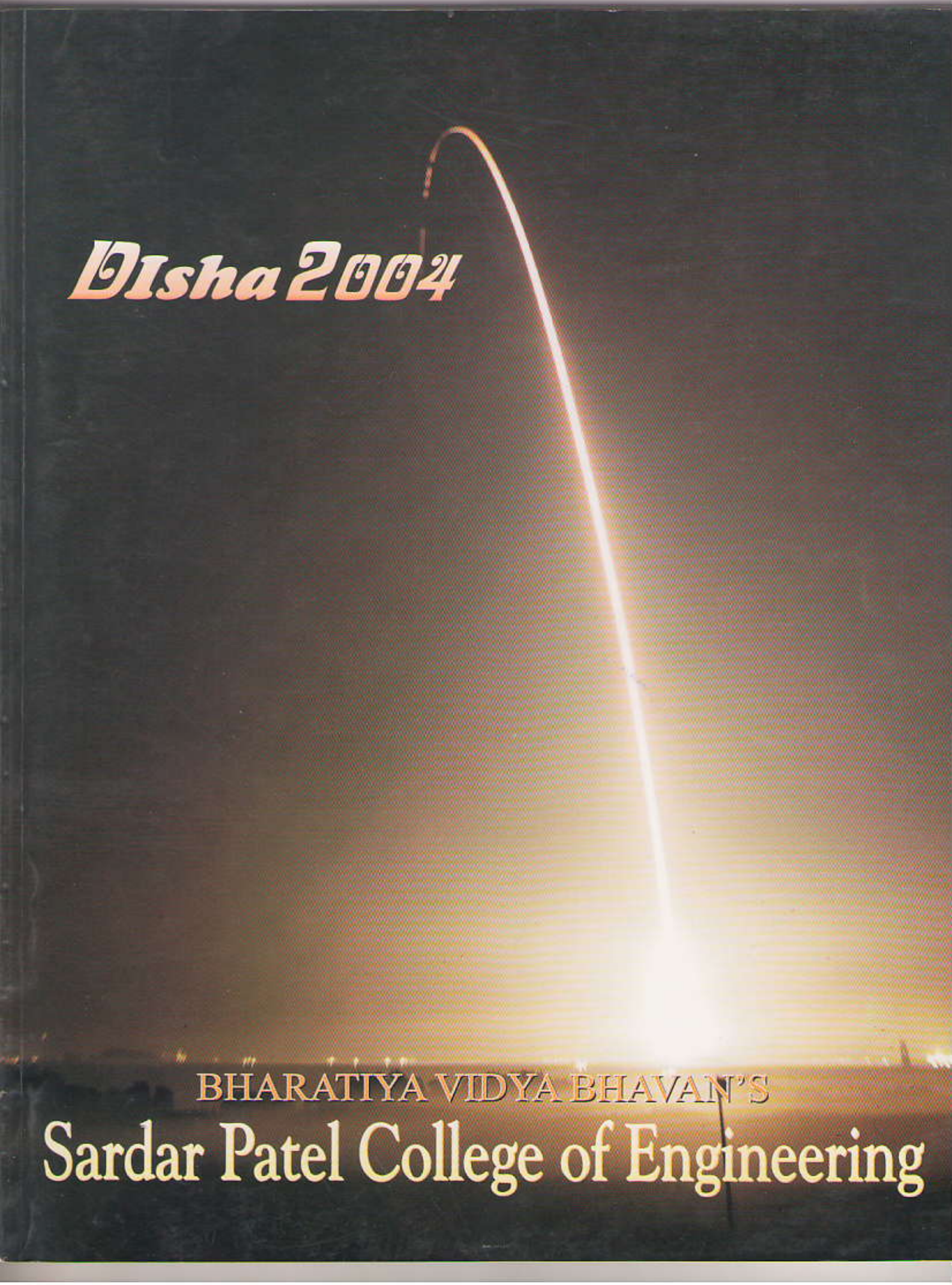
Disha 2004



BHARATIYA VIDYA BHAVAN'S

Sardar Patel College of Engineering

Shri Sardar Vallabhbhai Patel



The Ironman of India

BHARATIYA VIDYA BHAVAN'S

SARDAR PATEL COLLEGE OF ENGINEERING

ANDHERI (W), MUMBAI

DISHA

(SARJANIKA)

ANNUAL ISSUE
2003 - 2004

"Education would fail ignominiously
in its objective, if it manufactures only a robot
and called him an economic man stressing
the objective economic and forgetting
the substantive man. A university cannot
afford to ignore the cultural aspects of education
whatever studies it specializes in.
Science is a means, not an end, Whereas culture
is an end in itself. Even though you may
ultimately become a scientist, a doctor,
or an engineer, you must while in college,
absord fundamental values which will
make you a man of culture. An engineer has not
merely to build bridges; he has to be a
devoted husband, a kind father a friendly
neighbor, a beautiful citizen, and a man
true to himself. He will have trails
and tribulations; his heart will fail him at times;
he will than need the strength which
true culture alone can give."

- Kulpati Dr. K. M. Munshi

VISION

To build a renowned institution

which will produce

skilled graduate engineers

with goodwill for humanity

MISSION

- To impart quality education through need based curriculum in academic programmes.
- To enhance career opportunities for students through industry institute interaction and value added courses.
- To promote excellence by encouraging a wide range of views, lateral thinking and a sense of discipline.
- To inculcate responsibility towards society.

Contents

Magazine Secretary's Report	2
Annual Report 2003 - 2004	3
Vice President's Desk	11
Prize Distribution List	12
General Secretary's Report	19
Cultural Secretary's Report	22
Sports Secretary's Report	23
Ladies Representative's Report	24
Alumni Report	25
Placement Record's	26
English Section	27
English Editorial	28
Technical Section	53
Achievment's	54
Marathi Section	67
Marathi Editorial	69
Hindi Section	89
Hindi Editorial	90
Advertisements	101

MAGAZINE SECRETARY'S REPORT

Any undertaking is essentially an amalgam of a goal (or an objective), a schedule (or a plan of action) and an efficient, practical and effective implementation of the plan.

In other words, the most preliminary cornerstone to the foundation of any successfully accomplished task is identifying the destination and direction for channeling one's efforts.

'DISHA' or direction, in the broader sense is not only a direction of travel, but a direction of thought and expression. Every direction, whether right or wrong, brings with it a new perspective and a new learning experience.

DISHA-2004 was a very gratifying experience. It was the immense help from the entire team of editors - Amit, Akshay, Nishad, Manish and Ravindra & Baban that made the task of compiling and editing the articles very enjoyable and manageable.

The guidance from ***Prof. (Mrs.) V. Joshi, Dr. M.M. Kulkarni, Prof (Mrs.) Madhavi Gokhale and Prof. (Mrs.) Solanki*** *kept us from veering off and helped us deal with the numerous hurdles that we faced along the way and also learn from them.*

DISHA-2004 endeavors to highlight the academic and extra-curricular achievements of the students of Sardar Patel College of Engineering during the course of the year 2003-04.

SPCE is known for its variegated and multifarious culture and talents. On the one hand it has an excellent record for academic and technical proficiency and on the other, there is an abundance of literary, oratory, organizational and artistic talent.

DISHA-2004 is, then, an overview of the profile of our college and the rich culture associated with it.

Keya Pandia
TE Electronics

THE MAGAZINE COMMITTEE

Magazine Secretary :	***Keya Pandia*** *– TE Electronics*
Editors English Section :	***Amit Bhan & Akshay Aras*** *– TE Information Technology*
Hindi Section :	***Manish Agarwal*** *– TE Electrical*
Marathi Section :	***Nishad Tupe*** *– TE Electronics*
	Ravindra Munje *– TE Electrical*
	Baban Sahane *– TE Electrical*

Special Thanks to

Avadhoot Jathar *– TE Electrical*
Divyesh Kharade *– TE Electronics*

ANNUAL REPORT 2003-2004

A) Major Developments :

A team of experts from National Board of Accreditation (NBA) visited the college on 23rd, 24th & 25th January 2004 for the accreditation of Civil, Mechanical, Electrical & Electronics Department. The College is short listed for the TEQUIP (Technical Education Quality Improvement Program.) of the Central Government. The college has applied for the academic autonomy to the University of Mumbai.

B) Academic Achievements of Our Students :

The results of University Examinations held in May/June 2003 in various branches have been fairly good. The results of the final year have been extremely good and were as follows :

Examination	% of Passing
B.E. (Civil)	84.93%
B.E. (Mechanical)	77.02
B.E. (Electrical)	80.72
B.E. (Electronics)	73.61
B.E. (Computer)	82.35
B.E. (I.T.)	74.32

Academic achievements of our final year students have been excellent. The Mumbai University rank positions of our students in Electrical, Mechanical, civil, Computer and Electronics Engineers are as follows :

1. Civil Engineering :
   - a. Mr. Shelar Anil S. — 4th Rank
   - b. Mr. Iyer Hariharan S. — 6th Rank
2. Mechanical Engineering :
   - a. Mr. Kachroo Navneet V. — 5th Rank
   - b. Mr. Toraskar Mahesh R. — 6th Rank
3. Electrical Engineering :
   - a. Mr. Ghate Neeraj V. — 17th Rank
   - b. Mr. Mookerjee Saurabh A. — 23rd Rank
4. Electronics Engineering :
   - a) Mr. Jagani Dhaval J. — 18th Rank
   - b) Mr. Kartik Ramlingam — 24th Rank
   - c) Mr. Vinay V. Bhat — 29th Rank
   - d) Mr. Alisghar Maqbool Bawa — 36th Rank

5. Computer Engineering :

a)	Mr. Kannarath Jagdeep	21st Rank
b)	Miss. Priya Raju	22nd Rank
c)	Mr. P. Amitkumar	27th Rank
d)	Miss. Snehal R. Sanghavi	45th Rank

6. Information Technology :

a)	Miss. Roopa Menon	1st Rank
b)	Miss. Sonali Kansara	8th Rank
c)	Mr. Ramavat Darshan	12th Rank

C) Other Major Student Achievements :

1. Miss. Bhavana S. Sharma of F.E. (Civil) is participating in swimming competition in South Asian Federation games (SAF) to be held in Pakistan in March 2004.
2. Mr. Shrijit Plappally, Mr. Nirad Inamdar, Mr. Nishad Manerikar, & Mr. Bharat Jayakumar (Computer / Electronics / IT) were the proud winners of the Univesity Challenge Quiz competition on BBC world, conducted by Siddhartha Basu.
3. Miss. Pratibha Singh : Student of final year Electrical Engg. won the second prize at National level paper presentation contest "Shastra 2003" held at IIT Chennai during 9-12-2003. Title of the paper was "Design and FPGA implementations of Hardware print server".
4. Many of our students are recipients of prestigious Sir. J.R.D. Taa Scholarship.
5. Mr. Shrijit Plappally of B.E. I.T. scored 1600 / 1600 on his G.R.E. & also got a call from all six I.I. Ms.

D) Promotions of Faculty :

1. Dr. P.H. Sawant : Promoted of Professor in Civil Engg. Department
2. Dr. S.M. Pandit : Promoted of Professor in Electrical Engg. Department
3. Prof. V.D. Raul : Promoted to Asst. Professor in Mechanical Engg. Department
4. Prof. R.R. Easow : Promoted to Asst. Professor in Mechanical Engg. Department
5. Prof. Radha Mani : Promoted to Asst. Professor in Info Tech. Department
6. Pro. A. Godbole : Promoted to Asst. Professor in Computer Tech. Department
7. Prof. D. Ambavade : Promoted to Asst. Professor in Electronics Engg. Department

E. Details of Achievement of of Higher Qualifications by Faculty :

1. Dr. P. Shrivastava : will be proceeding for PDF to university of Dublin, Ireland.
2. Dr. R.A. Hegde : Sr. Lecturer in Civil Engg. Dept. defended his PhD thesis on 4th Feb. 2004 at IIT bombay.

3. Prof. Nagarle : Joined PhD Programme in Civil Engg. at IIT Roorkee.
4. Prof. A.N. Bambole : Joined PhD Programme in structural Engg. at IIt Bombay under QIP.
5. Prof. B.N. Jagdale : has registered for PhD in "Mobile computing in Bharti Vidyapeeth, Pune.
6. Prof. Vidya Mhaske : Completed her M.E.

F) **Other Major Faculty Achievements** :

- **Dr. S.Y. Mhaiskar :** Nominated as an expert for NBA team for a Govt. degree college in Kerala.
- **Dr. S.Y. Mhaiskar :** Member of the task force for reviewing PG proposals in the state.
- **Dr. B.N. Pandya :** Prof. & Head of structural Engg. Department has been appointed as Chancellor's nominee in the building and works committee of Mumbai University.
- **Dr. M.M. Kulkarni :** Nominated as an expert for NBA team for the 2 Polytechnics in M. P. and I agree college in Tamil Nadu.
- **Prof. M. M. Kulkarni :** Delivered a Lecture at AICTE sponsored Short-Term course on "Advanced air and water pollution control methods" held at Govt. College of Engineering, Aurangabad in July 2003.
- **Prof. V. D. Raul :** Delivered lecture on extra first class engineers at Lal Bahadur Shstri Nautical and engineering college at Hay Bunder Mumbai in the subject of "Vibration Analysis".
- **Prof. S. B. Rane :** Delivered lecture prosthetic hand for the handicapped person in Two Days workshops on ROBOTICS held at SPACE in April 2003.
- **Ms. Shyamalee Solanki :** appointed as associated NCC officer and has been directly recruited as lieutenant.
- **Prof. Y. S. Rao :** delivered a lecture on "Embedded Systems" at Terna Engg. College as a per of the IFFF Programme.
- **Prof. M. U. Gokhale & Prof. Shyamlee Solanki :** were deputed by IEEE to deliver a lecture at G.S.I.T. Indore and Engieering Colleges in Mumbai to conduct a seminar on "Personality Development".
- **Prof. Y.S. Rao :** Sponsored for PhD under QIP at IIT Bombay from June 2004.

G) **Papers Published By Faculty Members :**

Following staff members published papers in various National and International Conferences and Journals :

NAME OF STAFF MEMBER	TITLE OF PAPER	DATE	VENUE / PUBLICATION
Dr. M. M. Kulkarni	"Personal exposure to toxic metals in an India Metropolitan Region".	Sept. 2003	Journal of Institution of Engineers (India)
	"Expert system for the prediction of personal exposure to NO2"	Dec. 2003	Conference on advances In environmental engineering organized by CESE IIT Bombay.
Dr. P. Shrivastava	"Operational integration suburban railway and public buses - A case study of Mumbai.	Paper accepted	ASCE Journal of Transport Engineering.
Dr. R.A. Hegde	"Finite element modelling of heat flow through landfills"	Aug. 2003	12th Asian regional conference in soil Mechanics & Geotechnical Engg. Singapore
	"Centrifuge modelling of cotaminant migration through composite liners	Aug. 2003	12th Asian Regional conference in soil Mechanics & Geotechnical Engg. Singapore.
	"Finite element modelling of heat flow in soil"	March 2003	Proceeding of symposium on advanced Geotechnical Engg. IIT Roorkee.
Shri. A.R.Kambekar	"Estimation of pile group scour using Neutral Networks".	Dec. 2003	Journal of Applied Ocean Research U.K.
Shri. P. K. Deshpande	"Geological and Geotechnical investigations for a minor bridge across the creek".	Dec. 2003	Indian Geotechnical Conference (IGC) 2003

Prof. G.T. Thampi	Paper accepted accepted	(Mar. 2004)	National Conference at JNTU college of Hyderabad.
Dr. A.V. Bhosale	"Efficiency assessment of SCM by using RBNQA model to lead the technical institution on TQM path".	Jan. 2004	International conference on"Responsive Supply Chain and Organizational
	"Building competency to lead to world class business process in the realm of integration of supply chain management & customer relationship management Benchamarking using Techniques"	Dec. 2003	International Conference on"Responsive supply Chain and organizational competitiveness (RSC - 004)" at Coimbatore institute of technology Coimbatore Tamilnadu with Massachu - setts University USA.
	"Organizing to lead to world class technological institution based on Total quality management Philosophy.	Dec. 2003	ISTE convention and paper presentation held at Kumarguru college of tehcnology Coimbatore.
Prof. S.B. Rane	"Building competency to lead to world class business process in the real of integration of supply chain management & customer relationship management using Benchmarks Techniques".	Jan. 2004	International Conference on "Responsive Supply Chain and Organisational Competitiveness (RSC - 004)". at Coimbatore institute of technology coimbotore Tamilnadu with Massachuschetts Univesity USA
	"Organizing to lead to world class technological institution based on Total quality management Philosophy.	Dec. 2003	ISTE convention and paper presentation held at Kumarguru college of tehcnology Coimbatore.

Dr. Shubha Pandit	"Differential Protection for Power Transformer".	Paper accepted (April 2004)	International Conference on Development in power system Protection, to be eld in Amsterdam.
	"Changing Role of Teacher in ICT Paradigm.	Dec. 2003	ISTE Convention, Coimbatore
Prof. Prachi Gharpure.	"Experiments of Modern Individualized learning	Aug. 2003	Symposium on E-Learning, Monteral Canada.
	"Changing Role of Teacher in ICT Paradigm.	Dec. 2003	ISTE Convention, Coimbatore
Mrs. Maitrayee Ghosh	"Satisfying Engineering Communication through consortia based system : A conceptual framework for regional cooperation in India.	Paper accepted March 2004	International Confernce on digital archive - technology (ICDAT - 2004 Taipei, Taiwan.
	"Knowledge Management in the digital age : Challenges and opportunities in India".	March 2003	Proce. of International Conference(Aisa- Pacific) March 2003 Change-Mai Thailand.
	"Network, Digital Libraries and knowledge management : Trends & developments".	Aug. 2003	DESIDOC Bulletin of Information Technology.
	Public Libraries at the Internet age : Indian Scenario".		International federation of Librarians association (IFLA) & Institution, Berlin, Germany.

H) Details of Training programme Organized:

Dr. A. V. Bhosale & Prof S.B.Rane (Mechanical Engg. Deptt): Conducted trasning programme on "SPC/SQC" implementation fo Mercantile & Industrial Development Corporation ltd. Mumbai. (MIDCO)

Faculty members of **Computer/Electronics/IT** organied seminers and workshops on :

- A two-day workshop on pc installataion for staff
- DSP Hardware & Applications

I) Sponsored Projects:

- **Dr. M.M.Kulkarni :** Awarded consultancy & research projects by
  1) University of Georgia, USA
  2) BMC Mumbai
  3) Tarmac (India) Ltd.
- **Structural Engg. Department:** earned revenue of Rs. 27.2 Lakhs (upto Jan. 2003) from testing and consultancy.
- **Stuctural Engg. Department:** has undertaken the major consultancy project of Rs. 13.6 Lakhs for the stability assessment of old buildings in Meera-Bhaynder Municipal Council area.

J) First & Second Year Engineering Admission Process:

The Government of Maharashtra entrusted the work of F.E. admission to our College for vacancy round & S.E. Direct admission for entire Maharahstra state of candidate for all Government Aided and Unaided Engineering Colleges is the state of maharashtra.

Dr. P.H. Sawant was the co-ordinator and **Prof. V.S. Agarwal** and **Prof A.S. Chavan** were the Joint co-ordinators.

K) Teaching Faculties joined during 2003-2004:

Civil Engineering Department :

Mr. A.R.Kambekar

Miss.H.S.Jeswani

Miss. R.R. Raskar

Mr. Alok Mishra

Mr. A.N.Ghadge

Mechanical Engineering Department :

Mr.M.K.Bhiwapurkar

Mr.V.V.Gandhewar

Mr. P.K. Mulay

Mr. M.Bade

Electrical Engineering Department :

Mr.N.G. Bhitre

Mr.U.K.Patel

Mr.S.Hatkar

Electronics Engineering Department :

Prof.Nandini Jog

Miss.Nisan Brahme

Ms. Laxmi Giriraj

Computer Engineering Department :

Miss. Renu Deshpande

Miss.Veena Deshmukh

Mr. Sujesh Menon

Mr. C.R.Gajbhiye

Principal - Dr. R.S. Mate

FROM THE VICE PRESIDENT'S DESK



This is my second year as the Gymkhana Vice President. I enjoyed working with my young friends., This time I was surprised to find lack of motivation from the meritorious students ofB.E. class to work as class representatives. However, the team of Vaibhav Wankhede-General Secretary, Kaustabh Vaidya - Cultural Secretary, Apurva Deshpande and Kaumudi Damle - LRsdid excellent job in organizing various events throughout the academic year 2003-04. This year we were fortunate to have Shri P.S.Deodhar, Executive Chairman - APLAB and advisor to former prime Minister Late Shri Rajiv Gandhi, as the Chief Guest for the annual day celebrations on 27th Feb 2004. There was a program by noted singer Smt. Uttara Kelkar on this occasion, which was enjoyed by faculty, staff and students. SPACE 2004 was a great success. Prof.R.B. Buktar did excellent job as the Ex-Officio. The Core Committee comprising of Suyog Karmarkar, Avadhoot Jathar, Rajiv Chhajer and Kartik took great efforts in monitoring the various activities of SPCE. Though the sponsorship amount was not as per expectations, the college authorities provided the necessary help. The pro-nite by Euphoria was a roaring success. BPCL were kind enough to provide the sponsorship. Freshies' welcome, Techno-Break, Bhavspandan, B.E. farewell were also celebrated enthusiastically. This year, I insisted on celebrating the farewell function at the Department level and I am thankful to the students for accepting this suggestion. The alumni meet held on the occasion of B.E. farewell provided platform for meeting the past with present. This year the Sports section was very dynamic and some events were also organized in the college. Miss. Bhavana S. Sharma of F.E.(Civil) participated in swimming competition in South Asian Federation games (SAF) held in Pakistan in March 2004 and made the college proud by winning the gold medal. SPCS team comprising Shirjit, Nirad, Nishad and Bharat won the BBC world University Challenge quiz competition. The college is proud of them. I am thankful to Principal Dr. R. S. Mate & joint Principal Dr. S.Y. Mhaiskar and all the ex-officios for their support and help throughout the year.

Dr. Milind M. Kulkarni.

BHARTIYA VIDYA BHAVAN,S
SARDAR PATEL COLLGE OF ENGINEERING

The following are the prizes awarded to the students of this college for the year 2002-2003

KULPAIT'S GOLD MEDAL

Sr.No.	Name of the candidate	Prize Awarded
1.	SHRI SHELAR ANIL S.	For securing First Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Civil) Examination held in June 2003.
2.	SHRI KACHROO NAVNEET V.	For securing First Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Mech) Examination held in June 2003.
3.	SHRI CHIPLONKAR HARSHAVARDHAN H.	For securing First Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Elect) Examination held in June 2003.
4.	SHRI JAGNIDHAVAL J.	For securing First Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Electronics) Examination held in June 2003.
5.	KUM. PRIYA RAJU	For securing First Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Computer) Examination held in June 2003.
6.	KUM. MENON RUPA	For securing First Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (I.T.) Examination held in June 2003.

KULPATI'S SILVER MEDAL

Sr.No.	Name of the candidate	Prize Awarded
1.	SHRI IYER HARIHARAN	For securing SecondRank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Civil) Examination held in June 2003.
2.	SHRI TORASKAR MAHESH R.	For securing Second Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Mech) Examination held in June 2003.

3.	SHRI. GHATE NEERAJ VIVEK	For securing Second Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Elect) Examination held in June 2003.
4.	SHRI. BAWA ALIASGHAR M.	For securing Second Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Electronics) Examination held in June 2003.
5.	SHRI. KANNARATH JAGDEEP	For securing Second Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (Computer) Examination held in June 2003.
6.	KUM. KANSARA SONALI	For securing Second Rank in First Attempt amongst Student of this college and First Class with Distinction In B.E. (I.T.) Examination held in June 2003.

SHRI PRUTUVISH NARAYANDAS KILLAWALA PRIZE OF RS. 100/- EACH

Sr.No.	Name of the candidate	Prize Awarded
1.	SHRI. THITE HRISHIKESH VINAY	For securing Highest Marks in First Attempt amongst Student of this college at F.E. (Electrical) Examination Held in June 2003 and joined in S.E. (Electrical) in theYear 2003-2004.
2.	SHRI. LIKHATE SIDDHARTH R.	For securing Highest Marks in First Attempt amongst Student of this college at S.E.. (Electrical) Examination Held in June 2003 and joined in T.E. (Electrical)in theYear 2003-2004.
3.	SHRI. PATIL DEEPAKKUMAR M.	For securing Highest Marks in First Attempt amongst Student of this college at T.E. (Electrical) Examination Held in June 2003 and joined in B.E. (Electrical)in theYear 2003-2004.
4.	SHRI CHIPLONKAR HARSHAVARDHAN H.	For securing Highest Marks in First Attempt amongst Student of this college at B.E. (Electrical) ExaminationHeld in June 2003

SHRIPAD RAO DUBHASHI PRIZE OF RS. 75/-

Sr. No.	Name of the candidates	Prize awarded
1.	KUM. BODEPU VIJAYA RAM	For securing Highest Marks amongst successful College student in the subject of "Building Design And Drawing " in T.E. (Civil) Semester V examination Held in December 2002

SHRIMATI AHILYABAI PRIZE OF RS. 100/-

Sr.No.	Name of the candidates	Prize awarded
1.	SHRI. SINGH CHANDAN SUDARSHAN	For standing First in the subject of Design and Drawing of Concrete Structures" in B.E. (Civil) Semester VII examination held in June 2003

SHRI R.N. JOSHI PRIZE OF RS. 100/-

Sr.No.	Name of the candidates	Prize awarded
1.	SHRI. SHELAR ANIL S.	Has been awarded prof. R.N. Joshi prize for securing Highest marks in Semester VII and Semester VIII (Civil) taken together and passing separately during 2002-2003.

DR. PRANLAL PATEL FOUNDATION PRIZE OF RS. 500/- EACH

Sr.No.	Name of the candidates	Prize awarded
1.	SHRI. DHOLYE VINIT V.	Has been awarded prof. Pranlal Patel prize for securing the highest percentage of marks in F.E. (Mechanical) Examination at the first attempt during 2002-2003.
2.	SHRI. PATRAWALA KAUSHIK T.	Has been awarded Dr. Pranlal Patel prize for securing the highest percentage of marks in S.E. (Mechanical) Examination at the first attempt during 2002-2003.
3.	SHRI. MOHOLE AMIT D.	Has been awarded prof. Pranlal Patel prize for securing the highest percentage of marks in F.E. (Mechanical) Examination at the first attempt during 2002-2003.

SHRI JAYANTI SATYANARAYANA PRIZE OF RS. 50/-

Sr. No.	Name of the candidates	Prize awarded
1.	SHRI MUDHALE KASHINATH D.	For securing highest percentage of marks in subject" Structural Analysis " Semester V at the T.E. (Civil) examination held in December 2002

SHRI MARATHE MEMORIAL PRIZE OF RS. 500/- EACH

Sr.No.	Name of the candidates	Prize awarded
1.	SHRI. DHOLYE VINIT V.	For securing highest percentage of marks in subject "Engineering Mechanics" Semester I at the F.E. examination held in 2002-2003.

SHRI MARATHE MEMORIAL PRIZE OF RS. 250/- EACH

Sr. No.	Name of the candidates	Prize awarded
1.	SHRI. SAWANT VIJAY S.	For securing highest percentage of marks in subject "Strength of Materials" Semester III at the S.E. (Civil) examination held in 2002-2003.
2.	SHRI. PATRAWALA KAUSHIK T.	For securing highest percentage of marks in subject "Strength of Materials" Semester III at the S.E. (Mech.) examination held in 2002-2003

BENGAL ENGINEERING COLLEGE ALUMNI ASSOCIATION (BOMBAY BRANCH) TRUST SCHOLARSHIPS OF RS. 2000/- EACH.

Sr. No.	Name of the candidates	Prize awarded
1.	SHRI. MUDHALE KASHINATH D.	For securing Highest Marks in First Attempt amongst Student of this college of T.E. (Civil) ExaminationHeld in May 2003 .
2.	SHRI. MOHOLE AMIT D.	For securing Highest Marks in First Attempt amongstStudent of this college of T.E. (Mechanical) Examination Held in May 2003
3.	SHRI. PATIL DEEPAK KUMAR M.	For securing Highest Marks in First Attempt amongst Student of this college of T.E. (Electrical) ExaminationHeld in May 2003 .
4.	SHRI. SATAM HARSHAD DEEPAK	For securing Highest Marks in First Attempt amongst Student of this college of T.E. (Electrionics) Examination Held in May 2003 .

INDIAN WATER WORK ASSOCIATION (BOMBAY CENTRE) CASH PRIZE OF RS. 400/-

Sr.No.	Name of the candidates	Prize awarded
1.	SHRI. IYER HARIHARAN S.	For securing Highest Marks in subject "Environmental Engineering ". B.Civil Semester Examination held in December 2002 .

DR. G.A. MHASKAR & DR. B.M. JOSHI PRIZE OF RS. 130/-

Sr.No.	Name of the candidates	Prize awarded
1.	SHRI. CHIPLONKAR HARSHAVARDHAN H.	For securing 1st rank in B.E. Electrical Class.
2.	SHRI. JAGANI DHAVAL J.	For securing 1st rank in B.E. Electrinics Class.
3.	KUM. PRIYA RAJU	For securing 1st rank in B.E. Computers Class.
4.	KUM. MENON RUPA	For securing 1st rank in B.E. (I.E.) Class.

MERIT PRIZE ON THE BASIS OF MERIT IN THE PRECEDING EXAMINATION HELD IN MAY / JUNE 2003.

F.E. CLASS
1. SHRI. DHOLYE VINIT V.
2. KUM. JAIN ASHWINI A.
3. SHRI. BHAT BHALCHANDRA G.

S.E. CIVIL
1. SHIR. NADKARNI AMIT C.
2. SHRI. MORE AMIT
3. KUM. PATADE VAISHALI T.

S.E. MECH.
1. SHRI. PATRAWALA A. KAUSHIK
2. SHRI. KARTIK VISHWANATHAN
3. SHRI. SUCHDEV YUSHBIR.

S.E. ELECTRICAL
1. SHRI. LIKHATE SIDDHARTH R.
2. SHRI. MAHESHWARI MOHIT M.
3. SHRI. SAHANE BABAN P.

S.E. ELECTRONICS
1. KUM. PANDIYA KEYA RAJEEV
2. KUM. BHATNAGAR MANSI V.
3. KUM. RAO NEHA S.

S.E. COMPUTER
1. SHRI. GUPTA RAVI M.
2. SHRI. ENGINEER DARSHAN A.
3. KUM. KAMAT RESHMA G.

S.E.I.T.	1.	KUM. DESHAPANDE APURVA M.
	2.	KUM. SINGH HARJIT A.
	3.	SHRI. VIRA DEVANG N.
T.E.CIVIL	1.	SHRI. MUDHALE KASHINATH D.
	2.	SHRI. SHINDE JAYESH K.
	3.	SHRI. NIKAM AMOL P.
T.E.MECHANICAL	1.	SHRI. MOHOLE AMIT D.
	2.	SHRI. CASTELINO NOEL W.
	3.	SHRI. GHIKE CHINAR S.
T.E. ELECTRICAL	1.	SHRI. PATIL DEEPAK KUMAR M.
	2.	SHRI. CHAVAN PANKAJ P.
	3.	KUM. HARSHEY DEEPA V.
T.E. ELECTRONICS	1.	SHRI. SATHAM HARSHAD D.
	2.	KUM. NADKARNI SHRUTI S.
	3.	KUM. GAIKWAD CHITALI S.
T.E. I.T.	1.	SHRI. KURIYIL SUBIN B.
	2.	SHRI. DANI JITESH N.
	3.	SHRI. PLAPALLY SHRIJIT
B.E. CIVIL	1.	SHRI. SHELAR ANIL S.
	2.	SHRI. IYER HARIHARAN
	3.	SHRI. NIKAM PANDIT A.
B.E.MECH.	1.	SHRI. KACHAROO NAVNIT V.
	2.	SHRI. TORASKAR MAHESH R.
	3.	SHRI. RAO SATISH MORALI
B.E. ELECTRICAL	1.	SHRI. CHIPLONKAR HARSHVARDAN H.
	2.	SHRI. GHATE NIRAJ V.
	3.	SHRI. NAYAK SUNIL A.
B.E.ELECTRONICS	1.	SHRI. JAGANI DHAVAL J.
	2.	SHRI. BAVA ALIASGHAR
	3.	SHRI. BHAT VINAY V.
	4.	SHRI. KARTIK RAM LINGAM
	5.	SHRI. AGNIHOTRI NIKHIL A.

B.E. COMPUTER

1. KUM. PRIYA RAJU
2. SHRI. KANNARTH JAGDEEP
3. SHRI. P. AMIT KUMAR
4. KUM. SANGHAVI SNEHAL R.

B.E. I.T.

1. KUM. MENON RUPA
2. KUM. KANSARA SONALI
3. SHRI. RAMAVAT DARSHN

MERIT PRIZE OF RS. 100/- EACH (OR BOOKS WORTH THE AMOUNT) AWARDED BY THE DEPARTMENT OF STRUCTURAL ENGINEERING TO THE STUDENTS OBTAINING THE 1ST CLASS & GETTING A MAXIMUM NUMBER OF MARKS IN ALL STRUCTURAL SUBJECT TAKEN TOGETHER AT THE F.E. (CIVIL) S.E. (CIVIL) & B.E. (CIVIL) EXAMINATION HELD IN THE YEAR 2002 TO 2003.

Sr. No.	Name of the Candidate	Prize Awarded
1.	SHRI. BHAGWAT MADHAV S.	F.E. (CIVIL)
2.	SHRI. VIJAYKAR SUMEDH K.	S.E. (CIVIL)
3.	SHRI. MUDHALE KASHINATH D.	T.E. (CIVIL)
4.	SHRI. SINGH CHANDAN S.	B.E. (CIVIL)

COMMUNICATION SKILL PRIZE OF RS. 100/- AWARDED BY STRUCTURAL DEPARMENT FOR F.E. CLASS. FOR GETTING MAXIMUM MARKS IN C.S. SUBJECT.

Sr. No.	Name of the Candidate	Prize awarded
1.	Shri. Gupta Sahil A.	F.E.

GENERAL SECRETARY'S REPORT

"Seize the day, and put as little trust as you can on tomorrow."

Horace
Odes 35 BC

This was the line we followed in order to put forward a successful series of events for the academic year 2003-04.

Even though you may ultimately become a scientist, a doctor, or an engineer, you must, while in college absorb fundamental values which will make you a man of culture. This visionary thought of Kulpati, Dr. K.M. Munshi has transformed our institution into one of the most socializing ones in the state.

The gymkhana activities have always been the heart of SPCE along with its curriculum. They started with Gymkhana elections of Students Council conducted by Dr. M.M Kulkarni & Dr. S. Pandit on 13th Nov 2003. The initial excitement of being the General Secretary of the college soon passed away, as I grasped enormous responsibilities it laid ahead of me. This years' activities started off with 'Freshies Welcome' which provided a platform for the F.E.s to display their talent & get the taste of SPCE tradition. 'Nirmaan', an intracollegiate technical event was conducted successfully under the guidance of Prof. Mrs. Prachi Gharpure. The tech fest was the real test of the skills of students with events like Junkyard Wars, Treasure Hunt & many more.

The 'Alumni Meet' was held on 19th Oct 2003. It was planned during this meet that to have the alumni contribute to the decisions and welfare of our college, they need to meet on a regular basis. It was decided to be hold on themeet on the first sunday of new year. The New Year started off as planned with the Alumni Meet on 4th Jan 2004 which was a grand success. The new Alumni Committee was appointed to provide benefits to the students in the college and to take proper suggestions from the committee for the welfare of the college.

The NBA committee visited the college from 23rd to 25th Jan 2004. Four branches that included Mechanical, Electrical, Civil and Electronics were accredited for 3 years. The visit of the committee added charm to the beauty of the college.

The next event on our agenda was 'TechnoBreak'. The intra-collegiate cultural event was held on 30th and 31st Jan 2004. It was a neck-to-neck competition amongst all the classes from different branches. There were more than forty events including a fashion show and Visual Impact, a group dance competition. Finally B.E. I.T. emerged as the proud winners of the TechnoBreak shield. The intra collegiate festival was a dress rehearsal for SPACE, to be held just in a few weeks. Because of paucity of time, the event was held prior to the first Gymkhana meeting. It would have been impossible to conduct this event prior to the budget meeting without co-operation of our Principal Dr. R.S. Mate, Joint Principal, Dr. M. M. Kulkarni and Professor R.B. Buktar.

Despite the various obstacles, we, as a team under the valuable guidance of Dr. M.M. Kulkarni and Professor R. B. Buktar learnt the most important things in life; those are the joys of team work, finance management, time management and human resources management. SPACE started off with a bang on 19th Feb 2004.

*The theme this year was "**Mumbai**- the race for space" which was the replica of the fast and ever alive life of Mumbai. Around forty-five colleges from all over Mumbai participated for the trophy of the best guest college over a period of three days. There were around sixty two events which were divided into seven different categories with many famous personalities like Band of Boys, Siddharth Kannan, and others judging them.*

The first night was held on the Bhavan's ground which was a grand success with 'EUPHORIA-live in concert' rocking the crowd. The second night was the 'DJ-Nite' held in the Quadrangle with DJ Moksh playing his best numbers. Finally the SPACE grand finale on 21st Feb was the Visual Impact carrying maximum number of points. It had 14 teams competing from all over Mumbai.

It was the teamwork and dedication of the entire SPACE crew which resulted in success of SPACE-04. All thanks to Dr. M. M. Kulkarni and Professor R. B. Buktar whose valuable guidance and exemplary leadership made this possible. The credit of success goes to all committees – Logistics Special Task Force, Security, Administration, Volunteer Management, Technical Team, Interactive team, Finance & Publicity Team, Refreshment, Judges Coordinators and various Event Coordinators along with the Chief Event Coordinator & Special Event Coordinators for their sincerity, dedication & proficiency in their departments.

The '41st Annual Day' was celebrated on 27th Feb 04. This year we were proud to have Shri. P.S. Deodhar, former advisor to Prime Minister, Late Shri Rajiv Gandhi, gracing the occasion as the chief guest. Prize distribution was followed by a performance from Smt. Uttara Kelkar who sang some beautiful songs of Asha Bhosle. Credit goes to the ladies representatives, refreshment team and volunteers who handled the event successfully under the guidance of Dr. M .M. Kulkarni and Mrs. Madhavi Gokhale.

The other significant cultural events were the 'Rose Day', Marathi Sahitayakala Mandal's 'Bhavaspandan'. Despite of various hindrances faced by the SE's who formed the rose day committee, they dissipated great sense of unity and courage, which are the most important assets of every successful committee. Bhavaspandan was conducted on 18th March with the help of Prof. Mrs. Sangeeta Gadve. The 'Traditional Day' was merged with it to depict the 'Unity in Diversity 'as a quality of true Indian citizen.

The CEA organized national level technical paper presentation, 'Nirmiti'. Credit for its success goes to CEA chairman Anirudh Jawade, General Secretary Jaydutt Laad and the Nirmiti committee. The MESA organized the national level technical paper presentation, 'Mechspeak'. It was conducted successfully and the credit goes to MESA President Karthik & General Secretary Yashbir Sachdev and their team.

All the associations of other branches like IT Students' Association (ITSA) – IT, FACE – Computers, EESA – Electrical, ESA – Electronics and IEEE-SPCE chapter were active throughout the year and conducted many seminars and events successfully.

For the first time ever, SPCE organized an 'Intercollegiate Sports Competition' and various sports like cricket, volleyball and badminton were held successfully. The credit goes to our Sports Secretaries and the organizers.

Finally, the activities of the year concluded with B.E. Farewell held on 9th Apr 2004. Throughout my tenure as General Secretary, I have received tremendous support from all my fellow T.E.s. Their help and advice has been a tremendous boost to all the programs held so far. I am very thankful to all of them for making this year a memorable one. I would like to thank our Principal Dr. R.S. Mate, Joint Principal Dr. S. Y. Mhaiskar, all the head of departments who have helped us out in many little ways. I would also like to thank Dr. M.M. Kulkarni for all the things I have learnt from him and for helping us out through our tough times. I would also like to thank all the ex-officios, Training and Placement Officers – Mr. Harshad Joshi and Mr. Vijay Gandhewar for their help & co-operation throughout. I would also like to thank Madhavi madam & Solanki Madam for helping us in trying times. I am thankful to Mrs.Varsha Parab of SPJIMR for extending her support to all students activities in S.P.C.E.I am also thankful to Kadam sir for his ever-helping nature & support to the students. I am thankful to Nandakumar Sir and Gurav Sir for helping the technical team which was a great asset. I am also thankful to Jagtap Sir & Hemant Sir who always helped us in any possible way and provided us with as many facilities as possible. I would also like to thank Venkatesh sir for his help with all the electrical equipment in the college. I also express my gratitude towards all teaching & non-teaching staff members for their guidance, help and co-operation for carrying out all the events successfully.

Amongst my colleagues, I thank the Cultural Secretary Kaustubh, Chairman Karthik, Head of Administration Suyog, Chancellor and Treasurer Avadhoot and Head of Finance and Publicity Rajeev who helped me in taking all decisions and carrying them out successfully. I would also like to thank my committee for their co-operation & support.

As I conclude, a special mention of thanks to my council members Cultural Secretary, Ladies Representatives Apurva and Kaumudi, Magazine Secretary Keya, Sports Secretaries Rishi, Siddharth and Sachin, fellow students and each and every SPCEite for their contribution, help and co-operation in carrying out events successfully and making this year a memorable one for me.

Vaibhav Wankhade

TE Mechanical

CULTURAL SECRETARY'S REPORT

Sardar Patel College of Engineering is one of the best of its kind in Mumbai. Well known not only for the quality of education but also for the number of extra-curricular activities organized round the year. And to get elected as a member of Gymkhana Committee of such an awesome institute is something very special. It's an honour, but with a responsibility.

The gymkhana committee was elected on 13th November 2003, prior to exams. All the cultural activities started after the odd semester. The very first event under my belt was TechnoBreak. It was organized on 30th and 31st January 2004. Over 35 events were organized over 2 days, including Visual Impact and Rampage as pronites. B.E. IT emerged as the winners of TechnoBreak shield with B.E. Electronics as the first runner-up. The B.E.s showed that they are best when it comes to lifting the shield.

Then came the much-awaited SPACE - Sardar Patel Annual Cultural Extravaganza, one of the very best festivals conducted in engineering colleges in Mumbai. It was organized on 19th, 20th and 21st of February 2004. Over 64 events were organized including the pronites. A couple of years ago we had the likes of Zakir Hussain and Lucky Ali being part of this festival. This time we had Euphoria performing on Bhavan's ground. A crowd of over 3500 was present at the event. On 20th February evening, it was DJ Moksha mixing his music in the quadrangle. Visual Impact, the inter-collegiate dance competition served as perfect finale to SPACE-04 on 21st evening. 15 teams from different colleges participated in this event. Over 12000 students visited SPCE during those 3 days. Here I would like to thank Prof. Rajesh Buktar who served as an ex-officio for SPACE and guided us all the way along. I would like to thank my colleagues of core committee, General Secretary –Vaibhav Wankhade, Chairman – Kartik, Head of Admin – Suyog Karmarkar, Head of Finance and Publicity – Rajeev Chhajer, and Treasurer - Avadhoot Jathar.

Bhavaspandan, the Marathi program, was organized on 18th March 2004 under the guidance of Gadve madam. The students as well as the staff members performed at the event. Traditional day was also observed on the same day.

2nd year students organized Rose Day on 26th March 2004. Their efforts made the event a successful one. It was also accompanied by formal day.

Finally, the last event of the academic year, the BE Farwell party was conducted on 9th April 2004. For the first time, there was a department-wise function organized. It was accompanied by musical program in quadrangle, followed by Alumni meet and dinner.

Finally, I would like to thank our honourable Principal and Gymkhana President Dr. R. S. Mate, Joint Principal Dr. S.Y. Mhaiskar and Gymkhana Vice-president Dr. M. M. Kulkarni for supporting all student activities. I would also like to thanks my other council members, Ladies Representatives – Apurva Deshpande and Kaumudi Damle, Magazine Secretary – Keya Pandia and Sport Secretaries – Siddharth Datta, Rishi Srivastav and Sachin Gore. It was a great experience working with them. I would also like to thank Gokhale Madam and Solanki Madam for guiding us throughout the year. I would also like to thank the Heads of Departments of all branches for extending their support during various activities.

This college has taught me many things apart from academic curriculum. I am grateful to this college for letting me an opportunity to serve it.

Kaustubh Vaidya
TE Electronics

SPORTS SECRETARIES' REPORT

This year has seen many reforms made in the sports arena of the college. It has been one of the most successful seasons in the sports sector of our college. We were privileged enough to organize our first ever 'Intercollegiate Sports' meet. Hopefully the trend continues.

This year saw a lot of improvement in the performances in our volleyball team, badminton team and football team. Our badminton team ended runners up at Somaiya College, VJTI and in our own SPCE annual sports meet. The volleyball team also ended up as runner's up at VJTI and won the tournament at our college.

Our college held intercollegiate events in cricket, volleyball and badminton. Over fifteen teams participated in this all engineering college fiesta. Terna College picked up numero one position in cricket with our college ending as runners up. Somaiya College won the badminton tournament held at Andheri Sports Complex. Our team won the volleyball tournament.

Our intra college events were also a success. We began with box cricket and ring football which was a lot of fun. We organized a girls cricket tournament too which ended in a thrilling final between Civil and IT seeing the formers emerge as winners. The intracollegiate cricket tournament was pulled off very well with SE Electrical emerging as winners. The chess tournament was also organized very well and turned out into a magnanimous success. We then continued with the table tennis and carrom tournaments which did pretty well. Finally we ended the season with the inter faculty badminton tournament which saw the upset of reigning champions electronics in the semifinals against IT who won the tournament. The girls' badminton tournament did very well too with a lot of participation.

We are very thankful to Professor Buktar, Professor Barot, Dr. Kulkarni and Dr. Mhaiskar who really helped us in organizing the inter college tournaments along with all the other events held. A vote of thanks to the General Secretary Vaibhav, Cultural Secretary Kaustubh and all the organizers who made it possible to make these events such a success.

In conclusion, we appreciate the participation level of the students in all the sports. We hope that this kind of enthusiasm will always be shown in the future.

Thank you. It's been fun working with SPCE as sports secretaries.

***Siddhartha Datta** (TE ELECTRONICS)*

***Rishi Srivastava** (TE CIVIL)*

***Sachin Gore** (TE ELECTRICAL)*

LADIES REPRESENTATIVES' REPORT

"The important thing to recognize is that it takes a team, and the team ought to get credit for the wins and the losses."

— Philip Caldwell

We take immense pleasure in presenting our report for the year 2003-2004 and would like to take this opportunity to extend our vote of thanks to all the people who helped us take our duties to completion.

It was a very stimulating and heady feeling to be a part of the students' council. We were aware that the authority had come with responsibilities that had to be shouldered not just with each other's help but also with the assistance of a number of people.

Our tenure began with the task of arranging a cultural program for the National Accreditation Team The arrangements were successfully done under the able guidance and the watchful eyes of Prof. Madhavi Gokhale and Prof. Shyamalee Solanki. A million thanks to all the SE volunteers and all the performers who added colours to the evening with their talents and made it such a memorable experience.

Then came the much-awaited Techno-Break and SPACE. It was simply an experience of the lifetime! Initially it was a little difficult to convince people to come forward for reception and security. But after a lot of convincing and cajoling, we finally managed to enlist their co-operation and trust us, they did a brilliant job!!! We thank all the reception volunteers, especially the T.E.s and also the security volunteers especially the girls from SE Civil for their tremendous help. It would have been impossible to manage the formidable task of security, esp. for the special events without them. And one thing that deserves to be mentioned here is that all these people had to let go of some of the events that clashed with their shifts. So a special thanks to all those people who put their duty before everything else!!! We also thank the heads of boys' security: Audumbar, Sumant, Santosh and Ashish who guided us in every way and for being such a great support to us.

We were also actively involved in making arrangements for the Annual Day. We thank Kartik, Abhishek, Suyog, Shivani, Neha, Prachi, Aditi and of course, Elizabeth, not to undermine the GS and the CS for their help.

As a part of sports activities, girls' box-cricket matches were organized and they received an overwhelming response from all the branches. They concluded with an exciting final between Civil and IT. Civil emerged victorious in the end. The college girls-throwball team was also formed this year. Similarly table tennis and carrom competitions were also organized. We express our gratitude towards the Sport Secretaries for their valuable co-operation.

Last but certainly not the least, we extend our thanks to respected Prof. M.M. Kulkarni, Prof. Gokhale and Prof Solanki for their encouragement and guidance. We also thank the General Secretary - Vaibhav Wankhade and the Cultural Secretary - Kaustubh Vaidya and the various SPACE committees for their support and help. Acknowledgements always sound formal, but trust us, this gratitude is heart felt. It was possible for us to carry out all our duties successfully because of all these people and of course, because of the excellent rapport and working relationship that we share between the two of us. To sum it up, it was an amazing experience contributing to the success of the various cultural activities and we hope that our juniors continue this tradition of excellence that we and our seniors have set.

***Apurva Deshpande** (TE Information Technology)*
***Kaumudi Damle** (TE Mechanical)*

SARDAR PATEL COLLEGE OF ENGINEERING

ALUMNI ASSOCIATION

SPCE - AA



We have pleasure in informing you that SPCE Alumni Association (SPCE -AA) is reviving its activities for the benefit of its past and present students. In this direction the Managing Committee has made the following plan:

1. To enroll all the past student as mem bers of the SPCE-AA
2. To register the Association under the Societies Registration Act & Bombay public Trust Act.
3. To develop and design new website for SPCE-AA
4. To establish prizes and awards for outstanding professional achievement of alumni and current student
5. Placements assistance for existing students through alumni members
6. To solicit cooperation of alumni in raising funds for the activities of the Association

As you know any alumni can be an important point of communication between college and present and past students and can do much for the entire fraternity. In this connection we would like to update our database. Past students are requested to send their latest details on the format available on the college website www.spce.ac.in or write to the Principal of the college detailing name, address, e-mail, Tel/mobile nos, year of passing and name of the course. This information will enable us to keep you informed about the future activities of the Association.

We all would like to contribute towards the growth and development of our alma mater. We shall appreciate informing us how best you would like to contribute towards the objectives of the SPCE-AA.

We look forward to your co-operation and feedback.

Yours truly

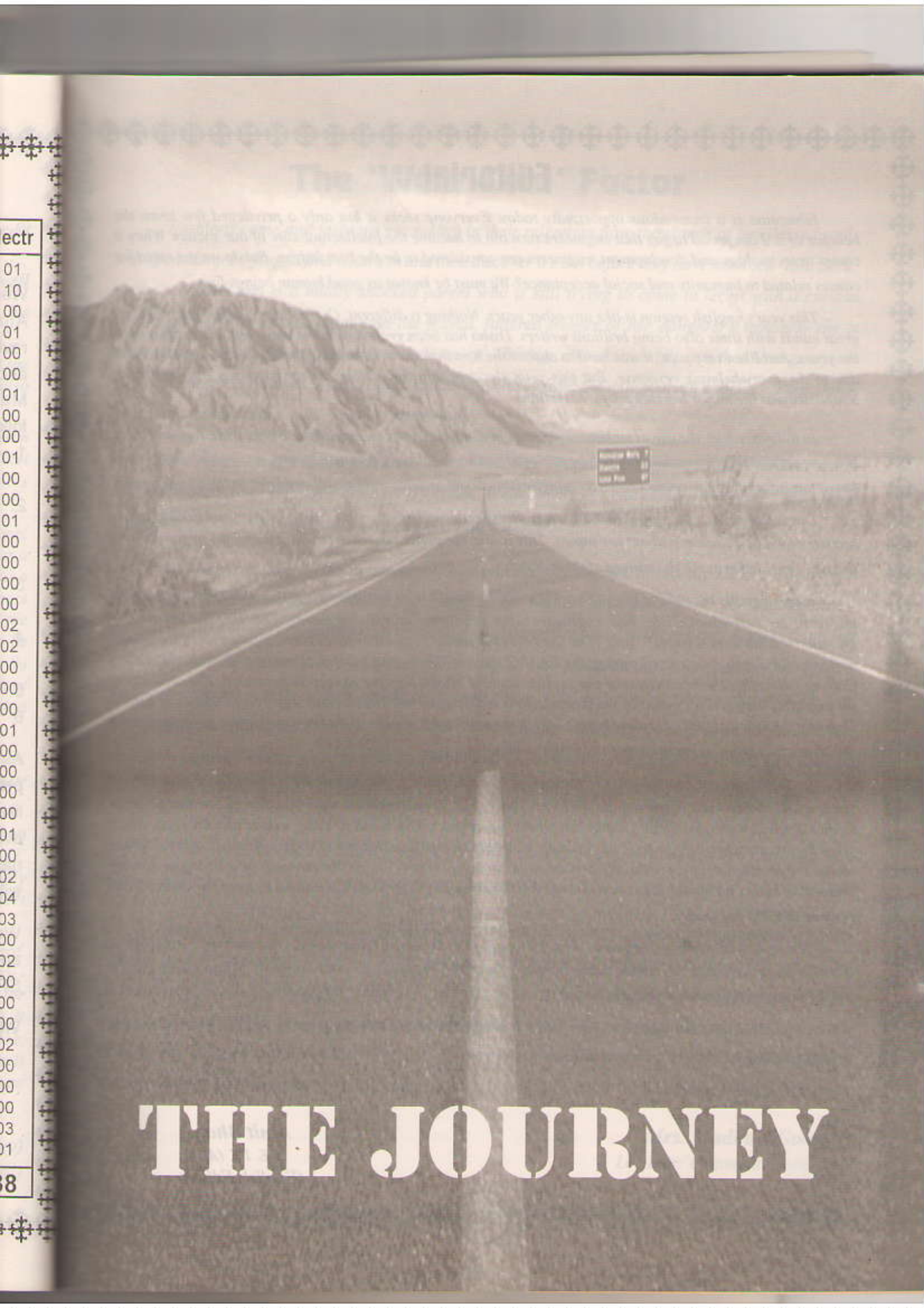
D.S. GORODIA
President
SPCE-AA

R.S. MATE
Principal
SPCE

SARDAR PATEL COLLEGE OF ENGINEERING

PLACEMENTS - (2003 - 2004)

No.	Name Of The Company	Date	Total	Cmpn	Etrx	I.T.	Civil	Mech	Electr
01	T. C. S.	29th July	18	03	03	11	00	00	01
02	INFOSYS	31st July	50	13	13	09	00	05	10
03	MAQ Software	16th Aug	02	02	00	00	00	00	00
04	L. T. Ltd.	1st Sept	08	00	03	00	00	04	01
05	Tufan Infotech	9th Sept	04	02	00	02	00	00	00
06	Wipro Ltd.	16th Sept	03	02	00	01	00	00	00
07	Gharda Chemicals	17th Sept	03	00	00	00	00	02	01
08	Ceat	19th Sept	01	00	00	00	00	01	00
09	Hexware	25th Sept	13	01	05	07	00	00	00
10	Seimens	26th Sept	05	00	03	00	00	01	01
11	Cap Gemini Ernst & Young	1st Oct	04	01	00	03	00	00	00
12	Accenture	17th Oct	03	02	01	00	00	00	00
13	PCS	18th Oct	11	03	01	04	00	02	01
14	Mahindra & Mahindra	22nd Oct	01	00	00	00	00	01	00
15	Syntel	31st Oct	05	04	01	00	00	00	00
16	Godrej IT	3rd Nov	02	00	00	00	00	02	00
17	Nucsoft	10th Nov	01	00	01	00	00	00	00
18	Mastek	12th Nov	02	00	00	00	00	00	02
19	Blue Star	18th Nov	02	00	00	00	00	00	02
20	Voltas	19th Nov	01	00	00	00	00	01	00
21	Sify	20th Nov	01	00	01	00	00	00	00
22	Persistent	27th Nov	02	01	00	01	00	00	00
23	BPCL	12th Jan	03	00	00	00	00	02	01
24	ICICI Bank	13th Jan	01	00	00	00	01	00	00
25	Godrej & Boyce	20th Jan	02	00	00	00	00	02	00
26	Geodesic	21th Jan	05	00	00	05	00	00	00
27	Caritor	5th Feb	01	00	01	00	00	00	00
28	Wartsila	20th Feb	01	00	00	00	00	00	01
29	Universal Consuling	3rd March	01	00	01	00	00	00	00
30	ESSR Group	10th March	06	00	00	00	00	04	02
31	Reliance energy	12th March	21	00	04	03	06	04	04
32	PMP Components	13th March	04	00	00	00	00	01	03
33	Polaris	17th March	07	04	01	00	00	02	00
34	BPCL	24th March	06	02	00	00	00	02	02
35	Sitel India	31st March	03	02	00	01	00	00	00
36	Unity	7th April	09	00	00	00	09	00	00
37	Shapoorji	14th April	05	00	00	00	05	00	00
38	Sameer	16th April	07	01	02	00	00	02	02
39	ICB Tecnimont	28th April	01	00	00	00	00	01	00
40	Simplex Piles India	8th April	08	00	00	00	08	00	00
41	Godrej Construction	11th June	01	00	00	00	01	00	00
42	M.S.E.B.	9th July	03	00	00	00	00	00	03
43	Bharat Bijlee	10th July	01	00	00	00	00	00	01
	TOTAL		238	43	41	47	30	39	38


THE JOURNEY

Editorial

Education is a tremendous opportunity today. Everyone seeks it but only a privileged few know the benefits of it. I am proud to say that engineers turn out to become the intellectual elite of our society. When it comes to technology and development, engineers are considered to be the best judges. But do we get rated for causes related to humanity and social acceptance? We must be known as good human beings first.

This years English section is like any other years. Nothing is different. Our college has forever produced great minds with some also being brilliant writers. Disha has been graced by some unforgettable articles over the years. And like every year, it was hard to choose the best articles to be printed in this years' English section due to the overwhelming response. But this year, the criterion for article collection was a little different. Simplicity was the major benchmark for selection.

In today's world, the use of technology cannot be denied. This is the age of the World Wide Web and there is a vast amount of information that can be explored just by the click of a mouse button. A crime has burgeoned out of this information, a crime known as 'plagiarism'. Some articles were disallowed due to the above reason.

Our lecturer, Mrs. Madhavi Gokhale unveils this section with her article called "Wear Cool Factor". This section would be deficient without her inputs. This is also the perfect occasion to be grateful to her for the help that she provided me with the editing of these articles.

Is music really the food of life? "Thank you Mr. Holland" is an inspiring piece that shows the necessity of music in an individual's life. For engineers with economic minds, we have "The 100 Billion Dollar Question – What does it mean?" and "The Currency for India". The latter discusses the proposal of a common currency for South Asia raised during the SAARC summit. There is a patriot in every one of us. "Pakistan Calling" describes the nimbleness of our soldiers and the efforts they put to keep us protected. The actuality of the potential destruction caused by nuclear weapons is discussed in "The Nuclear Age – Self Defence or Selfish Defence". A satirical piece, "India Shining" thrashes out the drawbacks of the previous centre government and the issues they ignored for the benefits of their own.

Religion and philosophy are the focuses of "The Essence of Mahabharata" and "The Philosophy of Human life" which talks about the life we live in a very simple and realistic way. Whether fact or fiction, some stories are told with a personal touch. "The Sweet Surrender" is a blend of many moods and thoughts which when incorporated reflect the true side of many women. The poetic collection is no less eloquent. "Break Free" shows the realisation of a previously broken mind. In comparison, "It" is the strength of a strong imaginary image that knows no boundaries and believes in its own might. "Lost Days" is a tired elegy of two soldiers and the war that did not matter.

The technical writings included "Fuzzy Logic" – the History of fuzzy logic, "Biometrics" – biological methods for recognition, "Thinking about Infinity", "Aircraft Propulsion by Jet Engine", "Networking and Net Not Working" – do's and don'ts of networking.

Finally, Disha is another year older and it was a privilege to be working for its success. I am thankful to Akshay Aras for editing the technical articles.

Have a jolly good read.

Amit Bhan
T.E. I.T. (A)
(English Editor)

The 'Wear-Cool' Factor

Fashions come and fashions go; taking in their relentless flow thousands of bewildered souls who spend hours trying to find what's in and then discover it's out before they have mouthed 'Ritu Beri.' At the receiving end is a mildly shocked parent who is still trying to come to terms with a curious discoloration on her son's jeans and the frayed, tattered fringes of her daughter's trousers- she is patronizingly assured that these are the rage today. The rage also extends to pants that have gruesome slits and unseemly patches which elicit sympathetic noises from the neighboring chachu: "Poor thing. Seems the father has been hit hard by recession."

The recession has hit the textile industry hard, too. This can be surmised from the observation that shops are selling very little cloth for a fortune. What other logic can explain away a sky-high price tagged on an itsy-bitsy piece of fabric called 'spaghetti-top?'

It is heartbreaking to see dynamic youth economize on the good, old roomy T-shirt. The capital T has been reduced to a small t with pathetic effect. The hapless beings (the fairer sex, in most cases) have to bear the rigors of weather (just try having your midriff exposed to the searing April sun and you will be praises for our resilient youngsters.) This coupled with economizing on haircuts by their gallant male counterparts results in their letting their 'hair down' with hair-raising results. Sometimes, long hair gets in the way. One of the long-locks clan recently lost some of his in the Bhayandar double fast; so a little ponytail makes an appearance. Throw in colored lenses and a faraway tinted look and you have the modern version of a young French lieutenant galloping away on his Kawasaki to college. No wonder they call History cyclic. We may go back to the days of the dhoti and lehenga with a global touch to boot- so do not be surprised if you see a youngster march the street in a denim half-dhoti and a lycra kurta with a big V-cut at the back (read economizing).

Compare fashions and the world of finance and an intriguing paradox emerges. Money is short but the number of pockets in the latest cargo pants just rose to 14. Inflation levels are rising but the same cannot be said of necklines. But trends in both are very difficult to predict- you never know when the minister may offer sops in an otherwise stringent budget, and correspondingly, you never know when those patches may be replaced by lustrous metal tassels; after all, the 'feel-good' factor also has a large part to play in India shining', right?

Mrs. Madhavi Gokhale
Lecturer: Communication Skills

Pakistan Calling

Having an armed forces background, I had the opportunity to travel to many places. Amongst them the most cherished one was a visit to Pakistan, well not exactly a visit but here it goes.

The tryst started some ten years ago at the Wagha border in Punjab. I was then a ten year old lad and had come to watch the daily spectacle of the simultaneous lowering of the Indian and Pakistani flags. This ceremony draws crowds from around the world and is really worth watching. Sharp at 6 pm the Border Security Guards and their Pakistani counterparts march up to the gates and literally kick them open. Their iron plated boots click with such unison as if causing a minor earthquake. From a distance I could see the Pakistani column, my first sight of the enemy. Dressed in green Pathan suits, brandishing AK-47s, and their turbans pleated as neatly as a pigeon's tail. Their lapels bore shiny brass armlets proclaiming "Indus Rangers" the name of their regiment; their spiral mustaches almost hid their whole faces except their eyes. The overall six feet frame completed the picture- an intimidating sight. And there came marching smartly to the tunes of the bugle shouting "jeeve Pakistan" alternately to "Mera Bharat Mahan" by our jawans. The marching columns came to the respective gates and halted. Orders were barked and a soldier from each side stepped out and pulled the strings lowering the flags precisely with the setting sun. Flags folded and they marched back with such arrogance that would have even put the enmity of Americans and Iraqis to shame. All finished as soon as it had started and I stood there openmouthed amongst the clapping crowd. As I turned back home I muttered saale Pakistani (the highest word in my vocabulary of obscenities then).

Eight years after, history repeated itself, this time in Jammu. 13 miles from this capital city lies the border post of R.S. Pura. As the car pulled up the road came into view a large hoarding which read "Borders and Bordermen are forgotten when the war is over." I pondered over this ironical statement and looked around; just fifty yards away from me on a tin watch tower flew the Pakistani flag. The officer in charge showed me treachous minefields which separated both the countries and casually asked "Do you want to cross over to Pakistan?" I was muted more of shock rather than amazement. "Cross over to Pakistan! Are you serious?" I asked .The officer replied affirmatively and went on to say that the soldiers aren't as bad as they are painted; it's the high offices on each side which makes things go wrong. After a short talk over the wireless with his counterpart he gave me the go ahead. Gathering courage, I walked towards the forbidden land .Soon I crossed the Indian Gate and then the white line which is called the no man's land symbolically separating both the countries and there I was in Pakistan . No passport, no visa, no custom frisking and I had walked to a foreign country, more than that into India's enemy no. 1. But there was nothing foreign about this country, the land felt the same, the air smelt the same, the sky was the same bright blue and moreover what I came to know later was that the people were the same. Suddenly from the Pakistani post I saw a sentry coming towards me. The same green Pathan suit, the same AK-47, the same headdress, the same lapels bearing the words "Indus rangers". As he walked I oscillated between fight or flight the latter getting more preference. He came near, raised his hand and greeted "salaam waleikum" and even though my vocabulary of obscenities had improved a lot the words I could only mutter was "waleikum assalaam"

Yugant Patra
BE Computers

Thank You, Mr. Holland!

On the 18 of November, 2003, Michael Kamen passed away. He was fifty-five years old.*

Most of you are probably saying "Michael Who?" I don't blame you - he wasn't exactly a celebrity, and definitely not one here in India. In fact, I don't know much about him either. A look at the Internet Movie Database tells me he composed the music for Mr. Holland's Opus, the Good, the Bad and the Ugly, the Lethal Weapon series, the Die Hard series, the X-Men movies, Robin Hood: Prince of Thieves among many other movies. His personal website, maintained in his memory, tells me about the music foundation he created to help kids learn and enjoy music. I could go on and on...

But Michael Kamen did more than that; he was responsible for showing me something I might have never seen with my prejudiced and biased opinion about music. I grew up on 80's pop music, which my sisters would listen to. Michael Jackson, Madonna, even the Pet Shop Boys and A-ha -I listened to them all, and enjoyed them. I still do. But somewhere down the line conventional opinions about different forms of music became a part of me —I considered Metal the land of music that consisted of only mindless noise and screaming drivel that it was portrayed to be, a common misconception that exists even today, especially among parents. I grew up to believe that Rock was only about Bryan Adams and Bon Jovi.... Van Halen was just some guy who made a cool ? video for the song 'Right Now.'

Then one week during the second Semester exams there was this excitement among my friends about 'Metallica' being all weekend on Channel [V]. On the inside I would shake my head and wonder, "How can people listen to such music?" Well, the weekend passed but the buzz didn't. I kept hearing the words ''SNM' over and over again- it transpired that it was actually 'S & M" that they were referring to, an acronym of 'Symphony & Metal'. Apparently, it was a concert that Metallica performed along with the San Francisco Symphonic Orchestra, and [V] beamed it in its entirety. Which also resulted in poor results in BEE for certain friends, as it was the next paper! Now, I was mildly interested. After all, it did say 'symphony' - how bad could it be?

I popped this question to my friends, who in unison suggested that I try out the concert CDs - "You'll like it", they said. Someone even added helpfully "Its not as heavy as you think, its really nice". Well, to use a clichéd phrase, I was blown away. Electric Guitars making music that was woven around violins and cellos, trumpets and trombones surrounded by drumming that sounded just perfect... by the time I reach the song 'Memory Remains' (number seven, first CD) and the crowd started singing "La LaLaLa....." I was hooked. At the end of the last song ('Battery') when Hetfield shouts 'Maestro Michael Kamen at the helm' I learnt who the conductor of the orchestra was, but not that the name meant anything to me at that time.

Since then I have also learnt that he, in fact, composed the song 'Nothing Else Matters' which is also performed by Metallica, and is arguably the most melodious song ever by a dedicated metal band. Not that I'm surprised. That the genius that was Kamen would make something that sounds so beautiful to one's ears (and that too performed by a band that specializes in thrash metal) would only be expected. If you've never heard a metal band, I suggest this song is the first you should try.

It was S&M that probably opened my eyes - and ears - to a phenomenal range of music that I simply cannot believe I've heard over past few years. I've given a go to genres that I did not know existed, from Industrial to Progressive rock to Power metal. It's the same open-mindedness that allows me to actually listen to a Hindustani classical music song today without dismissing it as boring music, and yes, even attempt watching more than two seconds of Britney Spears before pressing the mute button (hey. I'm not THAT open minded, but I'm still a guy!).

I guess a major thank you goes to Michael Kamen for creating one of the grandest collections of music ever, one that my friends tell me has only been outsold by Michael Jackson's "Thriller', which although was a great album by itself, was nowhere as path breaking as S&M. Symphony and Metal did not have much a precedent, and it will be impossible to better. Fifty-Five is too young an age to go, especially for someone who made such a difference to one guy's life.

But there is also another set of people I owe my thanks to, and this is not just the San Francisco Symphonic Orchestra. The guys - and a girl - in my class who passed tips on everything from Alanis Morissette (Thank You India!) to Porcupine Tree (yes, that is a band) to a German band called Rammstein (I cant even understand the lyrics but I love the music) to Dream Theater (I recommend Space-Dye Vest for piano lovers) and some weird stuff that I neither want to name nor do I want to listen to again! Of course, having a lead guitarist as one of my best friends and another chap with the weirdest taste in music did not hurt either... I owe this bunch of friends as much as I owe Michael Kamen. If it weren't for them, I'd be the same naive old me with nothing beyond Guns and Roses to listen to.

I'd love to end with Abba's "Thank You for the Music' but instead I'll just sign off with my index and little fingers raised, thumbs wrapped, arms raised with a shout of YEAH! (albeit in a heavily accented Hetfield voice) Thank you, Michael. Your memory remains.

Aditya Mandrekar
BE Electrical

With best compliment's from



Royal Construction

Civil Engineers and Contractors

17/6/2, Bhavani Nagar, Marol Maroshi Road, Andheri (E), Mumbai - 400 059

Lost Days

The birds flew past the ranch,
soldiers marched on.
Their feet thumped the ground,
their guns held still,
their minds carried a mental picture,
a torture that they had to suffer.
But they marched past the lines
with their guns held still.
A shot heard
at a distance, the war had begun.
One cried and could not finalize
the pain he was about to relate.
He sat down with his gun on the ground,
the tears didn't help him face.
The enemy was there,
the end was near for this soldier's race.
Another day for this one.
Killed and carved his name
on every enemy he'd kill.
Blood was flowing through his veins
and anger was on his face.
How dare they do this to us?
How dare they even try?
The end was near for this soldier
and still he didn't cry.
Everybody suffered and died
the season of peace had long gone
the soldiers were drawn into battle
with lost minds and lost grounds.
The birds still flew past the ranch
and the soldiers still marched on..

Rajeev Chhajer
TE Computers

'It'

Hidden in a deep corner of my heart,
Is a faith that knows its belief.
Shimmering like a star in my eye,
Is a dream waiting to explode.
Breathing silently in my heart,
Is a heartbeat taking every breath away.

Vagaries of the wind cannot astray it
The most fearful tornados cannot take it
away
For it is where it should be,
A stalwart placed in the highest tower
A jewel adorned by the lady herself
A shining sword placed in its sheath.

I admire its immense strength
I am aware of its vigor.
But it has become a victim of time
Led into a sinuous road
Unable to find its way back
How, then, will it reach its destination?

Not to worry, my savior has arrived
Riding on a handsome horse
He will rescue it
From the clutches of time
He will guide it to the garden of love
A place where 'it' is destined to be.

Rajeshwari Chakravarty
TE Electronics

The 100 Billion Dollar Question: What does it mean?

With the foreign exchange reserves well over the $100 billion mark (109 billion, week ending 12'h March 2004), the obvious questions for the layman are, "What does it mean for the country? Where are we with respect to other countries? What is its significance? Where did all this money come from? Is it the government's money? What can the government do with it? Is this build-up in reserves sustainable? Are there any possible negatives?" This article tries to answer some of these questions.

Barely a decade ago the government was mortgaging gold and actually physically depositing it in the vaults of the Bank of England in London to avoid default on external payment obligations. In 1991 Indian forex reserves had dipped below $1 billion. Since end-March 1991, India's foreign exchange reserves rose by around $94 billion. At the same time, the country's external debt rose only $20 billion. Hence, the surge in forex reserves is something of a matter of pride for the nation, one of the first things to urge the government to start its 'feel-good' campaign. However we stand a poor fourth in Asia with the miniscule Taiwan (with more than 300 billion) comprehensively beating us for the third position.

The forex reserve implies a greater investor confidence in India. It also allows the corporates to borrow at finer rates in the international market. The forex reserves curb the rupee volatility, which gives the government the freedom to experiment with the fiscal and monetary policy. It provides the government liquidity, acting as a safeguard from arm twisting tactics of the developed countries, allowing the government to protect the nation's interests in the international market.

As a result of this surge in reserves, Moody's currency rating has improved the rating of the Rupee from 'negative' to 'stable'. The burgeoning forex reserve has allowed an advance repayment of loans to the tune of $ 5 billion from various countries and institutions. The Government's confidence is visible from the fact that it has decided that it will accept aid only from certain countries. In addition, the government has become an aid-giver giving aid to Afghanistan and promising $10 billion to Iraq. The government can also liberalize it control over the Rupee, as it can exert more influence on currency markets. It has the option of allowing the Rupee to appreciate to its full value (The RBI keeps the Rupee undervalued by 5-15 %) which will make imports cheaper. However this serves as a disincentive to exporters, who get a lower value for their goods.

The sudden rise in forex reserves in the last fiscal year has been due to a large number of reasons. There has been record tourism. The good monsoon has boosted foreign institutional investor's (FII) confidence bringing in a large amount of foreign exchange. With the ITES sector taking off, service exports have increased. In addition to these, the traditional exports have been maintained. However, the largest contributors to the reserve have been the NRIs, whose remittances account for more than half the amount. (The Pravasi divas' seem to be working.) This money, along with the FII money does not belong to the government.

As regards the sustainability questions, noted economist N Chandra Mohan says," Yes, if there is greater outward-orientation and exports boom as never before. Yes, if such exports exceed the over-

all import bill." Too many ifs for comfort, isn't it? The sustainability of reserve accretion cannot be addressed without a view on the behaviour of the current account of the Balance of Payments (BoP). With the invisibles like tourism and service sector growing, it looks like BoP will stay positive for some time. A lot, however still depends on FII confidence. If American economy revives and promises higher returns, they might decide to withdraw their money.

There are certain negatives associated with, if not the reserve itself, the structure of the sources of the foreign exchange. The remittances that constitute a major part of the forex reserve are investments of NRIs in government securities. The government is required to pay interest on this, and hence must invest it in some profit making enterprise. It is difficult to invest such a large amount in such a way. This also means that at least this part of the reserve cannot be invested in infrastructure projects.

It is now upto the government to utilize this resource wisely and not, as has been done previously, convert it into a non-performing asset. The amount is a huge one, and the government has a large amount of options of how to use it. I hope Lady Luck also keeps smiling, so that us Indians have more reasons to feel good.

Mayank Singhania
BE Electronics

India Shining

Most of you would have come across the 'India Shining' ads in the past few months. These ads seem to suggest that India is on a roller coaster ride of development and the future is very bright for all of us, fortunate Indians. The only purpose of writing this article is that I am unable to come to terms with this phenomenon. Now, hold it before you start telling me that I am one of those pessimists from old India with a defeatist mindset, who cannot believe anything good about India. I would like to clarify that this is just an attempt to check whether the jingoistic celebrations of 'shining India' are justified?

The people, who are shouting from the roof-tops about the progress of India, claim that the main reasons are the growth in economy and the booming market. They point out that overall the economy has grown by 8% over the last year and share markets have almost doubled during the past few months.

Well, figures can be very misleading if not examined properly. Lets see some more figures. During 2002-03 manufacturing grew by 6.1%, services by 7.1% and agriculture by –5.1%. The figures for this year are 7.1%, 10% and 8.9% respectively. It is clear that this year's spectacular 8% growth is mainly because of agriculture which grew by a whopping14%. This growth in agriculture is because of good monsoons this year. The atmosphere in the markets was quite gloomy before the rains and suddenly everything changed. So here again it's God's grace rather than our efforts. And is everybody sure that there is no Harshad Mehta or Ketan Parekh hiding somewhere?

The relations being forged with our neighbors make me delightful. I am as delighted as I was after the Lahore Declaration and the Agra Summit, both of which were followed by a Kargil war and the attack on our Parliament respectively. I am also overjoyed with both the countries taking active part in sports with each other since I always believed that sports would never help us resolve the Kashmir problem and therefore should not be muddled up with politics.

India has now developed world class highways and the communication revolution has taken over. This makes me proud but to reach those highways I have to travel by roads of my city which are full of potholes that are big enough to bury me (believe me those roads have already dug graves for many). The telecom revolution has made communication possible in the remotest parts of the country, parts where electricity is still a problem and drinking water is not available for many families.

Internationally recognized agency has predicted that if everything goes well, India will be a developed nation by 2050. The basis for this belief is the young population of India. They believe that the sheer dynamism of young people will propel the nation in the developmental orbit. What can I say now, the report says it itself. If everything had to go well with India, it would have during the past 57 years. But they have managed to flatter me because I am also one of those dynamic young Indians that they are talking about. But what do they know about 'us'? We are so self-centered that we couldn't care less about the nation. We have lost our sensitivity towards social matters. We are go-getters and for getting what we want we don't care about ethics or morals. Our patriotism is aroused only while watching cricket or for some while watching Hindi movies. We will leave this mess of a nation at the first opportunity. Of course, not everybody is as cynical as me but then how will you provide for so many young people. If such huge energy is not channeled in something constructive then you needn't be an astrologer to predict the consequences.

On a positive note, I would say that the intelligence of Indians can be appreciated since they find opportunity in the unlikeliest places and marvel at the engineering like the fake stamp paper issue. (the fake paper is better than the real thing) Also the cooperation among the criminals, politicians and cops is something to learn from. Then, there are so many honest people to look up to like that engineer, oh! What's his name, some Mr. Dubey (you see, it's so difficult to remember such names, although we remember each and everything about film stars and cricketers)

The I.T. field has become the driving force for our country. There are states like Andhra Pradesh to look up to which has become the cyber state of the country. (It's another matter that the same state has the maximum number of farmers committing suicide). Also, India is planning to send a manned mission to the moon within the next five years. (We can afford it, although we can't afford to feed everybody in this country).

'India shining' is not the truth. It is a daring lie by our politicians for those people who always tend to see the glass as half full. A proverb says, "The grass is always greener on the other side." Look at the other side...

Santosh M. Gharjale
TE Mechanical

I Wish...

I wish I knew.....
I close my eyes and see your face,
My heart thinks about those lovely days,
I wish I knew, I only knew,
How much I would miss you.....
The lazy walks on lonely roads, with the moon shining high,
And all of a sudden, the dark damp clouds would cover up the sky;
I wish I knew, I only knew; it was our last walk in the rain,
I would have asked the time to stop and roll back again...
The blissful evening, the cooling breeze, the long way back home,
Your charming face, those teasing eyes, in my mind still roam,
I wish I knew, I only knew; It was our last drive,
I would have talked, a lot in vain, to just be alive.
The stupid jokes, the crazy remarks, the nonsense that you talked,
The fight we had, and then we laughed, till the house rocked;
I wish I knew, I only knew; it was our last laugh together,
I would have had the patience to listen, and have teased you rather.
The long talks, the secrets shared, sitting in laze,
I should have guessed the reason for your reluctant ways;
I wish I knew, I only knew; it was our last day together,
I would have expressed my love to you, my thoughts I would gather.
The teary eyes, your mellow tone ; the last 'bye' to me,
'Crazy' I thought, the passing words were just 'Miss Me?!'.
I wish I knew, I only knew,
It was your last look I'll ever have...

Komal Mehta
TE Information Technology

The Nuclear Age: Self-defence or Selfish Defence?

Science has advanced rapidly in the twentieth century. A large number of inventions ha made to enhance man's life. The computer has been called by many as the greatest boon to hu This age is rightly called the age of science and technology. The use of nuclear energy h successfully experimented before for constructive purposes. Until the early 1980s, science wa for the benefit of mankind.

In recent times, however, certain powerful and industrially developed nations excitement, have started carrying out the manufacture of lethal nuclear weapons for their de large scale. They have misused atomic energy to invent various weapons, which are increasingly dangerous day-by-day, and are involved in regularly testing the same. The whee energy has now spun the destructive way. Have we have entered the new millennium to 'nuclear age' for our future generations? Anyone who is probably desperate for a Third would pursue doing so.

Today, in History and Economics, we discuss political, social and economic inequali disparity would soon be a part of them. The former three imbalances belong specifically But nuclear inequality is not intra-national. It's a dilemma on the global scale. Righ Russia and Japan, which are amongst the most influential nations, possess about ten nu each. But the United States of America leads the way with as many different types as to a each year of a century. This has inevitably led to an arms race. As a result, many develo such as India and Pakistan are being drawn into it. Today, even Sri Lanka is dev weapons. Only, we are not aware, because they haven't been test-fired. Also, most imp to open our eyes. Why? ...because Sri Lanka may be our immediate neighbour, but no foe.

Once you possess sufficient weapons to invade the Gulf nations, topple th plunder their gold and oil, it somehow becomes essential for developed nations t terminate the development of nuclear weapons in the third-world. Sanctions wer motherland, right from heavy industrial machinery to imported nuts and bolts, in re the Indian government smartly banned only the poor old can of Coke. Every India despite our so-called 'third-world' standing, we are one of the most populous cou today. Only one in every ten thousand of us consumes Coke; yet when Coke was b Coca-Cola Company lost a substantial part of its Asian market. India is Coke's s investment today after China, with sales jumping 24% annually. That is the real re are always lifted, sooner or later. It is not the new-found international repute portrayed by the PM's office, but the sheer bargaining power of our enormous p

After 1996, India conducted three nuclear tests, followed by a couple n Development of sub-kiloton hydrogen bombs had begun in India in the 70s, Gandhi, and they were ready for use by 1987. These were only waiting for offici UN for over a decade, only to be tested ultimately without the requisite conse

content about such testing while others felt it was a political move by the government to reinforce support in Parliament. On the other hand, the government had its own claims about the necessity of maintaining the independence of the country by strengthening the defence, and this will always remain a controversial matter. However, such incidents stigmatize the immature minds of innocent children, especially when popular news channels, local as well as international, generate much hype and go out even into schools to conduct opinion polls on the issue.

As an after effect of India's nuclear explosions, a violent sandstorm was witnessed in most parts of the country, a week later. The world has already experienced the hazards of dropping an atomic bomb each on Hiroshima and Nagasaki in Japan. The radioactive emissions as a result of nuclear explosions are seriously harming nature and our environment. There is nothing worse than the fact that their effects are observed even after many decades. Temperatures across the globe have risen rapidly over the past twenty years. The monsoon arrived very early last year due to the heat wave over the Gulf waters during the War. It is a short-term sense of delight that in effect provides a greater insight into the increased levels of nature's irregularity.

Often, the testing of nuclear-capable missiles by our 'Feel Good' neighbours is sidelined by trifling arguments about their low target range. Matters are sought to be played down by the condescending attitude that the Ghauri or the Ghazni are in fact copy-pasted from North Korea's armoury. The icing on the cake is when the tests are quoted as being hoaxes. However, no dictionary on the planet says that if Pakistan fired one of its non-native missiles, our people would not die!

It is easy to test-fire on Caribbean Isles off the mainland, keep PoWs in Cuba and launch attacks in Vietnam and Iraq on the other side of the globe. Until Canada and Mexico threaten national security, Uncle Sam will not realize the nitty-gritty of dealing with nuclear-equipped neighbours who share common borders. It would be better if all the nations of the world would put an end to the current arms race and use nuclear science in an efficient manner. Also, it is imperative that this should be done soon or the entire world would, perhaps, be in serious trouble!

Akshay Aras
TE Information Technology

With best compliment's from

A to Z Enterprises
Prime Minerals & Agencies

E-2, Parasrampuria Apt. 1,
TPS VI, Milan Subway road No. 1,
Santacruz (W), Mumbai - 400 054.
Tel. / Fax : 2615 5428, 2615 5399
Direct : 5604 6714

Marbal / Greanite / Stones
SUPPLIERS & CONTRACTORS

Understanding LOGs

The ubiquity of LOG or logarithm in our student lives makes it imperative for all of us to know it! (and note without using a calculator) An easy concept for "kuch LOG" may not be so for "kuch dusare LOG". Let me share with you anaLOGs which came up during my quest to understand the LOG.

After all the sLOG till our 12th we come to engineering looking forward to four years of understanding and excelling in our respective fields. The amount of time we spend like LOGs on the last benches pretending to hear the professor's monoLOGue or the way we copy assignments after LOGically understanding them help us towards this aim and of course in understanding the concepts of LOG easily.

I decided to know more on the subject A colleague of mine Mohan now considered a sinoLOGue on mathematical tricks and who uses LOG as a powerful tool, has won the affection of a certain friend! Curious I asked him if LOG helped? "I owe it all to LOG", he said and the story unfolded. "It was not easy", Mohan revealed. He had to spend hours with MANTISSA explaining to her the LOGic of LOG. Boy, was she impressed! The monoLOGue thus turned to a diaLOGue. On probing further about the how, what and where Mohan coyly replied, "As in LOG it is important to derive the CHARACTERISTICS of MANTISSA to give favourable results. In other cases though it would be preferable if the subject is not imaginary."

Still not too clear I decided to take an opinion from a friend in IT. "Oh! I just created an IEEE LOGin.", he proudly told me! "I am even putting a direct link on my webLOG" .....and he went on.....I decided not to cLOG his or my thoughts further and just smiled.

The concept still eluded me. I decided to read about it and headed to the library. After hours of search I chanced upon an epiLOGue which read:

Wherever u go, LOGs in your path will lie,
Shaking your ground, you think on whom to rely;
Rise o child, don't lie forlorn,
Some things are better not fully known.....

Content and hungry I left the place with a smile on my face.

Sunanda Prabhu-Gaunkar
TE Electronics

The Sweet Surrender

"...And I won't go down with this shame;
I won't put my hands up and surrender.
There will be no white flag upon my fort,
I'm in love..."

As this latest Dido song flitted in the background, I listen to it and leave a long sigh. No. It wasn't an innocent sigh out of fatigue or boredom; it was more like a vicious malediction. This wasn't happening, I think.

It has been three years in college so far. Everything is just prefect. The perfect kind of subject to study, perfect kind of people around; It is all so right. I have made myself aloof from people and transformed myself into a person, who is not at all easy to get along with. Everyone finds it hard to bear me, which is much to my delight. Things just cannot get any better. And then the nightmare is realized. He comes along. We strike a chord somehow. I see that he is very popular, so totally unlike me, I think. The universal axioms of opposites attracting comes true once again. I realize I have found my match. As unwillingly as ever, I find myself getting sucked deeper and deeper into the fatal cesspool of attraction. It was like a quagmire, the more you try to get out of it, deeper is the entrapment. The feeling was mutual, I could plainly see that. Any fool would. But again, the old cliché is applicable here too. Though the whole world knows, you know, the feeling of the unspoken between the two fools who fall for each other, causes such unspeakable and lethal agony, that it finally comes out as "The Confession". But this is just where the tale takes a twist.

Though I've said that we were opposites, we are actually similar in many respects too. After the initial chord struck, we openly declared our feelings for each other, by ignoring and avoiding each other. You may be a little confused here. But here were two people who wanted to assert their strength over the other, waiting for the other to crack. Now you know what I meant when I said that I had found my match. It was truly survival of the fittest here.

I have made my mind iron strong, though my mind feels as heavy as lead. He had thrown in 0the gauntlet, and I had picked it. Both of us know that the confession will come sooner or later, but by whom is the big suspense. One thing is clear though, none of us are yielding into the temptation of doing the obvious, so easily.

When people nurse a special feeling for a certain somebody, all they want is the right moment to let go off their feelings. But here, it's so the opposite. Each of us is trying to taunt the other to make the confession. Everything is fair in love and war they say. I do not know whether this is love or war, but I'm not surrendering so easily. It took me years to build this fortification, and I'm not going to let it come under siege so soon.

Next day, I go to college reluctantly. I have a sense of impending doom. I see him. I try not to notice him. But I can't help it. I see that he has easily overlooked me. "Don't give up yet", I try to console myself weakly. The day in college is horrible. The sense of doom still looms large about me.

Finally, it's time to go home. I prefer walking alone. I think about many things. I'm quietly enjoying the pleasures of college campus and the balmy evening sun. I'm glad that I am not thinking about him. Just as I'm about to rejoice, I become aware of a painful yet familiar presence. The clouds of impending doom obliterate my thoughts. I turn back cautiously. It is him. He smiles at me. I just stare blankly in return. He calls me by name and asks to wait up. I ignore it and look ahead and walk. I know he will come tagging along...and he does. Suddenly, I start to feel important.

As he comes up and walks besides me, he talks about all that has happened today. I know he's just talking gibberish so that I don't know what's happening behind the scenes. He knows that I'm not listening. I look up to him and...make the "Confession".

This is the moment of revelation. It is so sudden, that even I am shocked. I have lost the war. He looks at me with a look of acknowledgement and quiet triumph. I know what, he wants to say in reply. There is a twinkle of victory in his eyes. "The Confession" had come finally. I had long thought what it would be like, after this. But it is nothing like I thought it would be. The very fact of being a loser in this war was so fulfilling in itself, that I curse myself for having made this an issue of a petty (albeit pretty) ego clash. I feel a burning hand upon mine, which allays all fears, even the non-existent ones. It dispels all clouds of doubt and doom. I look upto his tall figure beside me and want to tell him, "I won". But I can't look into his big, brown eyes. I look down and smile. It was really the sweetest surrender.

Tiksha Kaul
TE Electrical

Break Free

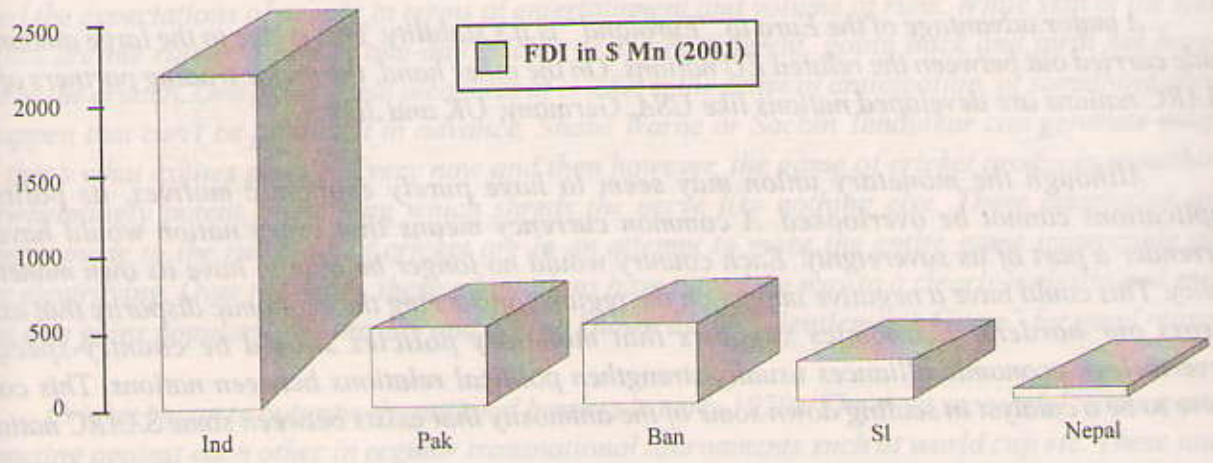
Don't be handcuffed by what you foresee
Frost that sack full of memories
If you can arrest now and today
Even your shadow will be autonomous.
No more rolling dices
For it's not a game of backgammon
Luck can be locked in your cupboard
If only you have the key to blossom.
Life is a boomerang
Throw happiness to be happy
Spill determination to be successful
And you'll never need a bookmark for the book of your life.
Kill the questions that haunt you
Let the reasons surface instead
Use your mind as a knife
And cut through the lines of your palm.
You owned nothing when you came into this world
'He' won't allow you to take anything when you depart
So just break free from your cage
For all that matters is You, Yourself and I.

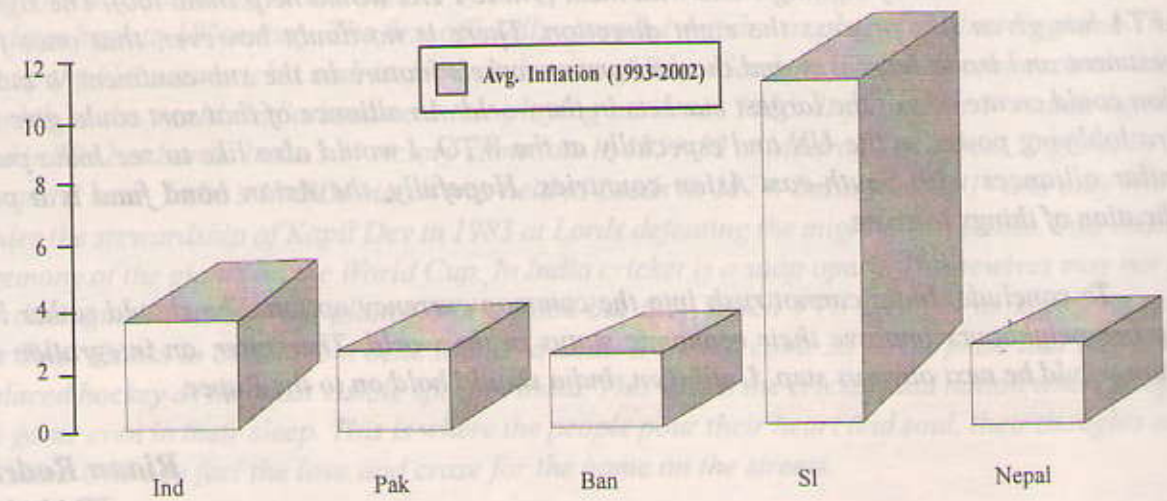
Rajeshwari Chakravarty
TE Electronics

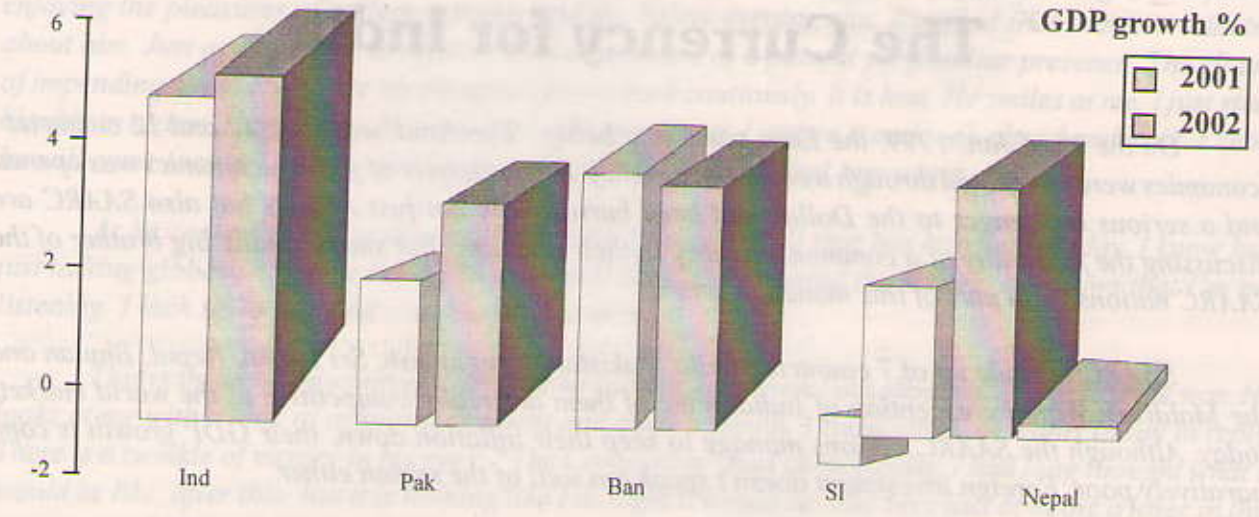
The Currency for India

On the 1st of Jan. 1999, the Euro came into being. 'Euroland' was created and 12 countries' economies were integrated through a common currency. A new chapter of global economics was opened and a serious challenger to the Dollar had been born. Today not just ASEAN but also SAARC are discussing the feasibility of a common currency in their domains. But should India, big brother of the SAARC nations, be a part of this monetary union?

SAARC is made up of 7 countries-India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan and the Maldives. With the exception of India, none of them are really competitive in the world markets today. Although the SAARC nations manage to keep their inflation down, their GDP growth is comparatively poor. Foreign investment doesn't speak too well of the region either.







A major advantage of the Euro to "Euroland" is it's stability. This is due to the large amount of trade carried out between the related EU nations. On the other hand, the major trading partners of the SAARC nations are developed nations like USA, Germany, UK and Japan.

Although the monetary union may seem to have purely economic motives, its political implications cannot be overlooked. A common currency means that every nation would have to surrender a part of its sovereignty. Each country would no longer be able to have its own monetary policy. This could have a negative impact on the region considering the economic disparity that exists across our borders. Economics suggests that monetary policies should be country-specific. Nevertheless, economic alliances usually strengthen political relations between nations. This could prove to be a catalyst in scaling down some of the animosity that exists between some SAARC nations.

To put it bluntly, India would be digging her own grave if she were to share a currency with her SAARC neighbours, at least for the moment. The SAARC nations have to increase trade amongst themselves, must bring down their fiscal deficits and improve domestic infrastructure. India could help with economic aid and by signing FTAs with them (These FTAs would help India too). The signing of SAFTA has given this process the right direction. There is no doubt however, that once foreign investment and trade increases and the consumer markets mature in the sub-continent, a monetary union could create one of the largest markets in the world. An alliance of that sort could give us that extra lobbying power at the UN and especially at the WTO. I would also like to see India pursuing similar alliances with South-east Asian countries. Hopefully, the Asian bond fund is a positive indication of things to come.

To conclude, India cannot rush into the common currency option. She should rather look to help her neighbours improve their economic status in the world. Thereafter, an integration of this nature would be next obvious step. Until then, India should hold on to the Rupee.

Riaan Rodrigues
TE Mechanical

Cricket: The Golden Age

What could be more global than cricket? The world's leading professional players and boards play no mind to national borders, with major teams banking revenue in every major currency available in the foreign exchange and billions of fans cheering their champions.

The true birthplace and origin of cricket is a topic of great debate and speculation. The game gained popularity and was documented beginning the mid 1700's. There are several theories that try to explain and expose the actual home of cricket but they all lack concrete evidence to support their claims. But cricket as of today is generally believed to be an English game.

The game of cricket has undergone massive transformations in last 30 years. One major innovation in global cricket was the introduction of limited overs one day cricket against the traditional five day format. This has naturally made cricket more result oriented and exciting. One-day cricket has raised the expectations of people in terms of entertainment and volume of runs. While skin of the teeth finishes are the raison d'etre of one-day cricket, tests are different, going back and forth but barely right to the crunch. One of the great pleasures of cricket is the sense of anticipation, of something about to happen that can't be predicted in advance. Shane Warne or Sachin Tendulkar can generate magic and that's what excites people. Every now and then however, the game of cricket produces something overwhelmingly potent, something which shreds the nerve like nothing else. These adaptation and changes made to the rulebook of cricket are in an attempt to make the entire game impeccable and more electrifying. Over the years, these adaptations have paved the way to a clearly majestic and great sport that gains popularity by the day and is ergo known as the "Gentleman's Game" for good reason.

Cricket began to outgrow the national borders in early 1970s. The most successful teams started competing against each other in regular transnational tournaments such at world cup etc. These tournaments are a fans' dream. The chance to see blockbuster fixtures that bring an unprecedented gate receipts and an enormous infusion of television revenues. Cricket is the most popular sport in South Asia. Tens of millions if not hundreds of millions of people follow the sport via TV, radio and print media, their hearts beating to the rhythm of every ball delivered, every run scored In India cricket history dates back to 18"century. The first officially recorded match was played against England. Then they set up the Calcutta cricket club in 1792 at the site of Eden Gardens. Today it is the second oldest cricket club in the world. India became a test-playing nation in 1926. It played its 1st match against England in 1932 at Lords. India's 1st victory came late in 1951-52 at Madras. India beat England by an innings and 8 runs. India's 1st ODI match was held at Leeds in 1974. India won its 1st and only World Cup under the stewardship of Kapil Dev in 1983 at Lords defeating the mighty West Indies, thus ending the hegemony of the giants on the World Cup. In India cricket is a soap opera. Housewives may not be able to distinguish between the glance and a hook but they watch VVS Laxman as keenly as they observe Tulsi thanks to bubblegum belle Mandira Bedi. It should come as no surprise that this game has replaced hockey as the most visible sport in India. This is still the cricket mad nation where people talk the game even in their sleep. This is where the people pour their heart and soul, their thoughts and imagination. One can feel the love and craze for the game on the streets.

It is ironic that cricket for all its one-worldliest features does not emanate the power to end hostilities. A tangle of intense emotional loyalties, political tensions and economies endures. Local hostilities, even the bitter memories of colonialism ought to be the easiest sort of legacy for global cricket to erase. Cross country rivalries are off course a staple of sports but such rivalry represents something more than the enmity of proximity. It is the unfinished fight over an issue dear to every nation. While patriotic sentiments dominate the game, India-Pakistan, Australia-England are rather existential enemies. The message rings all the more true today For Indians, an English team is like any other team (sans Pakistan of course). India-Pakistan game generates more patriotic fervor and more heat on both sides of the border. When India plays Pakistan, it's all about war paint, drum beats and national anthem. It may bring out the best in our teams but often the worst in us. When India toured Pakistan in March-April it's was never just cricket. Already there is news of a TV network dubbing this encounter as LOC (Lions of Cricket) series.

While India might not be on the same pinnacle as Australia and South Africa, which have changed the nature of the game, it has been without an iota of doubt that India is the soul and spirit of the game. While this nation —where cricket transcends all realms of passion, thereby transforming itself into a religion, can lay claim to have produced some of the best batsmen in the world, the greatest batsman post Bradman era being Sachin Tendulkar. There is no disputing the fact that he has constructed a pedestal of his own in the pantheon of cricket greats. The stage doesn't get bigger than the world-cup and Tendulkar produced innings befitting the magnum opus. For drama, spectacle and high degree stroke play Tendulkar's swash buckling stroke play against Pakistan was peerless in 2003 World Cup. He launched an assault so severe that the world's best bowling attack was found wanting for an answer. His strokes were breath taking in their audacity and inspired in their execution. When he was out two short of his century, he had already written the obituaries of Pakistan and only the formalities were left to be performed. He's a cricketing Labrador: sleek, agile, willing, panting enthusiastically for more.

As someone who has an interest in watching cricket both on the field and TV, I find that cricket has become an ambassador of peace and charity. The best way to play this game is to enjoy the other's success and have compassion for those who are not successful. You enjoy people's success around you; that is crucial for any player in a team sport. Even better, you can associate with and help people who have never even had the chance to experience what it is going to work in front of seventy thousand people at Eden Gardens or MCG, the passions of whom are brimming. At the end of the day you're convinced that no number of biographies, no volumes will ever reveal much about the most special of men this game has produced: Vivian Richards, Allan Border, Sunil Gavaskar, Wasim Akram, Sir Garfield Sobers etal all geniuses of one of their kinds, each master of his craft.

If there's one thing cricket has taught me, it is that cricket as life itself is a game for small and simple minds. There is one credo, one maxim that follows: the magic of bat on ball will never die. A fascinating and important lesson.

Ajay Tikoo
SE Information Technology

Essence of The Mahabharata

The Mahabharata (composed between 300 BC and 300 AD) has the honor of being the longest epic in world literature, 100,000 2-line stanzas (although the most recent critical edition edits this down to about 88,000), making it eight times as long as Homer's Iliad and Odyssey together, and over 3 times as long as the Bible. Only about 4000 lines relate to the main story; the rest contain additional myths and teachings. In other words, the Mahabharata resembles a long journey with many side roads and detours. It is said that "Whatever is here is found elsewhere. But whatever is not here is nowhere else."

Vyasa says that the purpose of writing the Mahabharata is to engrave dharma on the hearts of men. In the Bhagavad-Gita, Krishna says: "Whenever righteousness (dharma) becomes lax, 0 Arjuna, and injustice (adharma) arises, then I send myself forth to protect the good and bring evildoers to destruction; for the secure establishment of dharma, I come into being age after age. ... I was born to destroy the destroyers." The Mahabharata does not depict the conflict between the two sides as a battle between right and wrong. The Pandavas are not perfect, and several who fight for the Kauravas are truly noble, such as Bhishma, Drona, and in some ways even Karna.

Each rule of war is eventually broken by the Pandavas: Bhishma is shot by Arjuna when he lays down his arms before Sikhandin, Arjuna kills Jayadratha at "night" when Krishna darkens the sun, Arjuna shoots Karna when unarmed at Krishna's urging, Bhima crushes Duryodhana's thigh by hitting below the waist.

Duryodhana accuses Krishna of unfair conduct, but Krishna responds with two defences: that it was his own deceit at dice that began this conflict, and it was in order to defeat a greater evil. Duryodhana bitterly replies that the Pandavas could never have won without cheating, to which Krishna agrees; right does not always triumph by ideal means. Krishna tells Yudhishthira "There are limits to the extent an individual can be moral in an immoral society. Sometimes one protects dharma by for getting it."

In the Bhagavad-Gita, Arjuna fears that acting out his own dharma as warrior will conflict with universal dharma: how can killing family members be good, and not disrupt the social order? Herein lies an unresolved conflict in Hinduism between universal dharma and swadharma (an individual's duty according to caste and station in life). A warrior must kill to fulfill his duty, whereas a Brahmin must avoid harming any living creature. Even demons have their own castes and swadharma, which may run counter to human morality. One person's dharma may be another's sin. This doctrine distinguishes Hindu thought from religions such as Judeo-Christianity and Islam which teach universal or absolute moral codes.

Yudhishthira's battle cry: "Where dharma is, there is victory." But contrast Karna's lament at his death that his righteousness did not make him victorious "Knowers of dharma have always said, 'Dharma protects those devoted to dharma'. But since my wheel sank today, I think dharma does not always protect."

After the dice game, Draupadi challenges the men by asking, if Yudhishthira lost himself first, then by what right did he wager her freedom, being a slave himself? When even the wise Bhishma cannot resolve the question, she says, "I think time is out of joint. The ancient eternal dharma is lost among the Kauravas." In his dying speech, Bhishma tells Yudhishthira that in the fourth age of kaliyuga (our present age), "dharma becomes adharma and adharma, dharma." Somewhat paradoxically, he continues, "If one fights against trickery, one should oppose him with trickery. But if one fights lawfully, one should check him with dharma ... One should conquer evil with good. Death by dharma is better than victory by evil deeds."

The Mahabharata still exerts a marvellous influence over millions of Hindus. The lustre and high renown of these brilliant personages of Mahabharata has not suffered a diminution, in spite of the ravages of cruel time. Their character was untainted and sublime. Hence their deeds also were admirable, laudable and sublime. Determination has ever been the key to success in the lives of great men of all countries. Heroes would not move an inch from the path of their duty when they are called upon to perform it. They were fiery in their determination.

The noble and heroic grandsire Bhishma—who had control over his death and who was unconquerable in war even by the gods—still inspires us with the spirit of self-sacrifice, undaunted courage and purity. Yudhishthira is still a model of justice and righteousness. Remembrance of his very name generates a thrill in our hearts and goads us to tread the path of truth and virtue. Karna still lives in our hearts on account of his extreme munificence and liberality. Karna's name has become proverbial. People even now say, whenever they come across a very generous man, "He is like Karna in gifts."

Arjuna was the bravest of all the five Pandavas. Arjuna had got Draupadi by winning in the selection match and he had defeated the Kauravas on several occasions. He was a devoted friend of Sri Krishna who had him married to his sister Subhadra, even against the wishes of his elder brother Balarama. Sri Krishna assisted the Pandavas in the great war on account of Arjuna and by acting as his charioteer, led him to victory. Even now, we admire Arjuna as a perfect man and worship Lord Krishna as our Protector and Saviour. Whenever we are in trouble and distress we pray to Him, "O Lord! Save us just as you saved Draupadi and Gajendra in days of yore."

The message of the Mahabharata is the message of Truth and Righteousness. The great epic produces a moral awakening in the readers and exhorts them to tread the path of Satya and Dharma. It urges them strongly to do good deeds, practise Dharma, cultivate dispassion by realising the illusory nature of this universe and its vainglories and sensual pleasures, and attain Eternal Bliss and Immortality. It induces people to do what Yudhishthira did and abandon what Duryodhana did. Stick to Dharma tenaciously. You will attain everlasting happiness and Moksha. This is the final purport or central teachings of the Mahabharata.

Ashutosh Wakure
SE Mechanical

The Last Lap

I'm not a believer in destiny. But the circumstances that led to my getting into SPCE warrant a second thought into whether I should or not. You see, I first secured admission into one of the little colleges in New Bombay, thanks to a (comparatively) lower PCM in my boards. But with a stroke of good fortune, the government decided to increase the number of seats in IT in a large number of colleges, and following the mad rush to IT that was the highlight of 2000, I found 9 seats vacant in SPCE Electrical in the final round in VJTI. Needless to say, I pounced on it - if nothing, for the reduced travel times!

But right now, my brain keeps telling me it just cannot be three and a half years since I joined college. It just doesn't seem to fit in. I surely have more fan-filled days ahead of me here? There can't just be one more Rose Day and - horror of horrors - my own BE Farewell left?!

Speaking of Rose Day, I never got around to giving that pink rose to this girl in my class that I had a crush on - and its no use giving it to her right now, we're 'good friends'.. - I also do know that my classmates are going to go nuts trying to figure out who she is (and its not who you think!), but hey, that's the fun of it!

But even though I never got around to giving that rose to her, I have experienced more or less everything that engineering has to offer, from submissions that went well into the PL, to my KT in Sem IV, to sleeping through lectures and to having watched a professor get electrocuted by a friend... Yes, being in Electrical does have its plus points, I bet you're regretting not having taken it up, huh?

Ah yes, like the time our results were out and in the relief of having cleared - yes all of us, for a change - we decided to go to Juhu Beach for a walk, bunking a double lecture. Except that one of us got stuck inside class when the professor walked in! This meant that we had to wait for a couple of hours down at the entrance for the prof. to finish and this particular friend to finally join us! We still went to Juhu Beach though, and the said professor, not very pleased with the lack of attendance declared that we wouldn't be allowed to sit for another lecture all semester.

On hearing which, we celebrated! Unfortunately the ban was amended to just one lecture, along with a stern warning to never do that again. Which we did not — at least not to the same prof.!

No collection of memories about college is complete without a full set of those from TechnoBreak and SPACE. Never mind those uh... situations that might have occurred towards organizing the fests - there are far more silly anecdotes to relate!

Like, for example, 'Twist the Tune'. For the past three years my class has put up the same entry for this event in TechnoBreak. The same guy. In SE he sang one song to the tune of another. In TE he sang the second song to the tune of the first. In BE he did a medley of the two. His efforts did not go waste, he did come third in SE. And ***first*** *in both TE and BE!*

In fact our efforts in saving negative points have been comic to say the least. For us it always was a mass coordinated affair, with various people scanning through the timetable all through the day, and deputing teams of people to put up token appearances in all kinds of events which did not seem to have an official entry from our class. I will not venture to comment about the quality of those performances - especially the dances, but they did provide some entertainment to the onlookers...

Ah yes, dances. The first time I stepped on stage, I danced. Me, and my two left feet. This was BE Farewell, circa 2001. We didn't have a Freshies Welcome that year due to the delayed admissions, so we had to perform here. For some inane reason I volunteered to do a Bappi Lahiri (yes. I'm suited for the job, I know) and then the guys from Comps coaxed me into putting in a guest appearance in their dance on 'Lift Kara De' as - you guessed it - Adnan Sami. For the longest time any senior who passed me in a corridor would be humming the first few bars of the song and giving me a broad grin...

And now it is almost three years to that same day, when I walked onto the stage and made a complete idiot of myself and didn't even feel bad about it... and I find myself getting rather depressed thinking about all the fun we've had and that now we're going to walk our separate ways and all...

Not that it's been smooth sailing throughout. There have been painful times - and I'm not talking about that KT. It feels rather silly to think about arguments and differences we've had over the past few years, it just seems rather inconsequential in the face of all the fun we've had and the friendships that have been built so far.

And I can't claim to have had the best of professors all through my years here either. I certainly don't intend flattering my faculty by reminiscing on how they were so wonderful in teaching me the fundamentals of every subject I've ever had to learn, for that would be an outright lie. Instead I am grateful that although not all my professors have been the most knowledgeable ones, they have been the most approachable. The lack of fear in marching up to a professor and asking doubts point blank is something I would not trade for the best teacher in the world.

So it is with a weird feeling that I say Goodbye to everyone. Friends from other classes, whom I came to grudgingly appreciate, even after wishing for their utter failure in inter-class matches. Juniors, who are at times a pain in the... neck, and yet are cool in their own special way. Classmates, whom I cannot do without, at least most of the time. Profs, who have been quite considerate and understanding (my apologies for sleeping through lectures, I was awake all night writing this. I will find better excuses for the other semesters of sleeping through class later). And this college, which taught me how to live, how to survive and maybe there was some education there as well.

Adios, old friend. I will miss you.

Aditya Mandrekar
BE Electrical

The Philosophy of Human Life

God created the 'donkey' and told him, "You will work from sunrise to sunset and carry heavy load on your back. You will eat grass. You will not be intelligent and you will live for fifty years."

The donkey answered, "God, fifty years will be too much for my poor back. Give me just twenty." God accepted his wish.

Then God created the 'dog' and told him, "You will be a guard for life. You will be a man's best friend. You will eat whatever he gives you and you will live for twenty-five years."

The dog answered, "God, living for twenty-five years is too much. Please give me just ten." God agreed.

God created a monkey and told him, "You will jump around from branch to branch and from tree to tree. You will do silly things. You will be amusing and you will live for twenty years."

The monkey answered, "God, living twenty years is too much. Ten years will be just enough." God approved.

Finally, God created 'man' and told him, "You will be the only rational being on this earth. You will use your intelligence to control other animals. You will dominate the world and you will live for twenty years."

The man answered, "God, twenty years is not enough for me to utilize my intelligence. Why don't you give me the thirty years that the donkey refused, the fifteen years the dog did not want and the ten years the monkey turned down?"

God granted man's wish and since then a man lives twenty years like a man. Then he enters adulthood and spends thirty years like a donkey, working and carrying load on his back and shoulders. Then when his children leave home, he looks after the home and eats whatever is given to him. After retirement, he spends ten years like a monkey jumping from house to house or from children to children, doing silly and childish things to amuse his grandchildren.

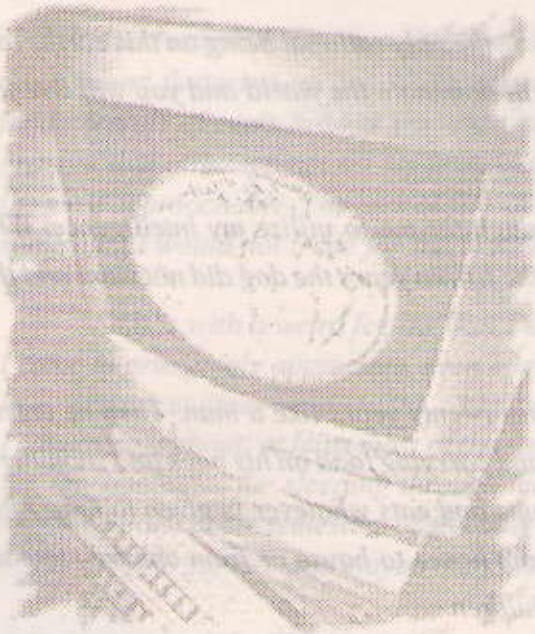
Jaison K. Mathai
FE Electrical

TATA





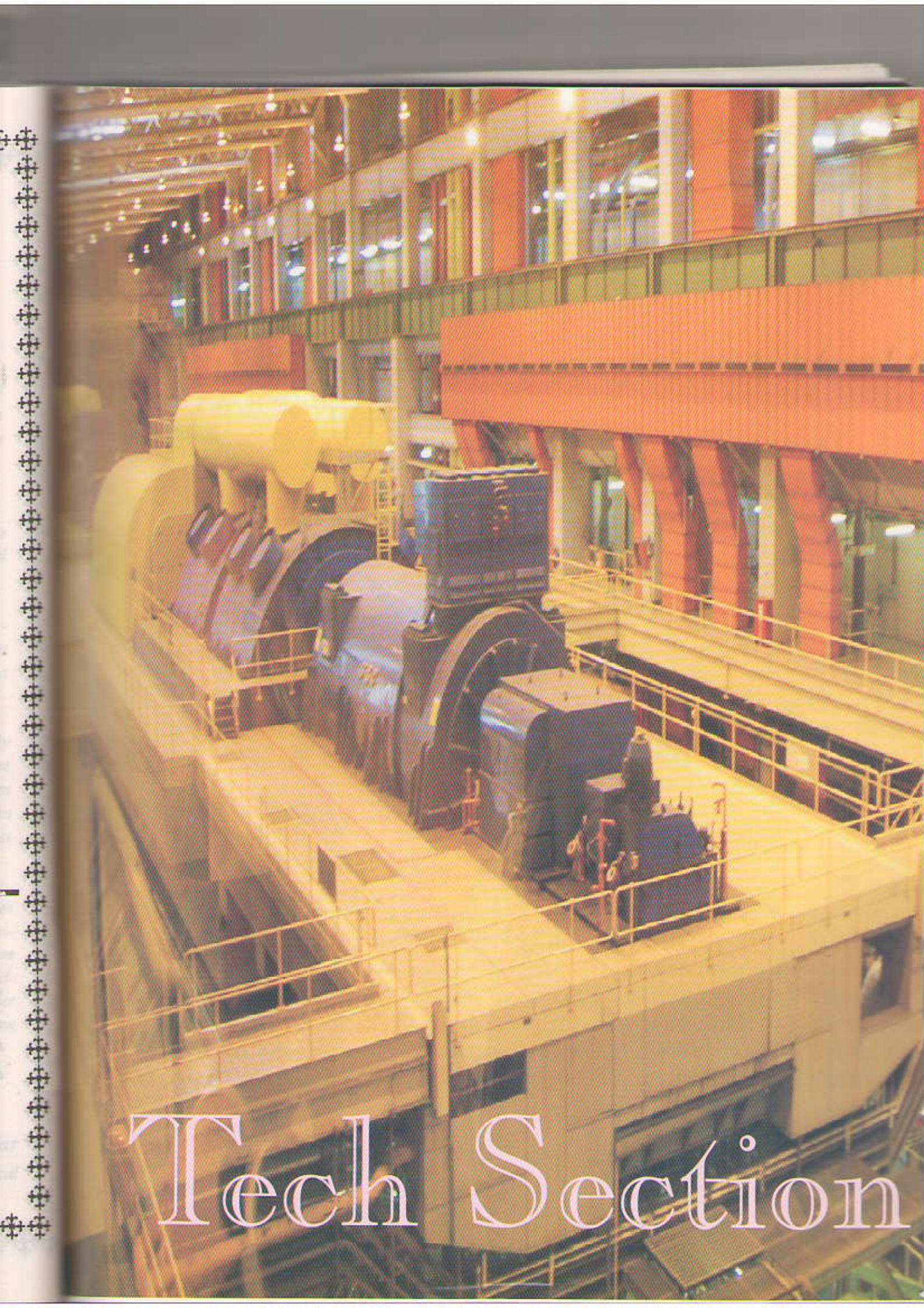
With best compliment's from



TCS

TATA CONSULTANCY SERVICES

Technical Event Sponsorer at SPACE


Tech Section

Achievement



Avadhoot Jathar *(T.E. Electrical) and*

Prof. M. M. Shah

(Vice-Chairman & In charge, Student Activities, Bombay Section).

Represented Bombay Section at Region 10 students Congress 2004, Hong-Kong on 16 - 18 July 2004. Avadhoot, alongwith the other representative Karthikk Sridharan (Vishwa Karma Institute of Technology, Pune) delegated a presentation on Integrating Activities at Bombay section'. The presentation included the details about present and Future IEEE Branch Level Student Activities at Bombay Section. It also proposed student related activities in future, to increase student level co-operation and co-ordination among the various branches of IEEE Bombay

.

Region 10 - student congress is held once in each two years. The Bombay Section representatives are also proposing to hold such Asia, Pacific Regional congress in near future.

NIRMITI, CEA - REPORT

Ah, to build, to build!
That is the noblest of all the arts.

These words of Longfellow cross my mind as I write this report as the General Secretary of the Civil Engineering Association (C.E.A.).The CEA was started with objective of encouraging an interaction between the industry and the students of the Civil Engineering Department.

We started off this year with a seminar on the works of Santiago Calatrava, a world renowned architect, by Mr. Shirish Patel of Shirish Patel and Assoc. It received an astounding response and was well appreciated by both students as well as the teaching faculty.

Another feather in the CEA's cap has been the organizing of a National Level Technical Symposium that we all so fondly call 'NIRMITI'. Since its inception two years back, NIRMITI has managed to carve a niche for itself as one of the most prominent Techfests to be held in the country for Civil Engineers. It is indeed a matter of great pride and honour for me to be at the helm of such a massive endeavour.

This year NIRMITI was held on the 12th and 13th of March 2004. It consisted of five events; namely Technical Paper Presentation (TPP), Technical Quiz (TQ), Structural Design (SD), Case Study Analysis (CSA) and AutoCAD. We had a tremendous response, with over 120 applicants from over 30 different colleges sending in their entries. The entries poured in till the last minute and we had a torrid time choosing the final 40 entries for TPP. (The original number was 25, but a change had to be made considering the sheer volume of entries)

The occasion was graced by Mr. Rajesh Gajjar, Chief Engineer, Bandra – Worli Sea Link Project, who incidentally turned out to be an ex-student of S.P.C.E. TPP was held over both the days in 4 sessions while the other events were conducted simultaneously. The Judging Panel consisted of H.O.D's of all Civil Engineering colleges in Mumbai along with the teaching staff from both Structural and Civil Departments.

In my tenure as the General Secretary of the CEA, I have learnt a lot from my interactions with the industry, my colleagues and above all my professors. The constant guidance and inspirational support extended to us by our HOD Prof Dr. S.Y. Mhaiskar, HOD Structural Department Prof. Dr. B.N.Pandya and our Staff-Coordinator Prof. M.M.Maniyar saw us achieve our aspirations. I would like to express my heartfelt gratitude to them. I would also like to thank all the teaching staff from both the Civil Department and Structural Department for their support and guiding us through various technical issues. A special mention has to be made of Mr. A.P.Kadam from the Civil Dept. and Mr. Khot from the Structural Dept. and other non-teaching staff who helped us throughout the event.

Also the support and efforts put in by our counterparts in PTDC is laudable. My special thanks to them and especially to Mr. C.V.Rao and Mr. Gowardhan for pulling us out of a tough spot.

Last but not the least I would like to specially thank my colleagues, Aniruddha Jawade (Chairman) and Mangesh Shinde (Treasurer), whose unfaltering efforts and sleepless nights proved to be a catalyst for the success of NIRMITI 2004 in particular and CEA in general. I also extended my heartfelt gratitude to the ever so hardworking Finance Committee, the enterprising Judges' Committee, the cool and composed Seminar and Reception Committee, the ever so patient Souvenir Committee, the organizers of various events and all those who worked hard to make NIRMITI – 2004 a grand success. A special note has to be made of our Chief Sponsors A.C.C. India Ltd., whose support and backing made us aspire of greater heights. Lastly the support extended to us by the BE's, TE's, SE's and FE's, especially the SE's has been a morale booster and I would like to thank them all for their cooperation.

Finally as the new academic year beacons us and new horizons rise to be conquered , we here at the CEA hope that our little endeavour 'NIRMITI' proved to be mellifluous flow knowledge and creativity and provided the industry with innovative ideas to help build a better and safer world.

Jayadatta V. Lad (T.E.Civil)
General Secretary
Civil Engineering Association 2003-2004

Fuzzy Logic

Many decision-making and problem-solving tasks are too complex to be understood quantitatively. How many times in real life do question allow answers as simple as 'true' or 'false'? Very rarely indeed! The idea of fuzzy logic dates all the way back to Plato who proposed that there was a third region between true and false - the uncertain. It took many centuries before this system was ever formalized. In the 1900s a man called Lukasiewicz proposed a tri-valued logic system. Later, Lukasiewicz experimented with four and five-valued logic systems, and finally proposed that an infinite-valued logic was no less plausible than a finite one. Finally, in 1965, Lotfi Zadeh published his work on what he called fuzzy logic - a part of set theory that operated over the range [0.0 - 1.0]. Fuzzy set theory, originally introduced by Lotfi Zadeh in the 1960's, resembles human reasoning in its use of approximate information and uncertainty to generate decisions. It was specifically designed to mathematically represent uncertainty and vagueness and provide formalized tools for dealing with the imprecision intrinsic to many problems. By contrast, traditional computing demands precision down to each bit. Since knowledge can be expressed in a more natural by using fuzzy sets, many engineering and decision problems can be greatly simplified.

Fuzzy logic is a superset of conventional (Boolean) logic that has been extended to handle the concept of partial truth; truth-values between "completely true" and "completely false". As its name suggests, it is the logic underlying modes of reasoning which are approximate rather than exact. The importance of fuzzy logic derives from the fact that most modes of human reasoning are approximate in nature.

Boolean vs. Fuzzy:

300 years BC, the Greek philosopher, Aristotle came up with binary logic(0.1), which is now the principle foundation of Mathematics. It came down to one law: A or not-A, either this or not this. For example, a typical rose is either red or not red. It cannot be red and not red. Every statement or sentence is true or false or has the truth value 1 or 0. This is Aristotle's law of bivalence and was philosophically correct for over two thousand years. Two centuries before Aristotle, Buddha, had the belief which contradicted the black-and-white world of worlds, which went beyond the bivalent cocoon and saw the world as it is, filled with contradictions, with things and not things. He stated that a rose, could be to a certain degree completely red, but at the same time could also be at a certain degree not red. Meaning that it can be red and not red at the same time. Conventional (Boolean) logic states that a glass can be full or not full of water. However, suppose one were to fill the glass only halfway. Then the glass can be half-full and half-not-full.

Clearly, this disproves Aristotle's law of bivalence. This concept of certain degree or multivalence is the fundamental concept, which propelled Zadeh Lotfi of University Berkeley in the 1960's to introduce fuzzy logic.

Fuzzy logic emerged into the mainstream of information technology in the late 1980's and early 1990's. Fuzzy logic is a departure from classical Boolean logic in that it implements soft linguistic variables on a continuous range of truth values which allows intermediate values to be defined between conventional binary. It can often be considered a superset of Boolean or "crisp logic" in the way fuzzy set theory is a superset of conventional set theory.

The major difference between fuzzy logic and Boolean (standard) logic is that possible values range from 0.0 to 1.0 (inclusive), not just 0 and 1. For example, you could say that the fuzzy truth-value (FTV) of the statement "Graham is tall" is 0.75 if Graham is 2 metres tall. To write this more formally:

$$m(TALL(Graham)) = 0.75$$

A formal definition of a membership function can be stated as a function that maps each point of fuzzy set A to the real interval [0.0, 1.0] such that as m (A (x)) approaches the grade of membership for x in A increases.

Since fuzzy logic can handle approximate information in a systematic way, it is ideal for controlling nonlinear systems and for modeling complex systems where an inexact model exists or systems where ambiguity or vagueness is common. A typical fuzzy system consists of a rule base, membership functions, and an inference procedure. Today, fuzzy logic is found in a variety of control applications including chemical process control, manufacturing, and in such consumer products as washing machines, video cameras, and automobiles.

Mayank Singhania & Saurabh Vartak
BE Electronics

WITH
BEST
COMPLIMENT'S
FROM

MATHEMATICA

Where Learning is Joy

**5, Batiya Bhana Manzil,
Padmabai Thakkar Road,
Shivaji Park,
Mumbai - 400 016**

KAPADIA'S TUTION CLASSES

GROUP TUTION
BATCHES

F. E. To B. E.

SAILENT FEATURES

- SMALL BATCH SIZE - PERSONAL ATTENTION
- EXPRIENCED FACULTIES
- ONE SUBJECT ONE PROFESSOR (i.e. PRIVATE TUTION)
- EXCLUSIVE & EXHAUSTIVE STUDY MATERIALS
- RESONABLE FEES.
- FEES ARE TAKEN SEMESTERWISE

FOR FURTHER ENQUIRIES PLEASE CONTACT

KAPADIA'S TUTION CLASSES
2 /29, JALARAM NAGAR,
GANJAWALA LANE, OPP. CHAMUNDA CIRCLE,
BOROVALI (WEST) MUMBAI - 400 092.

☎ 2893 4219, 2848 3141

Net-Working and Net-Not-Working

< The dos and don'ts for an I.T Engineer >

DOs:

1. *Start loving computers for what they can do for you!*
2. *Use computers for all the work you think you can do without them...Odd isn't it...But it will just make you an efficient computer user and most importantly a power user.*
3. *Look for 'efficiency' everywhere.*
4. *Maintain or always have a reference IT dictionary or an Encyclopaedia.*
5. *Always backup important data on a regular basis. This will save you many deadlocks and listless situations.*
6. *Join any IT newsletter group of special interest. There are hundreds of thousands of them online. (Make it a point to read them, not just stock them)*
7. *Find a new tech site everyday and read a little about what it has got to offer. (Become a tech-Hunter)*
8. *Find a new software every week and try to know what it does.*
9. *Make a short portfolio of the I.T big-wigs and maintain a track record of these companies*
10. *Keep an eye on Bill Gates!*

DON'Ts:

1. *Do not fear the 'blue screen' if you are using Windows.*
2. *Do not save critical information on your computer.*
3. *Do not dismiss/ignore hacking as a wrong thing. It forms the quintessential part of the information age.*
4. *Do not fear challenges in the IT field. Even if you fail, at the least, you will learn something.*
5. *Never neglect the "details" tab in any case!*

Saumil Jain
TE Information Technology

Biometrics

Post 9/11 terrorist attacks in the US, airports authorities and government agencies have been in a tizzy over balancing heightened security measures with practicality. One could theoretically perform a whole range of security checks on every passenger to be absolutely certain that there are no lapses, but with almost 65,000 flights taking off every day in the US alone, that would be a physical impossibility. Biometrics provides a quick, easy and accurate way to perform the security checks.

Biometrics literally means "measurement of the body"(bio-body and metrics-measurement). Biometrics is mainly used to identify or authenticate a person based on his characteristic physical & behavioral features. Authentication means to verify that a person is really who he claims to be.

Authentication can be based on 3 things

1. *Something you know*
2. *Something you are*
3. *Something you have*

Something you know is for example, your password. Something you have is a credit card. Although passwords and credit cards are used extensively today, they are not very secure as they are not directly connected to a person. They can easily be lost, stolen, forgotten, left at home or plain hacked!

Something you are is your fingerprints, your voice, your iris etc. You can't lose it, you can't give it away, and you can't tell your friends about it either. You yourself need to be at the access point to be let in, or use the computer, etc. So biometrics provides a near foolproof method for authenticating a person.

Authentication involves 2 basic steps:

The first step is called enrolment. That is, first your biometric data is extracted, captured and a template is created. This template is stored.

The second step is called verification. For verification, a new set of your biometric data is captured and a template is created. This template is then compared with the one already stored in the database to find a match. If the match is approved, the authentication is completed.

Biometric technologies can be classified based on the feature they use. These features can be the fingerprints, the geometry of the hand or of the face, the pattern of the voice, iris or retina.

Fingerprints and Fingerscans

Fingerprints are minute raised ridges on the palms. These ridges are not continuous. In fact they show a specific pattern called "minutiae" which is unique to each person minutiae pattern is captured by the scanner and stored as a template. Some scanners used are optical, capacitive and ultrasound.

Facial Scanning

Human faces also have characteristics that are unique to them. Typical acquisition sensor technology is a cheap camera. Typical features are measurements of some major facial components like eye socket extrema, sides of the mouth, cheekbone regions, etc. These are usually selected to be those that are not alterable by frowning, talking, smiling, etc.

Iris Scan

Iris recognition leverages on the unique patterns of the human iris for identification. A primary characteristic is the trabecular meshwork, a tissue that gives the appearance of dividing the iris in a radial fashion. Other visible characteristics include rings, furrows, freckles, and the corona. These visible characteristics are converted into a template and stored for future verification. The sensor used is a camera.

Retina Scan

The Retina is a thin nerve at the rear of the inner eyeball. It senses light and transmits impulses to the brain via the optic nerve. The Retina has a unique pattern of blood vessels that are used for biometric identification. Retina scan devices read through the pupil—this requires the user to position his/her eye within 1/2 inch of the capture device, and to hold still while the reader ascertains the patterns. The user looks at a rotating green light as the patterns of the retina are measured at over 400 points.

Voice Scan

Voice recognition is a biometric authentication technology well suited for a handful of applications and systems in which other biometric technologies would be difficult to use. Making use of distinctive qualities of a person's voice, some of which are behaviourally determined and others of which are physiologically determined.

The sensor used is a microphone. The features checked are qualities of the voice, for example the pitch, the modulation, the pronunciation.

Fingerprint scanning is the oldest and most widely used biometric technology. It has high accuracy and is inexpensive. Iris and retina scan are the most accurate technologies today, but they are very expensive and hence not feasible to be implemented on a wide scale. Voice scanning and face recognition are not very accurate. They can be fooled very easily. Hence they are not so popular as the above methods.

Biometrics is a great example of a high technology being used in day-to-day applications. It is already being used widely for authentication at airports, time and attendance control, passwords and login, bank transactions, access to confidential records like health reports and PC security. Biometrics as a field has a lot of scope for development and is bound to take over the security scene in the near future.

Smitha Pisupati
TE Electronics

Thinking beyond Infinity

Imagine a hotel with an infinite number of rooms, numbered 1, 2, 3, and so on forever. All the rooms are full. A man comes in and asks the desk manager whether any rooms are available, and the desk manager replies, "All our rooms are full, but I'd be happy to accommodate you." How does he do it?

The answer: *take the guest currently in room 1 and move him to room 2. Take the guest currently in room 2 and move him to room 3. And so forth. Put the new guy in room 1.*

Infinity + 1 is still infinity. There are just as many integers from 1 to infinity as there are from 2 to infinity. If any finite number of new guests show up at the hotel, you can accommodate all of them.

Now imagine the same hotel, same situation, all rooms are full, and an infinite number of people all show up at the same time and ask for their own rooms. Once again, the desk manager replies, "All our rooms are full, but I'd be happy to accommodate all of you." How does he do it?

Answer: *take the guest currently in room 1 and move him to room 2. Take the guest currently in room 2 and move him to room 4. The guest in room 3 gets bumped to room 6, and so forth. The guest in room N gets bumped to room 2 × N. Now take all the new guests and put them in the odd-numbered rooms that have just opened up.*

Infinity × 2 is still infinity. There are just as many even numbers as there are natural numbers, and there are just as many odd numbers as there are natural numbers. If you combine the set of the evens with the set of the odds, you get a set that's no larger than either of the sets you started with. If an infinite number of new guests show up at the hotel, you can accommodate all of them.

Actually that's not always true. I'm being lazy and using words poorly. The infinite hotel can only accommodate a countably infinite number of guests, now or in the future. If an uncountably infinite number of guests show up, you're screwed and most of them are going to end up sleeping on the street. But never mind that for a moment.

If this surprises or disturbs you, you're in good company. Galileo, after being sent into exile for being inappropriately right, accidentally discovered one day that there are as many perfect squares as there are integers. This surprised and disturbed him very much, and he quietly and probably wisely decided not to make a big deal of it.

Now imagine the same hotel, same situation, all rooms are full, and an infinite number of Infinity Tour Buses all show up at the same time. The tour buses are numbered 1, 2, 3 and so on forever, and each of the buses has an infinite number of passengers sitting in seats 1, 2, 3 and so forth.

The desk manager can still accommodate all of them by taking all the guests in room N and moving them to room 2 × N, then putting each of the new guests in room PS, where P is the (B+1)-th prime number, B is the bus number, and S is the seat number. Let me explain. The people in the hotel at

that time went to rooms 2, 4, 8, 16, 32, 64, ... Each bus received its own prime number, starting at three. So the first bus was 3's, the second 5's, the third 7's, the fourth 11's and so on, one prime for each bus. Then, as for the people on the bus, they all received powers of those primes. For example, the first bus was assigned rooms 3, 9, 27, 81, 243, and so on, powers of 3 (the N-th person on the bus was assigned room 3N). The next bus was assigned powers of five, so they had rooms 5, 25, 125, 625, etc., the N-th person being assigned room 5N. There were infinitely many primes, one for each bus, and an infinity of powers of each prime, so everyone had his own room.

Now the desk manager noticed that no one was in room 6 (= 2 x 3), nor in room 10 (= 2 x 5), nor in any room whose number was a product of two or more different primes, since these rooms were not powers of a single prime, and hence had no bus assigned to them. A quick calculation showed that there were, in fact, an infinite number of vacancies! Incredible! There exists an infinite hotel that was full, added an infinite number of infinities, and when all was done, there are still had an infinite number of vacancies!

The point of all this is that infinity is NOT a number, and—though there is a subject called "transfinite arithmetic"—you can't think in terms of doing ordinary arithmetic with infinity. The best way to think about it, is that infinity is a property that some sets possess. It can be defined an infinite set to be one which could be put in one-to-one correspondence with a proper subset of itself. It is this strange property that has been played with in this weird hotel tale.

Sunanda Prabhu-Gaunkar
TE Electronics

With best compliment's from

ALFA CONSTRUCTIONS

ARCHITECTS, ENGINEERS & GOVT. CONTRACTORS

72, Daimond Mansion,3rd Floor, 366/68,
Kalbadevi Road, Mumbai - 400 002.
Phone : Telefax : : (O).: 2205 1034 (R) : 2683 1508 (M) : 9820141217
E-mail : setco_jajoo@yahoo.co.in

Aircraft Propulsion by Jet Engines

The aircraft is a true symbol of these modern times. In fact, we usually refer to our modern age as the "jet age". Indeed, aircraft have had an undeniable impact on our lives. Aircraft have made the world a smaller place. They have revolutionized the way we travel, and they have played very important roles in all modern wars and conflicts. In fact, they have even changed the way we think about our world. The world wouldn't be the same place without these marvels of modern engineering and technology.

An aircraft is propelled through the air by its engines. Aircraft engines are of the following three types:

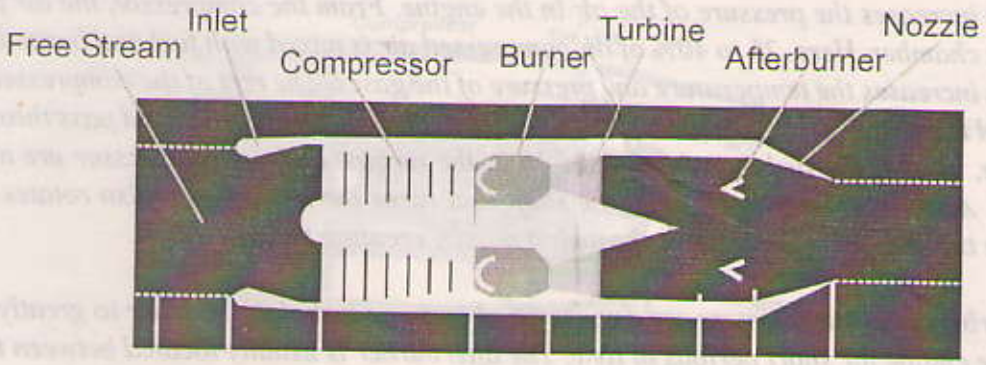
1) reciprocating engines (or piston engines),
2) jet engines, and
3) rocket engines.

Today, the jet engine is the most common device used for aircraft propulsion. In this article, we shall examine the working of a jet engine and discuss its various types in brief.

PRINCIPLE OF JET PROPULSION

The principle of jet propulsion can be described by using Newton's third law of motion, which states that for every action, there is an equal and opposite reaction. In jet propulsion, air pressure builds up inside the engine. The pressure is released in a powerful stream of jet exhaust. The action of this exhaust escaping from the rear of the engine gives rise to an equal and opposite reaction, which pushes the engine forward.

WORKING OF A JET ENGINE



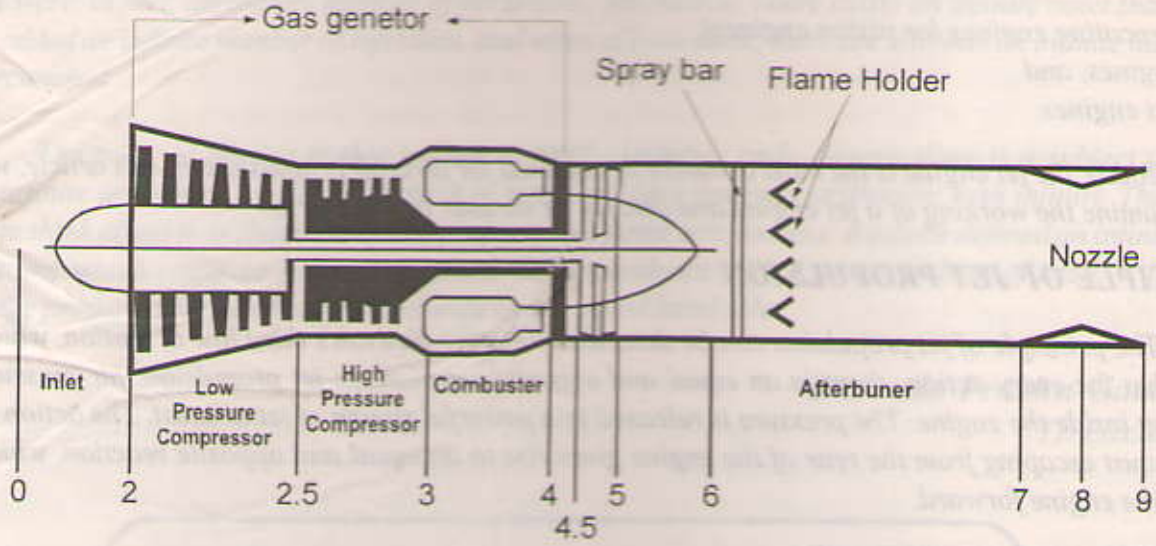
Essentially, a jet engine produces power by burning fuel in a combustion chamber. The combustion gases rush out through a nozzle, creating thrust. Air enters the jet engine through an inlet duct, and is compressed until its pressure is 3 to 30 times that of the outside air. The compressed air enters the combustion chamber, where part of it is mixed with a fine spray of jet fuel. This mixture of fuel and air is ignited, and it burns. As a result, a large amount of energy is released. The temperature of combustion is

usually around 1800 to 2000 degrees Celsius. The remaining compressed air is mixed with the hot combustion gases to lower their temperature slightly, and to cool the walls of the combustion chamber. The exhaust gases then escape through a nozzle, at a very high speed. The thrust produced by a jet engine is usually measured in pound or newton.

TYPES OF JET ENGINES

*Jet engines are of four major types: **turbojets, turboprops, turbofans** and **ramjets.** We shall now discuss each type of jet engine in brief.*

1) TURBOJET:

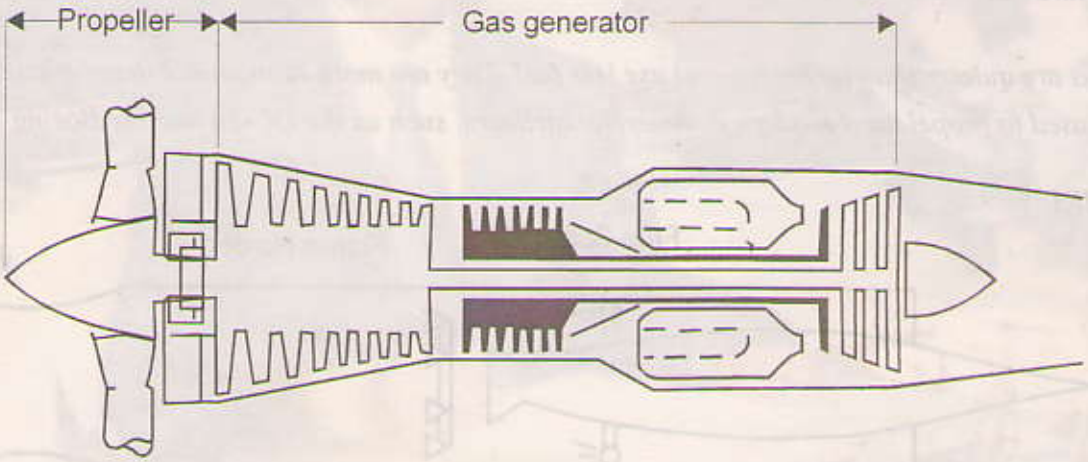


In a turbojet engine, the inlet duct scoops air into the engine and carries it to the compressor. The compressor increases the pressure of the air in the engine. From the compressor, the air passes into the combustion chamber. Here, 25 to 40% of the compressed air is mixed with fuel and burned. The resulting combustion increases the temperature and pressure of the gases. The rest of the compressed air is used to slightly cool these gases. The hot gases rush out of the combustion chamber and pass through the blades of a turbine, making the turbine wheels spin. Now, the turbine and the compressor are mounted on the same shaft. As the turbine wheels spin, the shaft that turns the compressor also rotates. After passing through the turbine, the gases escape through a nozzle, creating thrust.

Afterburners: Afterburners are devices fitted on some turbojets, in order to greatly increase the thrust of the engine for short periods of time. The afterburner is usually located between the turbine and the nozzle. Combustion gases leaving the turbine are still rich in oxygen. In the afterburner, additional jet fuel is mixed with the hot combustion gases and burned, greatly increasing the temperature. The energized gases then rush out through the nozzle, reaching very high speeds and creating large amounts of thrust. However, afterburners consume large amounts of fuel, and are used only for short periods of time. They are mainly used for steep climbs and rapid take-offs. Afterburners are fitted on the turbojets of fighter aircraft, such as the MiG-21.

Turbojets are used mainly on fighters. Examples of fighters fitted with turbojets are: MiG-21, MiG-27, etc.

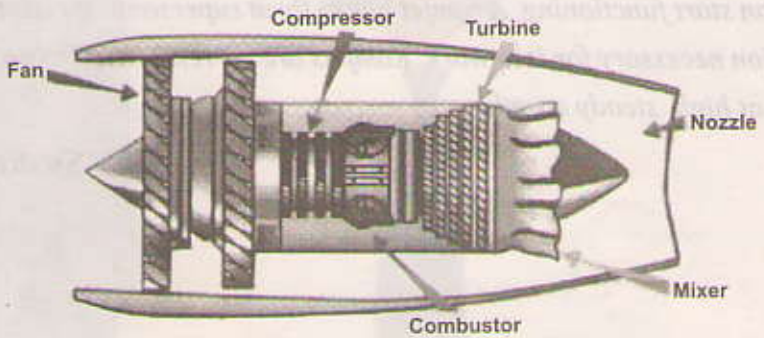
2) TURBOPROP:



A turboprop is a turbojet that uses almost all its power to turn a propeller. The compressor, combustion chamber and turbine are arranged in a fashion similar to that in which they are arranged in a turbojet. The turboprop also has a second turbine just behind the turbine that turns the compressor. This second turbine is called a power turbine. Combustion gases spin the power turbine, and this spinning motion is transferred to the propeller through a shaft and a gearbox. There is still a small amount of energy left in the combustion gases after they spin the power turbine. These gases shoot out of the nozzle, adding some jet thrust to the thrust produced by the propeller.

Turboprops run smoothly, and are reliable and economical. They are smaller and lighter than piston engines producing the same amount of thrust (or power). Turboprops are used on large transport aircraft. They are also used on small-sized and medium-sized passenger aircraft, such as the Fokker F-27 Friendship.

3) TURBOFAN:



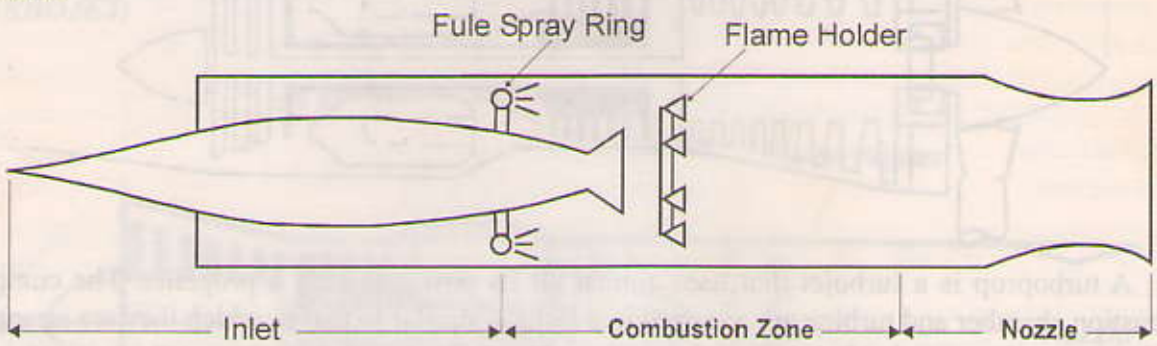
Turbofans are similar to turbojets, except that they have a large fan enclosed in a pod-like cover at the front of the engine. Part of the power generated in this type of engine is used to turn the fan. The fan is rotated by a turbine, which is similar to that of a turboprop. The fan forces a large volume of air back toward the engine. Part of this air enters the engine. This air is compressed, mixed with fuel, burned, and released as exhaust gases, to create jet thrust. However, the remaining volume of the air

Disha 2021

forced back by the fan by-passes the engine. This air is pushed back along the outside of the engine by the fan, creating thrust. By combining these two sources of thrust, a turbofan achieves some of the efficiency of a propeller-driven aircraft. At the same time, it shows high-speed performance similar to that of a turbojet

Turbofans are quieter than turbojets, and use less fuel. They are more economical than turbojets. Turbofans are used to propel most modern commercial airliners, such as the DC-10 and the Boeing 747.

4) RAMJET:



Working: Ramjets are the simplest jet engines. They have neither compressors nor turbines. Air enters a ramjet, and is slowed down in the inlet duct as it approaches the combustion chamber. This air is compressed by the ramming action of more air trying to enter the duct behind it. The compressed air passes into the combustion chamber, where it is mixed with fuel and burned. The hot exhaust gases rush out of the jet nozzle, creating thrust.

The main disadvantage of the ramjet is that it has to be brought up to supersonic speed by another rocket or jet engine, before it can start functioning. A ramjet has to fly at supersonic speeds in order to create the amount of air compression necessary for it to work. Ramjets are currently used to propel guided missiles, since they function best at high, steady speeds.

Sushrut Sanjiv Vaidya
TE Civil



Our Principal Dr. R. S. Mate



Our Vice Principal Dr. S. Y. Mhaiskar

Disha 2004

Student Council





Magazine Team

Space Core Committee





Technical Team



Judges & Decoration Team



Admin & Volunteer Management Team



Interactive Team

Disha 2004



Finance & Publicity Team



Security Team



Event-Co-Ordinators with C.E.C.



Pronite Incharge



The Musketeers from T. E. Civil



Lighting the Lamp of Inauguration



Even Anu Malik does not have a Computer for his Antakshari

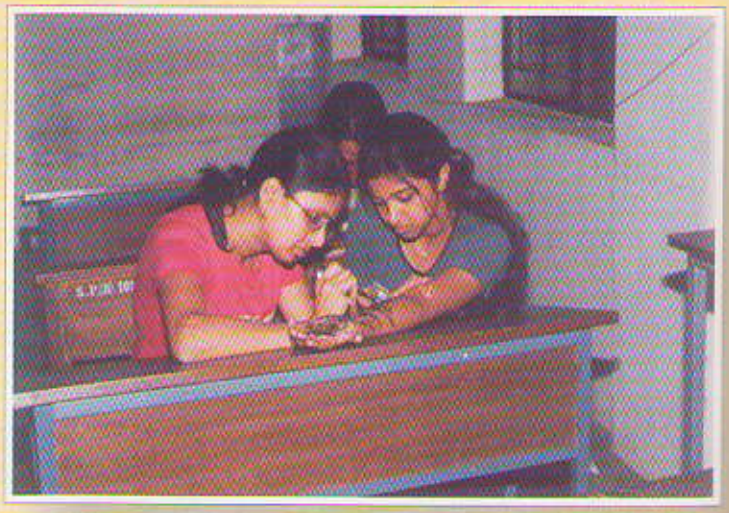


Personality Winners : Brains, Beauty & Brawn

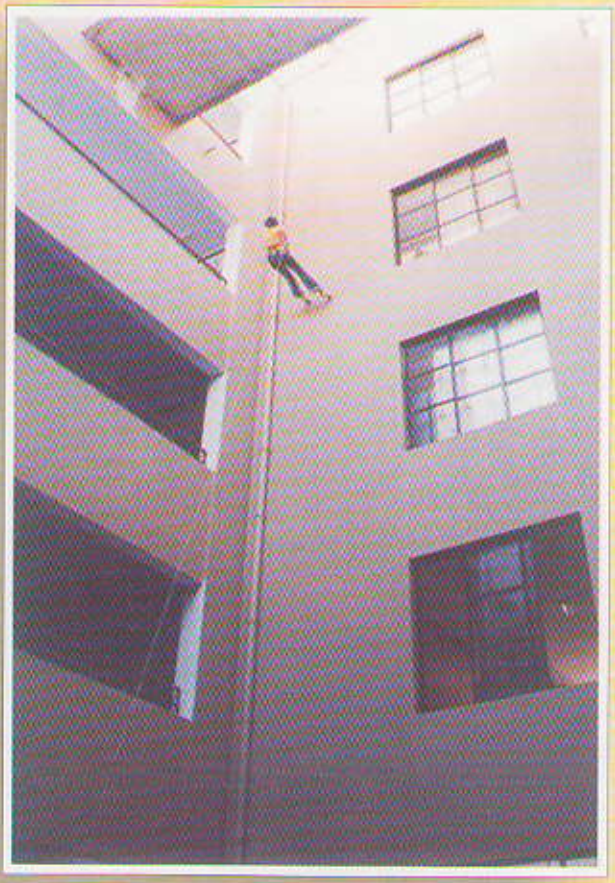


Robotics Jadoo .... Amazing Response !

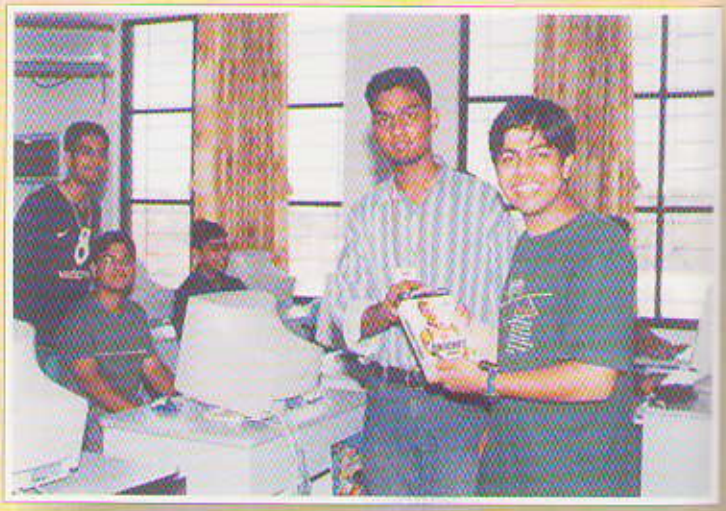
Disha 2004



Which hand will take the credit? the Right hand or the Left hand ?



19 Years and 50 Feet ...



E - Gaming Zone / e Game Gamble



Once again it comes back to us .... TSEC, winner, SPACE 2004



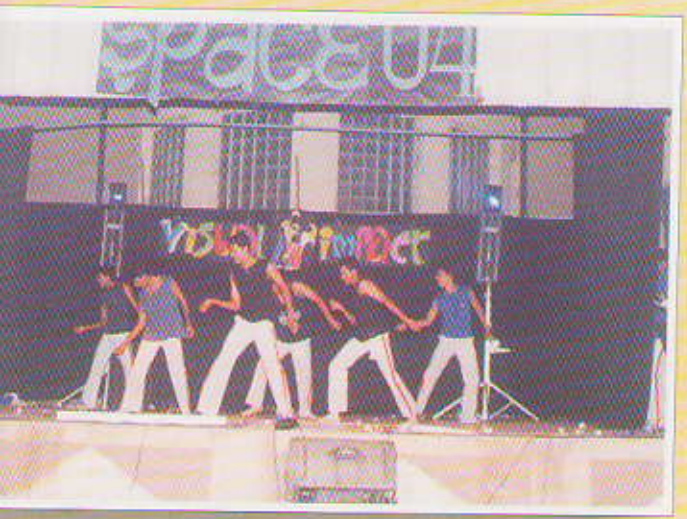
Palash enthralls the SENses



Euphoria



Crowd going wild !



Synchronizing Audio and Visual Impact

Disha 2004



Summary of the Evening



Mass Judging



Criticism or Compliments ???



To Judge ... Who is Better than the Best ?



Chief guest respected Shri P. S. Deodhar at 41st Annual Day



Ms. Rupa Menon, first in college and first in university in Information Technology the pride of S.P.C.E.



The Genius of Uttara Kelkar



The Strength and Support of S.P.C.E.



NIRMAAN Core Committee



Bhavaspandan Team



Badminton Team



Table Tennis Team

Various activities at S.P.C.E.



In their seat, all set, Ready.....

(For Alumni Meeting)



Informal start of a Formal Meeting



Who's Who ?



Lt. Prof. Shyamalee Solanki
co-ordinated
'celebrating India week program'
in Mumbai through NCC



rof. Dr. Mrs. Nandini Jog delivering
a lecture to ESA students
on Electroencephalography

Various activities at S.P.C.E.



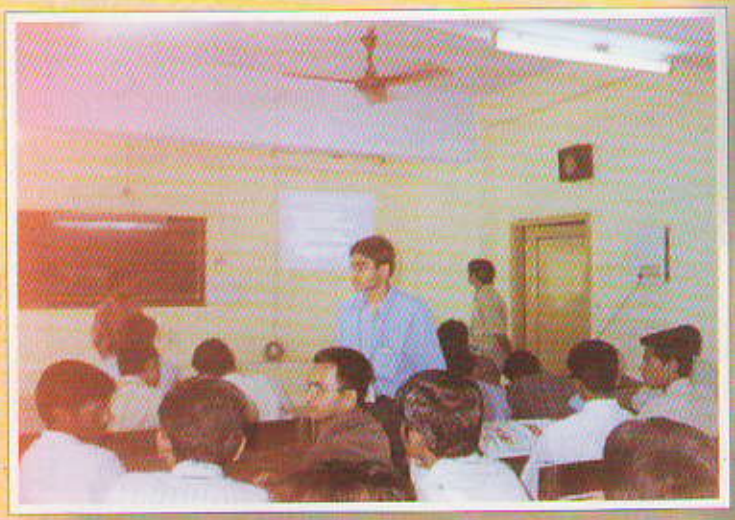
Prof. Madhavi Gokhale giving DISHA at EESA Function



The Audience..... All Ears !



Inauguration of IT SPICE ITSA News Letter



Mech Speak :- All India Paper Presentation Competition of MESA, S.P.C.E.



Jagdale Sir at a FACE Activity

Achievements



Winner's of Technobreak 2004 - B.E. I.T.



Harjeet Singh *T. E. (I.T.)*
Secured 1st prize as well as special award & trophy for 'BEST EXHIBIT' in youth class 1st Regional Level Philately (Stamps) Competition
MUMBAIPEX - 2003



Durga yashwant Janghare
T.E. (Electrical)
Silver Medal in International level Karate Tournament held in Nepal (Kathmandu)

Achievements



The Champions !!!

The Indian and Indo - UK Champs of BBC world's " University Challenge" conducted by Siddhartha B

(L-R) Nirad Inamdar, Shrijit Plappally, Geet Sethi, Bharat Jayakumar, Nishad manerikar

Indian Finals V/s ISB Hyderabad (110 - 105)

Indo UK Finals V/s Cambridge University (150 - 135)

The Champions won a trip to the UK !



Bhavna Sharma

F. E. (Civil)

Struck India's First

'GOLD MEDAL'

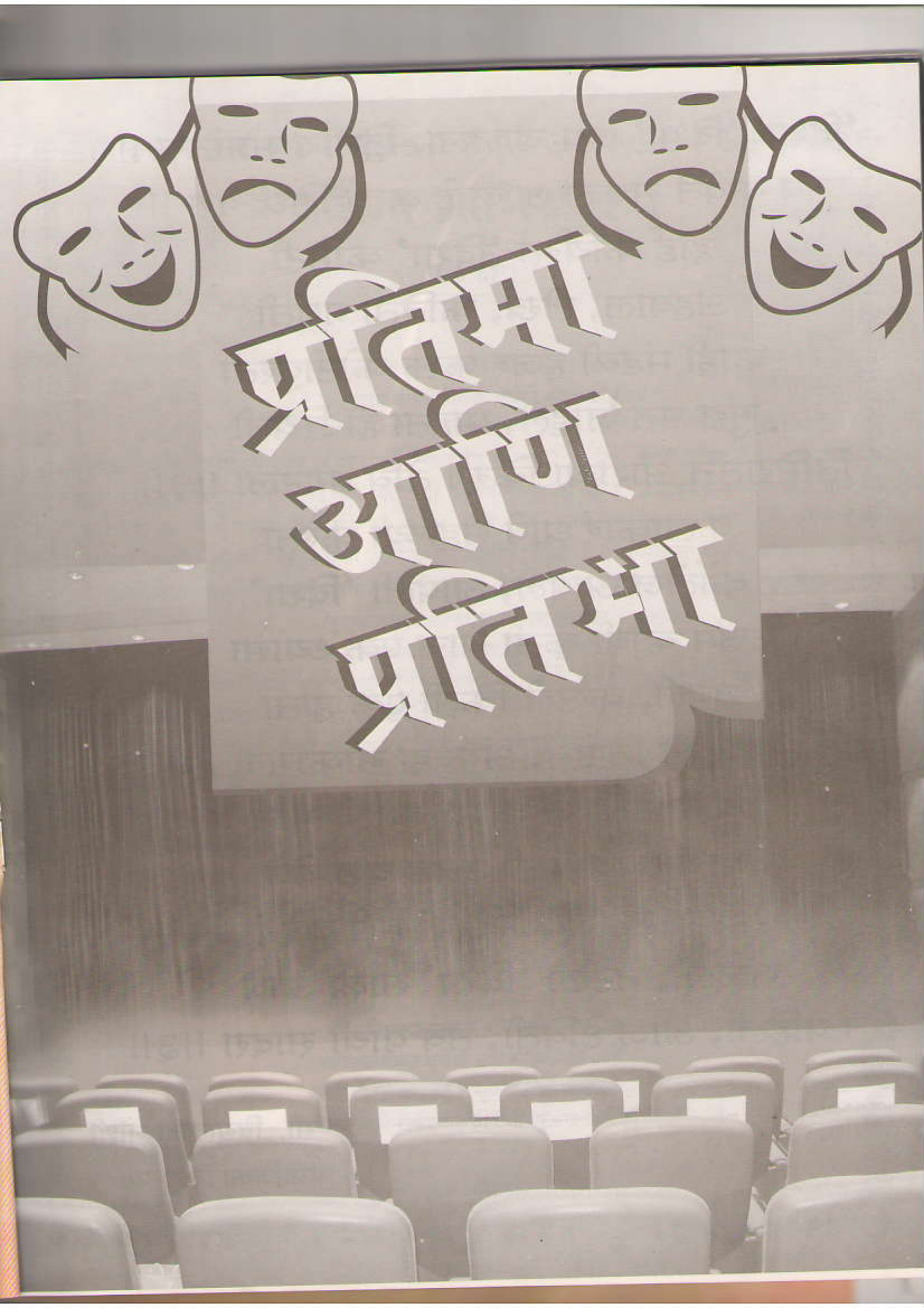
in Loom Breast Stroke event at

9th South Asian Federations Games 2004 *held at Islamabad.*

Thereafter she won ***'SILVER MEDA***

in 200 meters in Loom Breast Stroke event. In team events 4X100 meters medley relay won

'GOLD MEDAL' with New Reco


प्रतिमा
आणि
प्रतिभा

'दिशा' 'दिशा' जप चालला, द्वितीय सत्रांतरा ।।
तव कृपेने सफल आज हे कार्य सिध्देश्वरा ।।
होई कार्यरत 'दिशा' कमिटी
अहवाल, लेख, कविता गणती
काही मंडळी हजर फक्त फोटोपुरती
सुन्न मन जाहले, पाहता ही स्थिती
तिमिरातून आशेचा किरण तेवि प्रगटला ।।१।।
कलाकार धावे सहाय्या करता
कॉलेज आपले, आपली 'दिशा'
उत्तम व्हावी कृती याच एक ध्यासा
राबले, कष्टले किती एक हाता
व्रत आचरुनी निष्ठेने, अंक हा साकारला ।।२।।
घ्यावे हाती जे काम, करावे सोने
याच ध्येयापोटी उत्तम यश येणे
ऋण सर्वांचे, 'दिशा' वरी दुणे
सजली, नटली 'दिशा' सोळा आणे
प्रत पहिली, आज ठेवितो, तव पायी सादरा ।।३।।

सौ. विद्युल्लता जोशी
संयोजिका दिशा २००४.

प्रतिभा आणि प्रतिमा



बबन सहाने
(तृतीय विद्युत)



रविंद्र मुंजे
(तृतीय विद्युत)

संपादकीय

रामराम मंडळी,

'आम्हाला वगळा गतप्रभ झणी होतील तारांगणे
आम्हाला वगळा विकेल कवडी मोलापरी जिणे '

यावरुन कळून येतच की कलावंताला किती महत्त्व आहे ते. त्याचप्रमाणे आमच्या अभियांत्रिकी वंशातील कलावंत, लेखक, कवी इत्यादीं शिवाय येथील जीवन अगदी रटाळ होईल की नाही ? तर असो, यावर्षी **'दिशा - २००४ अंक'** सादर करताना आम्हाला होणारा आनंद काही औरच आहे. विविध विषयांवरही कविता, लेख वाचताना एस.पी.सी.ई. मध्ये काही असाधारण आत्मे राहतात याची तुम्हालाही नक्कीच प्रचिती येईल. 'व्यक्ती तितक्या प्रकृती' म्हणतात ना तसे काही स्वभावत: स्वत:च्या कोशात गुरफुटून घेणारे तर काहींचा स्वभाव हा 'गैर की शादी में अब्दुल्ला दिवाना' तर काही 'कल हो ना हो' या साच्यातले अन् म्हणनूच प्रत्येकाचे विचार वेगळे, लिखाण वेगळे, सगळं काही निराळंच. त्यामुळेच,

गुंतूनी गुंत्यात साऱ्या पाय माझा मोकळा
रंगूनी रंगात साऱ्या रंग माझा वेगळा !

हे शब्द समर्पक वाटतात. अशाच असाधारण कलावंताची, लेखकांची, कवींची, **'प्रतिभा'** आपल्यासमोर मांडण्याचा त्याची **'प्रतिमा'** प्रतिबिंबीत करण्याचा हा प्रामाणिक प्रयत्न.

मित्रांनो, ज्या दिवशी 'लेखन हा आपला प्रांत नाही' असे इथल्या अभियांत्रिकीच्या विद्यार्थ्यांना वाटेल, त्यादिवसाला इतिहासाला ३० फेब्रुवारी म्हणावे लागेल. आपल्यामधील रसिकता त्यादिवशी अंत पावेल. 'जगज्जेत्या सिंकरदचा आदर्श डोळ्यासमोर ठेवून आम्ही निघालोय मने जिकांयला ' असा सर्वांचा निर्धार दिसून येतो. लेखणीने कागद काळा करताना त्यावर अभियांत्रिकीच्या आकृत्या उमटतात की कवितांची आवर्तने हे हाताचा कल नव्हे तर मनातली सल ठरवते.

तर मित्रांनो, मूळात चणे चार आणे आणि कुरमुरे बारा आणे या हिशोबाने भेळ तयार करण्यासाठी येथे भेळवाल्याची गरज पडतेच. संपादकाचे कामही या भेळवाल्याप्रमाणेच मिश्रण तयार करण्याचे ! पण त्याचे श्रेय एकटयालाच नाही, अन् का द्यावे ? कारण मातीवर पाय रोवून उभ्या राहणाऱ्या वृक्षाच्या खोडाचा स्वाभिमान त्याच मातीला मिठीत बांधणाऱ्या मुळांवर अवलंबून ! इथल्या अनेक सोबत्यांची साथ आणि अनेक अदृश्य हात यांची आठवण अपरिहार्य आहे. म्हणूनच वाटतयं.

मी भविष्याचा प्रवासी, मी पहाटेचा उजाळा
गांजलेल्यांच्या घृणेचा सक मी उच्चार आहे.
सकटा आहे कुठे मी ? सकटा होतो कधी मी ?
फौज मागे राबवणाऱ्यांची उभी झुंजार आहे !

लोभ असावा.

भावस्पंदन - २००४

दोन वर्षापूर्वी जेव्हा आम्ही कॉलेजात आलो तेव्हा भावस्पंदन म्हणजे 'Traditional Day' च्या संध्याकाळी होणारा मराठी कार्यक्रम एवढेच आम्हाला माहित होते. सगळेच नवीन होते पण एक नक्की कळले की, कार्यक्रम फारच इंट्रेस्टिंग होता.

यावर्षीची म्हणजे २००४ सालची जबाबादारी मी, मनोज, रविन्द्र आणि अभिजीत (T.E. Mech.) याने स्वीकारली. गडवे मॅडमच्या मार्गदर्शनाखाली आणि गोखले मॅडमच्या सहकार्याने आम्ही कार्यक्रमाची आखणी केली, त्यांच्यामध्ये सर्वांत महत्त्वाचे म्हणजे वाद्यवृदांची जबाबदारी आपल्याच विद्यार्थ्यांनी स्वीकारली.

ही खरोखरच एक महत्त्वाची गोष्ट होती कारण यातून कॉलेजामध्ये किती Talent आहे, ते कळून आले, ढोलकी अभिजीतने (S.E.CIVIL), श्रीधरने गितार (S.E. TRICAL), राहुलने (T.E.I.T.) तबल्याची तसेच वैभवने व नितीनने (S.E. Trical) (हार्मोनिअम) कॅसियो ची जबाबदारी घेतली.

पहिल्यांदा आम्ही जरा घाबरलोच होतो कारण दिवस हातात होते फक्त दहा! त्यात कुठे प्रॅक्टिस करायची, कोण गायक काहीच ठरले नव्हते. तेव्हा मनात शंका होती की आम्ही हे सर्व व्यवस्थितपणे पार पाडू शकू का? कारण सर्वांसाठीच तसे हे पहिल्यांदा आणि नवीनच होते. तरीही सर्वांनी पक्क्या इराद्यानिशी ठरविले की यंदा हा प्रयोग करुन बघायचाच ! सर्व वादकांचा आत्मविश्वास पाहून माझा आणि अभिजीतचा जोमही वाढला.

मी, अभिजीत, मनोज सर्वांनी आपापल्या जबाबदाऱ्या वाटून घेतल्या अभिजीतने निवेदनाची, मी गायनवादन सुसूत्री करणाची व वादकांची तसेच मनोजने, रंगमंच सजावाटीची जबाबदारी घेतली. यावेळेला गाण्यांना साथ होती, ती अभिषेकने (S.E.Civil) बसवलेल्या ठुमकेदार नृत्याची तसेच गोखले मॅडमच्या म्युझिकल स्किटची (Musical skit) . गायकांमध्ये प्राची मॅडम, गडवे मॅडम, आणि वीणा मॅडमचाही सहभाग होता. यावेळी मराठी वक्तृत्व स्पर्धा घेण्याचेही ठरले, कार्यक्रमाला आकार देण्यासाठी निवेदनासाठी एका ऐवजी तीन जोड्या ठरविण्यात आल्या. आता सर्व ठरले पण सर्वांत महत्त्वाचे काम होते ते म्हणजे सर्व गायक, वादक, निवेदक यांना एकत्र आणण्याचे, सुरुवातीला थोडासा त्रास झाला, मला आणि अभिजीतला प्रत्येक वर्गात जाऊन मुलांना बोलवायला की बाबांनो प्रॅक्टिससाठी या, प्रॅक्टिससाठी या पण ते तरी बिचारे काय करणार कुणाचे प्रॅक्टिकल, कुणाची टर्म टेस्ट वगैरे तरीही असे करत प्रत्येकाला त्याच्या वेळेनुसार जमवून घेत आम्ही कार्यक्रमासाठी सज्ज झालो.

या व्यतिरिक्त गोखले मॅडमच्या स्किटसाठी तसेच नृत्यासाठी मला आणि अभिजीत तसेच अभिषेकला मुलांना आणि विशेष करुन मुलींना करावी लागत होती विनंती .

याचेच जरा आश्चर्य वाटले की S.P. सारख्या कॉलेजात उस्फूर्त विद्यार्थ्यांची काही कमी नाही. तरीपण असे का ? तर लक्षात आले की, बऱ्याच मुलांना हा कार्यक्रम फक्त मराठी विद्यार्थ्यासाठीच आहे असे वाटत होते. पण आम्ही त्यांना सांगितले की असे नसून या कार्यक्रमात भाग घेण्यासाठी मराठी बोलता येण्याची काही गरज नाही आहे, यावर्षी बऱ्याच नॉन महाराष्ट्रीयन विद्यार्थ्यांचा सहभागही वाखाणण्याजोगा होता F.E. तूनही बरीचशी मुले पुढे आली. मराठी वक्तृत्व स्पर्धेलाही चांगला प्रतिसाद होता कारण आधी नोटीस लावूनही बरेचसे स्पर्धक असे नव्हते अगदीच पाच सहा होते त्यामुळे मी आणि अभिजीतने अगदी एका वेळेला कार्यक्रम रद्द करण्याचे ठरविले होते पण आयत्यावेळी वीस स्पर्धक आले आणि स्पर्धा यशस्वी झाली.

एक खंत होती की कार्यक्रमांना अजून भव्यस्वरुप देता आले असते पण यावेळेला सर्वच पटापट ठरल्याने आणि प्रॅक्टिससाठी अपुरा वेळ मिळाल्याने ते झाले नाही पण परमेश्वराच्या कृपेने तसेच गडवे मॅडम व गोखले मॅडम यांच्या अमूल्य सहकार्याने तसेच सर्व आयोजकांच्या आणि सर्वात महत्त्वाचे म्हणजे S.P.C.E. च्या धम्माल आणि उत्स्फुर्त crowd मुळे कार्यक्रम व्यवस्थित पार पडला पुढच्या वर्षीही असाच किंबहुना याहूनही चांगलाच होईल अशी देवाकडे प्रार्थना.



निषाद तुपे
(तृतीय विद्युतकण)

मला वाटतं.

मला वाटतं कधी पक्षी व्हावं
आकाशात उडत स्वैरपणे सारं जग हिडावं !
मला वाटतं कधी ढग व्हावं.
खूप बरसून सगळीकडे नवचैतन्य आणावं !
मला वाटतं कधी वृक्ष व्हावं.
येणाऱ्या जाणाऱ्या पांथस्थाला आपल्या सावलीने शमवावं !
मला वाटतं कधी लहान व्हावं.
पुन्हा एकदा आईच्या कुशीत गाढ झोपावं !
मला वाटतं कधी प्रकाश व्हावं
पटकन जाऊन मनाच्या अंधाऱ्या खोलीत लपावं !
मला वाटतं कधी भूत व्हावं
माणसात राहून माणसातल्या भूताला खूप छळावं !
मला वाटतं आधी माणूसचं व्हावं
सर्वात आधी माणसाशी माणासासारखं वागावं !

योगेश खरे
द्वितीय वर्ष (स्थापत्य)

तुझं माझं नातं

तुझं माझं नातं आहे पानावर पडलेल्या दवबिंदूसारखं
नातं आहे क्षणार्धात, एखाद्या सुंदर स्वप्नासारखं
आपले एकत्र येण शक्य नाही हे मला माहित आहे.
पण मोती भासणाऱ्या त्या दवबिंदूप्रमाणे क्षणभर तरी जगण्याची आस आहे.

योगेश खरे
द्वितीय वर्ष (स्थापत्य)

ओठी तुझ्या न आले अजुनी नाव माझे
अन् ओठ शोधण्याचा माझा स्वभाव नाही ।
कळली तुला न माझी मुकी अबोल भाषा ।
अन् शब्दात बोलण्याचा माझा स्वभाव नाही ।
वाटेवरी तुझ्या या आहेत अनेक काटे
अन् मार्ग सोडण्याचा माझा स्वभाव नाही.

योगेश खरे
द्वितीय वर्ष (स्थापत्य)

'सावध असा, तुफानाची हीच सुरुवात आहे'

एके काळी आपल्या महाराष्ट्रात राहणाऱ्या लोकांना 'मरहट्टे' म्हटले जायचे. म्हणजे ते मरतील तरीसुध्दा आपल्या निष्ठेपासून, आपल्या तत्त्वापासून मागे हटणार नाहीत, असे लोक. पण दुर्दैव बघा, तेच झालेत आता 'मठ्ठ-निगरगट्ट'

खरंच का इथले तरुण/तारुण्य मेले आहे ? तर नाही. तारुण्य कधीच मरत नाही. जे मरेल ते तारुण्य कसले ? इथले तारुण्य जिवंत आहे. फक्त त्याची निष्ठा, त्याचे ध्येय, त्याचा मार्ग बदललाय! आताचे तारुण्य धावत आहे, ऊर फुटेपर्यंत भौतिक सुखाच्या, ऐषारामाच्या, स्वार्थाच्या पाठी.

हिडीस, बिभुक्षित अशा पिसाट लांडग्याने माणसाच्या मनात प्रवेश केला आहे. आणि माणसातील या लांडग्याने रानातील लांडग्यावरही मात केली आहे. म्हणूनच रानातील लांडग्यांची संख्या घटत असताना वस्तीतील लांडग्यांची संख्या वाढत आहे. जो तो या देशाचे, समाजाचे लचके तोडण्याच्या नादात आहे. एवढे सारे घडत असतांना आजचा तरुण कोठे आहे ? तो काय करतो आहे ? यापेक्षाही महत्वाचा प्रश्न असा की, तरुण कोण आहे ? लिहले जाते ज्यांच्या धमन्यांतून वाहणाऱ्या रक्ताचा वेग हा अजून मंदावला नाही तो तरुण, ज्यांच्या मनाने मुर्दाडपणाच्या साखळया स्वीकारल्या नाही ते तरुण. ओठावर मिसरुड फुटले की तरुण होता येते आणि वयाची साठी ओलांडली तरी मनाने माणूस तरुणच राहत असतो. म्हणजेच ज्या शरीरात मनात उत्साही, चैतन्यदायी तारुण्य उसळया घेत असते त्यांना तरुण म्हणायचे. मग ज्यांचे तारुण्य निष्ठेचा, न्यायाचा मार्ग सोडून स्वतःला त्याचबरोबर समाजाला विनाशाच्या गर्तेत ढकलीत असते त्यांना काय म्हणायचे षंढ !

जे रस्तोरस्ती होणारे बलात्कार उघड्या डोळ्यांनी पाहात असतात त्यांची मने किबंहुना तारुण्य माळावरच्या दगडासारखी मठ्ठ आणि निगरगट्ट झालेली असते. धक्का लागला तरच जागा सोडेल अन्यथा तसाच राहील.... वर्षानुवर्षे स्थितप्रज्ञ ! इथल्या तारुण्या, तू तसाच स्थितप्रज्ञ राहा. राखेच्या निखाऱ्यासारखा फुलू नको, फाडून फेकून दिलेल्या कागदांच्या चिटोऱ्यासारखा कारण तुला भीती आहे फुलल्यानंतर राख होण्याची. वणवा पेटविणारी एक ठिणगी वेगळी आणि तू वेगळा. तू तरुण..... ना शरीराने आणि मनाने.

असेल हिंमत लढणारांची आणि
सुळावर चढणाऱ्यांची त्यांनी यावे !

ही उक्ती आम्हाला लागू आहे का ? अशा लढाईने आपल्या सुखी आयुष्याची उधळण व्हावी असे कोणत्या सुज्ञ, सुशिक्षित माणसाला वाटेल ? माझे घर, मुले, नोकरी, सगळे जसेच्या तसे राहायला हवे. असे बलात्कार, असे भ्रष्टाचार कितीही होवोत मला काय त्याचे ? स्वतःच्या हाताने पायावर दगड कोण मारुन घेईल ?

भगतसिंगच्या चित्रपटातील तुरुंगातील क्रांतिकारकांच्या उपोषणाचा सीन पाहतांना, उपोषण तोडण्यासाठी, 'बिस्लेरी देऊ का रे ? असे थिएटरमध्ये जोरजोरात ओरडणारे आमचे कृतघ्न तरुण ! शाब्बास आहे या देशाची ! या देशातील तरुणांची आणि इथल्या तरुण्याचीही ! या देशातील शरीर-मनाने जिवंत असलेल्या, तरुण असलेल्या उरल्या सुरल्या नागरिकांनो ! आता तरी उठा ! मान्य आहे आपल्या हातून चूक झाली. पण जे चुकत नाही ते तारुण्य कसले ? आणि जो चूक सुधारत नाही तो तरुण कसला ? या समाजातील राक्षसांना छाती ठोकपणे सांगा.

एकटाच आलो नाही, युगाचीही साथ आहे,
सावध असा तुफानाची हीच सुरुवात आहे.

रविन्द्र मुंजे
तृतीय (विद्युत)

एक हरवणं

ज्याच्यामुळे जीवनाला हसू फुटले,
त्याचे जीवन रडत का जावे ?
ज्याने मैत्रीचा अर्थ सांगितला,
त्यानेच मैत्रीचा अर्थ का समजू नये ?
माझ्या मनाला ज्याने ठाव दिला,
तोच स्वत:ला कुठे हरवून बसला,
या दुनियेच्या गर्दीत तो का सामील झाला ?
तो वेडाच मला हवा होता, आता त्याचे वेडपण
सुध्दा हरवलं, शोधू कुठे मी त्याला
तो दिसेनासा झाला, ज्याने प्रसंगाला सामोरे
जाण्यास शिकवले तोच का घाबरला ?
ज्याने सोबत दिली तो आज एकटा का पडला ?
त्याच्या या गोड आठवणी आज कडू का झाल्या ?
नाही कळली या दुनियेची रीत त्याला,
तो आपली दुनियाच विसरुन
गेला .... विश्वास ज्याचे नाव,
तोच अविश्वासाने गुरफुटला.
शब्द हरविले लिहण्याला शोधू तर कुठे त्याला ?

दिपक दा. सोहलिया
द्वितीय वर्ष (विद्युत अभि.)

रीत

कशासाठी जगायचं ?
या प्रश्नाला जीवन म्हणायचं
आणि मग उत्तरासाठी
सारं जिवनच गमवायचं
दुनियेची रीत इथे
कुणाला बरे उलगडणार
कुणी नाही कुणाचे इथे
आपण आपलेच हात
पसरवून आवरणार
सरणावर जाणाऱ्या माझ्या
मनालाही एकदा तुझ्या प्रेमाची
भावना फुटली
मग त्याचे त्याला कळेना
ही प्रेमाची रीत कसली.

अमित भ. जंगम
अंतिम (स्थापत्य)

अर्धसत्य

कमीतकमीत पानं - फुलं वापरुन
मी पुष्पगुच्छ करतो.....
एक एक पान फूल तोडताना
मी झाडांपुढे हरतो !
कुंडीतील झाडाची माती संगे
नाळ झोडलेली असते.
हल्ली हेच अर्धसत्य
दारादारात टांगलेलं दिसते.
आजकाल ह्या पावसाचं असं असतं.
यायचं नसून भासवायचं असतं
भुरभुरत्या प्रेमाचंही असच असतं
वाहता वाहताही पुन्हा पोहायचं असतं.

अमित भ. जंगम
अंतिम (स्थापत्य)

विद्यार्थ्यांचा सक्रिय राजकारणातील - सहभाग -

सध्या मतदार याद्यांचे नूतनीकरण सुरु आहे. नुकतीच अठरा वर्षे पूर्ण केलेली माझ्यासारखी अनेक मुलं मतदारयादीत नाव नोदंणीसाठी उत्सुक आहेत. उमेदवार वारंवार आपापले मतदारसंघ पिंजून काढताहेत. पण विद्यार्थ्यांच्या मनात सध्या गोंधळच चालू आहे.

सांप्रत काळात विद्यार्थीजीवनापासूनच लोकशाही, संसद, मतदान या गोष्टींची तोंडओळख होत जाते. पण जेव्हा हा विद्यार्थी बनतो, तोवर त्याचा संसद व्यवस्थेवरचा विश्वास उडालेला असतो.

बेरकी नेते, त्यांची हजारो कुलंगडी, तेलगीसारखी प्रकरणे, लालूप्रसाद यादव यांसारखे नेते आणि विधानभवनामध्ये होणाऱ्या माईक फेकणे, अर्वाच्य शिव्या देणे यासारख्या गोष्टी पाहून कुठल्या सभ्य नागरिकाला मत द्यावंसं वाटेल ? आणि बरं, कुणा एका त्यातल्या त्यात सभ्य उमेदवाराला मत दिलंच तर काय भरवसा, बूथ कॅप्चरिगसारखे प्रकार घडून पुन्हा एखादा गुंडच निवडून यायचा. मुंबईच्या बाजूची दोन शहरं वसई आणि उल्हासनगर येथे तर असंच वातावरण आहे. थोडक्यात काय आहे, तर राजकारण हे एक गटार बनत चालले आहे आणि यापासून गुंड सोडून सगळेच लांब राहू इच्छितात.

पण इथेच तर आपण चुकतो. गटार म्हणून लांब जाण्यापेक्षा त्यात उतरुन जर ते साफ केलं गेलं तर ते या समाजासाठी आणि देशासाठीसुद्धा खूपच फायद्याचं ठरेल आणि माझ्या मते हे काम फक्त सध्याचा सुजाण विद्यार्थीच करु शकतो.

मी म्हटलं विद्यार्थी, विद्यार्थी संघटना नव्हे. कारण सध्याच्या विद्यार्थी संघटना या विद्यार्थी संघटना नसून गुंड संघटना बनल्या आहेत. या ठिकाणीही गलिच्छ राजकारणंच चालतात.

पुन्हा या संघटनावर राजकीय पक्षांचा वरदहस्त असतो. त्यामुळे त्यांच्या हातून काही वेगळं होईल ही अपेक्षाच करण फोल आहे.

मग नक्की मार्ग काय आहे ? की आता काही मार्गच नाही ? आहे, इच्छा आहे तेथे मार्ग आहे. मार्ग आ राज्यक्रांतीचा, रक्तरंजित नाही रक्तविरहीत आणि खऱ्या अर्थानं राज्यक्रांती नाही तर लोकक्रांती. विद्यार्थीक्रांती. गरज आ समविचारी तरुणांनी एकत्र यायची, प्रथम गावातल्या, मग शहरातल्या आणि त्यानंतर वेगवेगळ्या शहरातल्या, देशभरातल्य कारण सुशिक्षित, सुजाण, विद्यार्थीच भारताची शक्ति आहे. हे सारे विद्यार्थीच क्रांती घडवू शकतात कारण मला नक्की माहि आहे की सारे राजकीय पक्ष आजमावलेली जनता या विद्यार्थ्यांना आणि तरुणांना नक्कीच पाठिंबा देईल.

विद्यार्थ्यांचा उठाव अनेक पद्धतींनी असेल. क्रांतीवादी सभा, वृत्तपत्रांतून लेख, दूरचित्रवाणीवरुन संदेश, नव तंत्रज्ञानाचा आधार घेऊन एक सशक्त लोकक्रांती घडवून आणण्याची ताकद फक्त विद्यार्थ्यांतच आहे. आणि याचं कारण म्ह आजचा विद्यार्थी पश्चिमेचं तंत्रज्ञान आणि पूर्वेचं तत्वज्ञान यांचा सुरेख मेळ घालू शकतो.

म्हणूनच मला वाटतं की आजच्या विद्यार्थ्यांचा सक्रिय राजकारणाला सहभाग राजकारणाला 'लोककारण" बनवू शक

-- विद्याधर नी. भि

द्वितीय (वि

शोध



मीच माझा चुकत आलो
शोधीत आलो मी मला ।।धृ।।
मीच माझा मित्र होऊन
सांगत आलो गुण मला
दुखलं खुपलं माझे मीच
घेत आलो विचारुन
पडत उठत माझं मलाच
चालायचं अजून खूप
ठावूक आहे पडलो तर
कुणी नाही उठविणार
चालायचं माझं मलाच
कोण कशाला चालविणार
तरीच सांगतो मी मला
बाबारे तूच माझे पहा
उन्नती अधोगती
मार्ग तुझा तुला खुला

रवि शिनगारे...
द्वितीय (विद्युत)

सुमितची कविता

माणुसकीचा घात करेल तो माणूस नाही,
थोड्या वेळात तुटेल ती शपथ नाही,
दोस्तीसाठी तुला विसरेल तो मी नाही,
बागेत दरवळणारा मी सुंगध नाही,
चंदनासारखा झिजणारा मी चंदन नाही,
पण प्रेमासाठी जीव देईल तो सुमिन नाही
कारण तुझे-माझे प्रेम काही कमी नाही.



सुमित ठोकळे
द्वितीय (विद्युत)

प्रेमस्वप्न

मी आणि तू फक्त एकत्र असावे
आणि मध्ये कुणी परके नसावे
नसावे काहाही फक्त प्रेमच प्रेम असावे.
स्वप्नात माझ्या फक्त तिनेच यावे
स्वप्नात तिच्या फक्त मीच जावे
स्वप्न हे प्रेमाचे कधीच न संपावे
तिने फक्त मला स्मरावे मी फक्त तिला स्मरावे
आठवणीत आमच्या फक्त आम्हीच उरावे
शब्द माझे हे फक्त तिच्यासाठीच असावे
शब्द हे तिचे फक्त माझ्यासाठीच असावे
जीवन हे माझे फक्त तिच्यासाठीत असावे
जीवन हे तिचे फक्त माझ्यासाठीत असावे
प्रेमस्वप्न हे माझे लवकरच खरे व्हावे.

सचिन चोथानी
तृतीय (विद्युतकण)

चारोळी

१. तुझ्या हात सोडत्याना
एक थेंब ग्यालावरच गोठला
तो थेंब तिथंच आहे
हात सोडून काळ लोटला

२. तुझ्या आयुष्यात मी
कुणीतरी असेन
'कुणीतरी' व्हायचं नाही मला
मले मी कुणीच नसेन !

मित्रांनो, मित्र म्हणजे काय?

हे आपणांस माहित असते, मात्र मैत्रीचे रहस्य किती जणांना उलगडते? तसा मित्र-मैत्रिणींच्या दाट मैत्रीत मी नबखाच मात्र आता बच्चापैकी साबरलेला. याची कारणे ती काय तर, शाळेतील वय हे अभ्यास व खेळ, शिवाय आपल्या आईबडिलांच्या, शिक्षकांच्या देखरेखेखाली असते, शिवाय त्या बाल्यावस्थेत मित्र म्हणजे खेळण्यातला सोबती हेच आपले मित्र म्हणजे विश्व असते. तर ज्युनिअर कॉलेजमधे नव्य वातावरणात आपल्या स्वभावातला अल्लडपणा, सावधानतेत बदलतो. शिवाय १२ वी ची परीक्षा, करिअर, क्लासेस यातच आपण अडकून बसतो.

हा, मात्र एकदा का आपल्या मनासारख्ये कॉलेज व्यवसायिक कोर्सकरता मिळाले तर आपले मन हलके होते, आणि ते इतरत्र रमू पाहते. आपण आपल्या आवडीनिवडीवर आणि आपल्या जीवनाबाबत जास्त विचार करु लागतो आणि मग एकटेपणापेक्षा इतरांचा सहवास मग तो कशासाठीही असो, अनुभव सांगण्यास, भावना व्यक्त करण्यास, स्व:तच्या उणिवा दूर करण्यास वा आपल्या गुणांना चालना देण्यास हवाहवासा वाटू लागतो आणि मगच मित्रमैत्रिणींचे नाते मैत्रीच्या बंधनात गुंफते.

मैत्री ही जितकी चटकन होते तितकीच चांगली कारण कोणाचीही माहिती काढून त्याला आपल्या मित्र-मैत्रिण बनवण्यात मैत्रीला स्वार्थीपणाचे गालबोट लागते. मैत्री ही पहिल्या भेटीत मग ती फक्त औपचारिक असो वा तासभरच्या गप्पांची असो जमली की ती नैसर्गिक असते. कारण मैत्री ही गुलाबाच्या फुलासारखी असेत ज्यात काटेही असतात आणि सुगंधही ! मात्र ज्याला काटे पचवून सुगंधाची मजा लुटता येते त्याने मैत्रीचे शिखर काबीज केलेलं असते.

मित्र-मैत्रिणींचा सहवास हा तारुण्यात फार महत्वाचा असतो. कारण मैत्रीच आपल्या तारुण्यसुलभ शंकाना मार्ग करुन देते. मित्रांमुळे आपले मन निश्चिंत होते. कधी हॉटेलात कोणाकडून पार्टी उकळणे, तर कधी बडापाव शेअर करणे, वर्गातील चेष्टामस्करी, एकमेकांना दिलेली टोपणनावे, शिष्ट मुलांची केलेली नक्कल मात्र सबमिशन्सच्या वेळी आपणचं त्यांची केलेली सरबराई. उगाचच वर्गातील मुलामुलींच्या नावाच्या जोड्या लावणे, लेक्चर्स बंक करुन पाहिलेले सिनेमे आणि तुडबलेल्या चौपाट्या, हे सगळे जेवण्या - झोपण्याएवढेच अंगवळणी पडते.

मात्र या आनंदीआनंद वातावरणात कधीकधी अनपेक्षित अपराध किंवा गैरसमज यांनी वाईट वाटून आपण खचतो. मात्र अशाच वेळी खरी कसोटी असते,आपल्या मित्रांची. यावेळी ते आपल्याला आईबडिलांप्रमाणे सांभाळून, समजून घेतात. आपल्यातील आत्मविश्वासाला त्यांच्या विश्वासाची जोड देऊन जीवनातील अडचणींचा सामना कसा करावा याचे मार्गदर्शन करतात. जवळच्या वा व्यवसायिक नात्यागोत्यांत भांडणामुळे माणसे दुरावतात. मात्र ती परतही जोडली जातात. मात्र तुटलेल्या धाग्याला मारलेल्या गाठीने त्याला सलगता येते, मात्र गाठ तर रहातेचं मात्र मैत्रीत हीच गाठ आपल्याला, आपण मित्रांशिवाय कसे अपूर्ण आहोत याची जाणीव करुन देते आणि मग आपण स्वत:हून माघार घेते कधीकधी आपला स्वाभिमान, तत्व दूर सारुन यालाच तर मैत्री म्हणतात ज्यातं व्यवहारापेक्षा भावना मजबूत असतात.

जगात सार काही बदलेल मात्र जिवाला जीव देणारा आणि आपल्या आवडीनिवडी साठी स्वत:च्या आवडीनिवडीचा त्याग करणारा खरा मित्र आणि मैत्रीचे नाते कधीच बदलणार नाही. आपल्या भेटीगाठीत अंतर पडेल मात्र त्या भेटीमधला सहवास व ताजेपणा हा शाश्वत राहील. त्याच आपल्या गालांवर मंद हास्य फुलेल. असे हे मैत्रीचे नाते नि:शब्द असते. म्हणूनच B.E. फेअरवेलला माघार घेतलेल्या ओठांना, शब्दांना पाणावलेल्या डोळ्यांची साथ असते.

धनजंय पाटील
तृतीय (विद्युत)

दोन शब्द

तुझे अस्फुटसे दोन शब्द
बरचं काही बोलून गेले
इतके दिवस बंद असलेले
मनाचे दार उघडून गेले.
तुझे अस्फुटसे दोन शब्द
बरंच काही खुणावून गेले
माझ्या आतुर हृदयाला
स्पर्श करुन गेले.
तुझे अस्फुटसे दोन शब्द
बरंच काही सांगून गेले
तुझ्या-माझ्यातल्या नात्याला
एक सुंदर वळण देऊन गेले.
तुझे अस्फुटसे दोन शब्द
बरचं काही शिकवून गेले
जीवनातील प्रेमाचे
इंद्रधनुष्य दाखवून गेले.
तुझे अस्फुटसे दोन शब्द
बरंच काही विसरवून गेले
माझ्या उदास मनाला
ते गोड हसवून गेले.
तुझे अस्फुटसे दोन शब्द
सारं काही देऊन गेले
तुझ्या संगतीने ते नकळत
मलाही घेऊन गेले.

पवन बढे
तृतीय (संगणक)

जात

जीवनात माझ्या एकच कोडे
माणसाची खरी जात धर्म कोणते
हिंदु, मुस्लिम का शिख ईसाई
सांग ना लवकर मला तु आई
जातीसाठीच माणसाचे मुडदे पडतात
जातीसाठीच घरदार जळतात
उघड्यावर सारे संसार पडतात.
दंगलीसाठी राजकारण करतात.
सगळे स्वतःला त्या जातीचा नेता म्हणवतात.
जातीसाठीच रक्ताने हात माखतात
विविधतेत एकता फक्त ओठांशी ठेवतात.
तोंडावर सुखद स्मित दाखवतात.
मनाच्या कपारीत साठवून ठेवतात.
जातीच्या घाण्यात स्वतःला रगडत राहतात.
विचार करता वाटते खरंच.
जीवनात माझ्या एकच कोडे
माणसाची खरी जात धर्म कोणते
हिंदु मुस्लिम का शिख ईसाई
सांग ना लवकर मला तू आई....

रवि शिनगारे
द्वितीय (विद्युत)

७.४५ सी.एस.टी. (फास्ट)

वर्षभरात होणारी संसदेची दोन अधिवेशने, B CCI च्या मिटिंग्स, ब्युज चॅनल्सवर होणारे टॉप शोज यांत मिळून जितकी चर्चा होते त्याहून अधिक चर्चा रत्नेच्या अर्धा पाऊण तासाच्या प्रवासात ऐकावयास मिळते. जरासा कानोसा घेऊन ऐकलं तर कळेल राजकारण ते क्रिकेट, व्हाया चित्रपट हा प्रवास ही लोक इतक्या सहजपणे करतात की स्वत:च पहा. ''सगळे पाजी आहेतं, एकालाही वोट देता कामा नये''आजकाल तर फिलगुडच वारं वाहतंय'' ''हो ना ! करोडोचा मुद्रांक घोटाळा झाला, जोगी-जूदेव कांड झाले, गोंध्रा -अहमदाबाद दंगल झाली''. "India is shining" बाबा ! ''गेल्या पन्नास वर्षापेक्षा बरंच बर आहे की'', का तुला इटालियन पिझ्झा खायचाय का?

''अरे पण गेली ५० वर्षे भारतीयाने राज्य केलं की, काय उजेड पाडलाय ? मग आता जरा International नेतृत्व बघायला काय हरकत ?''. ''हो नाहीतरी आपल्याला Imported गोष्टीच जास्त रुचतात''.

''आता कसं Wright बोललास.''

''अरे बॉस कुर्ला गया क्या ?''

''नही अभी टाईम है ।''

''च्यायला कुठुन कुठुन येतात मुंबईत कोणास ठाऊक ?''.

''म्हणूनच माझा मी मुंबईकर''. ला फुल सपोर्ट आहे.'' ''हो पण मी मुंबईकर असल्याची जाणीव ह्यांना निवडणूकीच्या तोंडावरच बरी झाली.''

''काही का असेना आपल्या मराठी माणसांसाठी काहीतरी करत आहेत''.

''अबे! घाटकोपर नही उतरना तो पिछे जाव ना खाली फोकटका भंक्कस !''.

''बघितलं ! मराठी माणसांची काय इज्जतच राहिली नाहीए''.

''आपलं ना Indian Cricket Team सारखं झालाय''.

''हो तर ह्या ICC ला त्या ब्रँड विल्यमस्, ब्रेट ली चं तांडव दिसत नाही''.

''आणि त्या पठाणने नुसत्या टाळ्या काय वाजवल्या आणि पटेल ने चार उड्या काय मारल्या. त्यांना ब्लॅकलिस्ट केलं''.

''अरे बॉस कुर्ला आया क्या?''

''नही अभी नही रुको जरा बात कर रहे है ना ।''

''आता पाकिस्तानात काय दिवे लावतायत कोणास ठाऊक''

''आपल्या Players नी ना बिपाशा बासूकडून training, घेतलं पाहिजे''.

''म्हणजे''?

''काय continuity आहे पोरीची, प्रत्येक मुव्ही मध्ये कपड्यांची काटकसर मानलं बाबा ''.

''हो एक वेळ कपडे कमी होतील, वाढणार मात्र नाही''. "What a continuity !"

''अरे ठिक से उतरो धक्का कायको देते हो ''

''धक्का लग रहा है तो First class मे चले जाव''.

''अरे हमको नही परवडता. तुमको परवडता है तो तुम जावो ''

''त्यादिवशी एकाने पाय दिला तर तीन दिवस पाय सुजलेला''.

''काय मज्जा आहे! त्या विकी ऑबेरॉयच्या पायाचं नख जरी मोडल तर आख्खी ऐश्वर्या रॉय त्याला भेटालया जाते आणि इथे ''.

''राहू दे रे बाबा असतं ऐकेकाच नशीब''.

''चलो उतरो दादरवाले''

''जल्दी उतरो अरे धक्का मत दो''.

''अरे बॉस कुर्ला आया क्या ?''.

अभिजीत चोण
तृतीय (यांत्रि

तुला पण ..... !!

जी चूक मी केली, पहा ती तुला करता येते काय ?
जसं आयुष्य जगलो मी,
तसे तुला जगता येईल काय ?
आयुष्याच्या वाटेवर जिथे ठेचाळला माझा पाय,
पायातून माझ्या आलेले रक्त
तुला पुढे जाण्यापासून थांबवले काय ?
माझ्या डोळ्यांत आलेली आसवे,
तुला चिंब भिजवतील काय ?
अन् माझ्या आनंदाच्या क्षणात
तुझ्या ओठावर हसू येईल काय ?
माझ्या मनातले तुझे विचार
तुझ्याबद्दलची माझी मतं तुला कधी कळतील काय ?
की, अंधाऱ्या खोलीत जसा कोंडून राहतो
तसा काळोख मी होतोय काय ?
विचारांच्या ह्या गर्दीतून, सांग माझ्या मना
प्रकाशाची तिरीप बनून ती येईल काय ?

अभिजीत चोणकर
तृतीय (यांत्रिकी)



प्रेम

प्रेम तुझ्यावर करतो
माहित आहे तुला
सांगायला हेच तुला
हिंमत होत नाही मला !
मी तुला पाहतो प्रिये तू पाहते मला
कार्यक्रम हा दररोजचा
आहे ना झाला ! कॉलेजला घरुन
निघतांना सांगायचे मनात ठरवतो.
समोर तू दिसताच
सांगायचं विसरुन जातो !
कॉलेजला सुटी लागायचे
जवळ आले दिवस
मला तरी आहे प्रिये
तुझ्या प्रेमाचा ध्यास ! मला नाही तू
ओळखिले मी नाही तुला सांगितले
मनातले प्रेम माझे कविता
रुपात प्रकटले !

अनिरुध्द वि. जवादे
अंतिम वर्ष (स्थापत्य)

अस्तित्व

अस्तित्व म्हटले की, काही जणांच्या लक्षात येतो, 'महेश मांजरेकर' दिग्दर्शित, तब्बूवर चित्रित केलेला चित्रपट. 'अस्तित्व' या चित्रपटात एका स्त्रिची अस्तित्व जपण्याबाबतची धडपड दाखविण्यात आली आहे. काही जणांचे लक्ष जाते 'चार्लस् डार्विन' यांच्या प्राण्यांच्या अस्तित्वाच्या सिद्धांतावर (सर्वात ताकदवान प्राणी आपले अस्तित्व टिकवू शकतात. खरं तर अस्तित्व हा शब्दच आपल्याला आव्हान दर्शवितो, ज्याच्या समोर आपण तग धरण्याचा प्रयत्न करतो आणि तग धरण्यालाच आपण **'अस्तित्व टिकवणे'** असे म्हणतो. या जगातील प्रत्येक माणूस हा आपले अस्तित्व टिकविण्यासाठीच लढत असतो. एवढंच काय तर विश्वातील प्रत्येक देश आपले अस्तित्व दर्शविण्याचा प्रयत्न करीत असतो आणि देशातील राज्ये सुध्दा

महाराष्ट्र, मराठी माणसाचा महाराष्ट्र आणि महाराष्ट्राची मुंबई, किती सुंदर आहेत ही नाती महाराष्ट्र-मुंबई-मराठी माणूस हे एकमेकांचे अविभाज्य घटक आहेत; परंतु आज मराठी माणसाचे मुंबईतील अस्तित्वच संपत आले आहे. काही वर्षापूर्वी म्हणजेच स्वातंत्र्यानंतर काही वर्षांनंतर मुंबईला महाराष्ट्रातून वगळण्याचे कारस्थान करण्यात आले. परंतु आपल्या सुदैवाने आणि आचार्य अत्रेसारख्या अनेक महान विभूतींमुळे मुंबई महाराष्ट्राची झाली. मात्र खंत एवढीच उरली की, महाराष्ट्राच्या मुंबईला महाराष्ट्रात ठेवण्यासाठी आपल्याला संयुक्त महाराष्ट्राची चळवळ उभी करावी लागली. इतक्या अथक परिश्रमानंतर मिळालेल्या मुंबईत आजमितीला मराठी माणूस (ज्याची ही मुंबई आहे तोच) दिसणे अशक्य झाले आहे. मुंबईत मराठी माणसाला आपले अस्तित्व टिकविण्यासाठी झगडावे लागत आहे.

तसे पाहिले तर मराठी माणसाची अवहेलना ही नेहमीच झाली मग ती स्वातंत्र्यापूर्वी असो व स्वातंत्र्योत्तर काळात असो. महात्मा गांधी एक महान नेतृत्व ! पण त्यांचे कार्य लोकमान्य टिळकांच्या तुलनेत सारखेच पण असे असतानाही लोकमान्यांना महाराष्ट्राबाहेर किती महत्व प्राप्त झाले ?स्वातंत्र्यवीर सावरकरांना भारत स्वतंत्र झाल्यानंतरही तुरुगांत रहावे लागले. स्वातंत्र्योत्तर काळात किती मराठी माणसे केंद्र सरकारमध्ये महत्वाच्या पदी पोहचली ? शरद पवार, यशवंतराव चव्हाण यांची ऐपत असूनही त्यांना संरक्षणमंत्री पदापर्यंतच मजल मारता आली. (मनोहर जोशी प्रसिध्दीच्या झोतात आले तर त्यांना लोकसभापतीची जागा देण्यात

आली. आणि इंद्रकुमार गुजराल, देवगौडा, नरसिंह राव यासारख्यांना पंतप्रधानपदी बसविण्यात आले. इथपर्यंत तर ठिक होतं, परंतु आज तर मुंबईत घुसून मराठी माणसाला बाहेर फेकण्याचा प्रयत्न चालू आहे. अर्थातच मराठी माणूससुध्दा याला तेवढाच कारणीभूत आहे.

सर्वसामान्य मराठी माणसाची मानसिकता काय असते तर, निवृत्त झाल्यावर आपले बस्तान उचलायचे आणि गावी जायचे. अरे पण जर आपणंच शस्त्र टाकून पळत असू तर परकीय का याचा फायदा घेणार नाहीत. मुंबईने आपल्या सर्वांना खूप काही दिले. आपली जन्मभूमी गावी जरी असली तरीही मुंबईने आपल्याला मावशीच्या प्रेमाने, यशोदारुपी मातेसारखी मायेची सावली प्रदान केली. तिच्याप्रती आपली काहीतरी बांधिलकी असायला हवीच ना ! मराठी माणूस हा साधारणत: नोकरी करणे पसंत करतो. व्यवसाय-धंद्याकडे तो ढुंकूनंही पाहत नाही. आणि समजा, एखादा धंदा सुरु करायचा झाला आणि एखाद्याने विचारले, काय करणार पुढे म्हणून तर आपण म्हणतो, ''आता मी धंद्यात पडायचा विचार करीत आहे''. अरे पण विचार करतानाच आपण पडायचा विचार करतो तर तो धंदा सुरळीत कसा काय चालणार ? हे सर्व झाले मराठी माणसाच्या मानसिकतेबद्दल.

परंतु तसं पहायला गेलं तर मुंबईत अतिक्रमण करणारे परप्रांतीय कुणी गैर नाहीत आपलेच देशबांधव आहेत. त्यामुळे त्यांचा मुंबईत येण्याचा अधिकारच आहे आणि मुंबईमध्ये कोणालाही सामावून घेण्याची क्षमतासुध्दा आहे. कोणीही (ज्याला काम करण्याची मनापासून इच्छा आहे अशी.) व्यक्ती मुंबईत उपाशी झोपू शकत नाही (अपवाद वगळता) असे जरी असले तरीही मुंबईत कोठेतरी मर्यादा पडतातच ना ! मुंबईच्या अतिक्रमणाचे सर्वात मोठे कारण म्हणजे केंद्र सरकारचे अपयश ! केंद्र सरकार आणि संबधित राज्यसरकारे आपापल्या राज्यात रोजगार संधी उपलब्ध करुन देण्यास असफल ठरत आहेत. मुंबई ही भारताची आर्थिक राजधानी आहे. तिचे शांघाय करण्याचा सरकारचा प्रयत्न चालू आहे. पण जोपर्यंत मुंबईतील अतिक्रमण रोखण्यात येत नाही. तोपर्यंत तरी हे होणे शक्य नाही.

दोन अनोळखी मराठी माणसे आपापसात हिंदीमध्ये बोलतात. अर्थात हिंदी ही आपली राष्ट्रभाषा आहे आणि तिचा आदर करणे हे प्रत्येक भारतीयाचे कर्तव्यच आहे. पण असे करत असताना आपण आपल्या मातृभाषेचा अपमान करता कामा नये. हे सर्वजरी खरे असले तरीही शेवटी हाच निकष लागतो की, मराठी माणूस कोठेतरी कमी पडत आहे. मला तर असे वाटते की, काही दिवसानंतर मुंबईत मराठी माणसाला आरक्षण देण्याची वेळ येईल. ज्याप्रमाणे स्त्रियांना, विविध जातीच्या लोकांना असते तसे. बस्स झाले हे सर्व हे कुठेतरी थांबायलाच हवे. त्यासाठी आपल्यालाच प्रयत्न करावे लागणार आहेत आणि म्हणूनच

जागा हो, मराठी माणसा जागा हो.....

संदीप दादासाहेब शिंगाडे

द्वितीय (विद्युत)



पूनवेचा चंद्र हा

ओथंबल्या रात्री आला
हृदयातील स्पंदनांना
जाणिवा प्रीतीच्या झाल्या.
सखे तुझ्यासवे
उमजले मजला रहस्य जीवनाचे
जसे क्षितिजावर सागरास
उमजले रहस्य आकाशाचे.
प्रथम दर्शनीच हा घात झाला
डोळ्यांत तुझिया प्रेमाचा साक्षात्कार झाला.
शामरंगात वळणावर साथ तुझी लाभली
प्रखर उन्हात जणू शीतल सावली
प्रगल्भ भावनांना लाभला सुवास प्रीतीचा
जणू पल्लवीत आशांना लाभला स्पर्श तुझा
रंग प्रेमाचा बिलगे जीवा स्वप्नात
जीवनाच्या दाटल्या आशा नव्या.
नयनांतून कळल्या मला प्रीतीच्या या भावना
शब्दांतूनी त्या नलगे सांगाव्या.

मंजूर आहे..

वाकण्यापेक्षा मला मोडणे मंजूर आहे
हारण्यापेक्षा मला झुंजणे मंजूर आहे !
ह्या लुळ्या पायांत आहे त्राणही आता कितीसे ?
थांबण्यापेक्षा असेही चालणे मंजूर आहे !
दूर होताना तुझा-माझा गळा दाटून आला
आसवांना हे मुक्याने बोलणे मंजूर आहे !
भेटले जे जे मला ते दुष्मनांचे दोस्त झाले
कुंडली माझी पुन्हा अभ्यासणे मंजूर आहे !
तू आता देशील ती शिक्षा मला मंजूर आहे
उन्हही मंजूर आहे..... चांदणेही मंजूर आहे
वाकण्यापेक्षा !

दिपक अनिल वाघ
द्वितीय (विद्युत)

प्रेम पत्र

❋ प्रीत तुझी माझी ❋

प्रिय,

आजही अस्तास जाणारा सूर्य मला नेहमी तुझ्या स्मृतींकडे घेऊन जातो. त्यावेळी गतकाळातील आठवणींना उसवत बसण्याशिवाय माझ्याकडे दुसरा पर्यायच नसतो. जवळ येताना भविष्यातल्या अटळ तडजोडींची मला जाणीव होती. मात्र मानसिक आणि वैचारिक आकर्षणातून निर्माण झालेल्या जवळीकते पासून ही दूर जाणे शक्य नव्हते. सहवास मर्यादित होता, तरीही त्या दिवसांमध्ये तुझ्यासोबत जगणं होणार होतं. रणांगणात उतरताना पराभवाची मानसिकता घेऊन उतरलो होतो परंतु,

''गुंतलो जेव्हा तुझ्यात, ती चूक नव्हती माझी,
धाग्याधाग्यांनी विणलेली प्रीत होती तुझी ''.

हे समीकरण तुला मला माहित होतं. एका निर्मळ वातावरणात तुझा दुर्मिळ सहवास मला अनुभवयचा होता. भविष्यातल्या पराभवापेक्षा वर्तमानातील विजयांची गोडी माझ्यासाठी काही औरच होती. अनोळखी वळणावर तुझ्या पावलांची मिळालेली साथ म्हणजे एकेरी जीवनात झालेली बेरीज होती. जगण्याचे सारे संदर्भ तुझ्यापाशी येऊन थांबायचे, तेव्हा जीवन हे मधुर व रसाळ वाटायचे.

मला तुझ्यात शोधताना मी माझ्यात उरत नव्हतो, नेहमी तुझ्यापासून दूर राहण्याचे प्रसंग आले की त्या दिवसांमध्ये तू मला आत्मविश्वासाने कॉलेजभर शोधायचीस, तेव्हा-तेव्हा नेमका तुला अपेक्षीत चेहराच नजरेस पडायचा.

तू उदास असताना मी तुझ्या घराचा उंबरठा ओलांडला होता. त्यावेळेस तुझ्या चेहऱ्यावरचे भाव तू माझ्या नजरेपासून लपवू शकत नव्हतीस. तुझ्यापासून दूर रहाताना बऱ्याचवेळा विरहाची संगत माझ्या जीवावर यायची.

तुझ्याबरोबर जगताना दिवस कसे भराभर निघून गेले, ते कळलेच नाही. तू जीवनात आलीस तो दिवस; कारपेंटरीचे वर्कशॉप-ड्राँईंग आणि ते नववर्षाभिनंदन त्यानंतर थट्टा-मस्करी, तर कधी रुसवे-फुगवे यांचे सत्र सुरु झाले. या सर्व अमृतस्मृती काळजावर कोरल्या जात होत्या. अशातच भविष्यातील तडजोड आपल्याजवळ येत होती. ४ वर्षांच्या सहावासात आपल्या प्रेमाला कलंक लागेल असे कुठलेही पाऊल आपण उचललं नाही. आपण आपल्या प्रेमाला आदराच्या स्थानावर नेऊन बसवलं. (मी तरी ....)

निरोप घेताना तुझ्या गालांवरुन घरंगळणाऱ्या आसवांची ओल आजही उरात कायम आहे. माझ्या डोळ्यातून एक आसूही बाहेर आला नाही, कारण अश्रू ढाळण्याइतपत पाणीच त्यात उरले नव्हते. तुझ्यासोबत माझ्या आणि माझ्यासोबत तुझ्या असंख्य आठवणींची शिदोरी होती, आहे आणि राहणार.

तू सोडून गेलीस तेव्हा जीवनात पहिल्यांदा निराधार झाल्यासारखे वाटले.

''अंगणाच्या रांगोळीत रंग तू भरले,
झाली संध्याकाळ आणि आयुष्य तिचे सरले.''

अशी माझी परिस्थिती झाली,पुन्हा मी एकेरी जीवन जगू लागलो. यासाठी मीच जबाबदार होतो. मी सदैव घरच्यांचा विचार करत राहिलो. तूही किती दिवस वाट बघणार होतीस ? कधी-कधी लेखणी हातात घेऊन आठवणी कागदावर गुंफत राहिलो, तरीही मन रिकामं झालं नाही.

तू मला नंतर बऱ्याच कालावधींनतर भेटलीस, मात्र तू एकही शब्द माझ्यासाठी खर्च केला नाहीस. तुझ्यासाठी मी अनोळखी ठरलो होतो. कसा आहेस ? एवढे दोनच शब्द माझ्यासाठी पुरेसे होते. मात्र तुझ्या ओठांना जाग आलीच नाही. सहवास संपला याची मला जाणीव झाली. चार वर्ष सोबत जगल्यानंतर तुझ्याकडून दोन शब्दांचीच अपेक्षा होती. तसा आता माझ्या तुझ्यावर रागवण्याचा किंवा हसण्याचा काहीच अधिकार राहिलेला नाही. चार वर्षांपूर्वी एका रस्त्यावर आलो आणि आज पुन्हा रस्ते बदलले. कधी-कधी जगण्याचे सारे संदर्भ तुझ्यापाशी येऊन थांबायचे आणि आज जगणंच संदर्भहीन झालंय.

आज प्रत्येक चेहऱ्यात मला तूच दिसतेस. तुझ्या विरहात तुझ्या जपुन ठेवलेल्या आठवणी, साठवणी मला साथ देतात. तुझ्या सहवासात आलेल्या प्रत्येक ठिकाणाच्या सहवासासाठी मी प्रयत्न करतो. पण तुझ्या आठवणी माझे मन शांत करण्याऐवजी तुझी अधिकाधिक आठवण करुन देतात.

जिथं असशील तिथं सुखात रहावीस, एवढीच एक ईश्वराकडे प्रार्थना करतो. तू बोलली नाहीस - का बोलली नाहीस हे विचारण्यात मला स्वास्थ नाही. फक्त या ओळी वाचून स्वतःमध्ये डोकावण्याचा प्रयत्न कर.

लक्षात ठेव एकच आता,
सोडून जाताना माझे गाव,
कधी माझ्या उंबरठ्यावर
कोरलेले होते तुझेच नाव
शेवटी माझ्याच अस्तित्वाच्या खुणा
जणू लोपत आहे.
पहातो तुझेच स्वप्न
स्वप्नात होऊन दंग
विसरतो जग सारे
पण क्षणार्धातच समजते
की हे एक स्वप्न होते
आणि म्हणून ओढ लागते
तुला भेटण्याची ....
तुझ्याशी बोलण्याची .....

तुझाच

मिलींद देसले तृतीय (विद्युत)

चुकलेत माझे शब्द !

चुकल्याचुकल्या सारखं वाटतयं
मला कळत नाहीयं का ?
वाटतं .....
खरंच मी चुकलोय ?
की चुकलेत माझे शब्द ?

काही जणं होती तिथं
अचानक खेचली गेली मी,
हसली, खेळली, त्यांच्याबरोबर
खूप खूप गोष्टी बोलली !

पण, आता बोलण्यासारखे
माझ्या कडे नाही उरले शब्द
खरंच सांगा मी चुकलोय ?
की चुकलेत माझे शब्द ?

सूर्याशी नातं तुटलयं.
राहिलाय फक्त अंधार
भीती वाटतेय मला
शोधतोय मी आधार,

आणखी किती दिवस राहील
वातावरण हे स्तब्ध ?
खरंच सांगा मी चुकलोय ?
की चुकलेत माझे शब्द ?

अरे, तू पण कसा वेडा
अंधारात शोधतोस आधार
बोल कोणाशी तरी,
खुले कर मन,
त्या सगळ्यांना जाब विचार
खरंच सांगा मी चुकलोय ?
की चुकलेत माझे शब्द ?

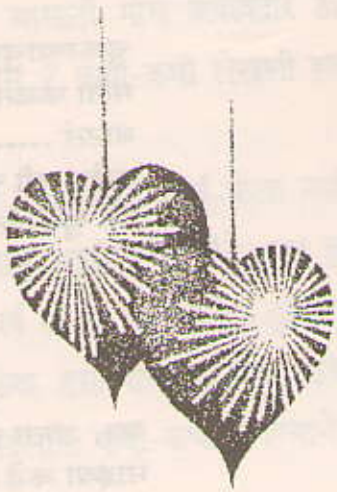
उत्तर मिळेल तुझ्या प्रश्नाला
विचारांना मिळे दिशा नवी
वाटेल तुला की
ती सगळी माणसं हवी

आता वाईट विचार राहिले अंधारात
जीवनाला मिळाली आहे नवी वाट
बरं वाटलं आता, सांगू कसं तुंला ?
या शब्दांनीच वाचवलंय मला !

चूक झाली आहे माझ्याकडून ?
की चुकीचे समजलो मी शब्द
मंद खुशीच्या स्मितहास्यात
हे जीवन होतंय निःस्तब्ध !!

पुष्कराज
अंतिम वर्ष (माहिती तंत्रज्ञान)

आपण दोघे बोलत असताना.....



आपण दोघे सलगीने एकमेकांशी बोलत असताना
तू हातात हात द्यावास म्हणून मी पुढे केला माझा हात, तर
तू त्याच्याकडे बघून बघून न बघितल्यासारखे करीत
तशीच बोलत राहीलीस पुढे
कोठल्यातरी भलत्याच विषयांवर
तेव्हा केवढा छेद अनुभवला मी आतल्या आत
दिसले तुटक झालेले रस्ते क्षणार्धात.
तू जाणिवपूर्वक अबोल
मी न बोलता खजील
किती केविलपणा दिसत राहिला मला माझा हात तेव्हा
किती अवघड वाटले ते, हात मागे घेतनाचे अंतर
मनाने किती कठोरपणे नाकारले नाते त्या हाताशी.
मी अटळपणे उभा अजून त्याच वळणाशी
कसा विसरायचा तो क्षण
जो विवस्त्र करुन गेला माझे मन
हसत राहिली समोर माझी अवहेलना बघून.
मी ह्या क्षणाला मूठमाती कशी देऊ ?
या हाताशी शरीराशी जुळवून कसा घेऊ ?

दिपक अनिल वाघ
द्वितीय (विद्युत अभियांत्रिकी)



श्रध्दांजली

श्री. मधुसूदन यशवंत शेट्ये

संरचनात्मक विभाग यांना १४ मे २००३ रोजी देवाज्ञा झाली. ईश्वर त्याच्या आत्म्यास शांती देवो ।

नशीब

अगदी गौंधळात टाकणार शब्द ... विश्वास ठेवावा की नाही ? या बद्दल नेहमीच सर्वांचं द्विमत. अगदी माझंही. प्रत्येकजण आपलं नशिब घेऊन जन्माला येतो. ज्याच्या त्याच्या नशिबाचे रंग वेगवेगळे असतात. अन् क्षणभरापूर्वी आकर्षक दिसणारा हा रंग थोडयाच वेळात रंगहीन झालेला दिसतो. आपण गप्प बसून पाहतो, असं करायला हवे होते, तसे करायला हवे होते. अशा बोलण्याचा नंतर काहीच फायदा होत नाही.

काही नसतं नशीब.... वगैरे. हे सगळे आपल्याच मनाचे खेळ असतात. आपण खंबीर असावं आणि आपल भवितव्य आपलं आपणच घडवावं. जे आपण ठरवतो तेच होऊ शकतं. आणि तेच मिळेल पण त्यासाठी आपल्या मार्गावर आपली श्रद्धा हवी आणि विश्वास हवा आणि त्यासाठीच आपण प्रयत्न केले पाहिजेत. मग आपण जे ठरवतो तेच होतं.

हे सर्व एका मर्यादेपर्यंत खरं आहे. पण अचानक कधी आपणाला न समजण्याजोग्या गोष्टी घडत असतात. प्रामाणिकपणे प्रयत्न करुनही आपण जे ठरवतो ते मिळत नाही आणि दुसरचं काहीतरी घडंत ! असं का ? या प्रश्नाचं निर्णायिक उत्तर देणं मग फार कठीण होतं. मग या नशिबाचाच आधार घ्यावा लागतो.

जीवनात असे बरेच बरे - वाईट प्रसंग घडतात. त्यांचा भडिमार कधी होईल हे आपण ठरवू शकत नाही. किंवा आता थोडं सुख असायला हवे असा विचार करुनही काहीही होत नाही. जीवन जगत राहायचे असते. आपापल्या नशिबासह एवढचं आपण करु शकतो. तेही नशिबाची देणं असेपर्यंतच.

खरचं नशीब काय खेळ करुन दाखवील हे आपल्याला समजाण्याजोगे नाही पण खरंच नशिबाला मिटवण्याची अथवा त्याच्या विरोधात जाण्याची शक्ती कोणातही नाही.

राहुल घोडके
द्वितीय (यांत्रिकी)

पाऊस पडत असताना ये तू ....

पाऊस पडत असतानां ये तू
बर असतानां मोहक वारे
जग निजले असतानां ये तू
रान हरे झाल्यावर सारे
गंध नव्या मातीचा उधळीत
पडती पाऊस आणिक वारा
स्पर्शून जा तू अशीच कोमल
पुलकीत कर हा देहच सारा
जवळ तुझ्या मज बसून बघू दे
बंद तुझे ते अर्धनयन
केसांच्या या बटांबरोबर
ओघळलेले माझे मन
शांत अचल या रानामध्ये
पावसाची ही कुजबूज ऐकत
पुस्तकातल्या त्या मोरपिसाचे
सांग मला तू खरे मनोगत
पाऊस पडत असताना ये तू
बर असतानां मोहक वारे
जग निजले असतानां ये तू
रान हरे झाल्यावर सारे.

रविन्द्र मुंजे
तृतिय (विद्युत)

राह

पी. जी. नौकरीयाँ

बी.ई

टी.ई

एस.ई

एफ.ई



"राह"



मनीष अगरवाल
(तृतीय विद्युत)

पिछले कई वर्षों से 'दिशा' के माध्यम से छात्र-छात्राओं को राष्ट्रभाषा की कई रोचक जानकारियाँ हासिल हुई है । उसी शृंखला में इस वर्ष भी राष्ट्रभाषा के विविध आयामों के लिए भरपूर सामग्री प्राप्त हुई है, जिसे हम 'राह' के माध्यम से सुधी पाठकों तक पहुँचाने का भरपूर प्रयास कर रहे है । आशा है यह सबको पसंद आएगी । कविता साहित्य की आत्मा होती है, बिना कविता के साहित्य की चर्चा बेकार हो जाती है । इसी भाव को ध्यान में करते हुए हमने ज्यादातर कविताओं को महत्व दिया है । आधुनिक परिवेश में सामाजिक, राजनितिक एवं नैतिक मूल्यों का अंधाधुन्द पतन हो रहा है । इन्हे सही राह में लाने के प्रयास से ही कविताओं का चयन किया गया है । आज की दौड-धूप की जिंदगी में इससे ज्यादा सुगम और कुछ नही हो सकता । विद्यार्थी अपने अतीत, वर्तमान, एवं भविष्य पर दृष्टिवात करते हुए अपना प्रगति पथ प्रशस्त करें ।

'राह' ने इस दिशा में पूर्ण सहयोग दिया है । छात्र देश के लिए-उच्चतम एवं महत्तम आदर्श, स्थापित कर देश को नई दिशा और दशा 'राह' के माध्यम से प्रदान करे । यह सारा प्रयास उसी की एक कड़ी है ।

"इसमें सब कुछ अपना है
इसी प्रयास में रहता हूँ ।
शाखा 'दिशा' की सुमन्नत हो,
यही सदा सोचा करता हूँ ।"

किसी भी प्रोत्साहन या किसी की सार्थक सहायता के बिना कोई भी अपेक्षित मुकाम तक नही पहुँत सकता है । अत: 'राह' की वर्तमान अवस्था उन सब शिक्षकों, सहयोगियों, सहपाठियों और सज्जनों के समुचित प्रयास तथा प्रोत्साहन के बिना अकल्पनीय है । इन सभी महानुयावो के प्रति आभार प्रकट करना मैं अपना सौभाग्य ही समझता हूँ ।

धन्यवाद ।।

भारतीय रेल



घडी के काँटो ने जैसे ही
निर्धारित समय को छुआ
पैसेंजर ट्रेन का आगमन हुआ
मैंने स्टेशन मास्टर को जाकर दी बधाई
वाह क्या भारतीय रेल वो भी समय पर आई ।
स्टेशन मास्टर थोड़ा मुस्कुराया
फिर अपनी औकात में आया
बोला बाबूजी -
"हमने भारतीय समय की परंपरा
पूरी ईमानदारी से निभाई है ।
ये तो कल की ट्रेन है
जो चोबीस घटे विलंब से आई है" ।

विजय भंडारे
(तृतीय विद्युत)

शादी ना करना



खुद अपनी मुसीबत का फार्म ना भरना
कुआरे ही रहना कभी शादी ना करना
कहेगी बाजार से सब्जी लेकर आओ
प्यार से घर में झाडू भी लगाओ
बच्चे हो जाने पर बच्चो को खिलाओ
उनके लिए बाजार से खिलौने भी लाओ
जीना हो जाता है घुट-घुटकर मरना
कुँआरे ही रहना कभी शादी ना करना ।।
कहती है मुझे सोने का हार चाहिए,
कंगन, लिपस्टिक, सोलह-सिंगार चाहिए
सामानों की लिस्ट देखकर आता है पसीना,
इस महँगाई के जमाने में मुश्किल है जीना,
कुँआरे ही रहना कभी शादी ना करना ।
'भगवान' के बारे में सोच ब्लडप्रेशर बढ़ता जाता
जिंदगी की गाड़ी को यूँ ढकलते जाना
मेरे कुँआरे भाईयों इन बातो का
सदा ध्यान रखना
इन महान कार्यों को मुझे पडा है सहना
नींद की गोली खाकर पडता है मुझे रहना
बस रह जाता है खाली हाथों को मलना
खुद अपनी मुसीबीत का फार्म ना भरना
कुँआरे ही रहना कभी शादी ना करना ।

भावेश बद्रीचा
(तृतीय विद्युतकण)

हार नहीं होती

लहरो से डरकर नौका पार नही होती,
कोशिश करने वालोकी हार नही होती ।
नन्ही चीटी जब दाना लेकर चलती है ,
चढ़ती दिवारींपर सौ बार फिसलती है ।
मन का विश्वास रगों मे साहस भरता है,
चढकर गिरना गिरकर चढना न अखरता है ।
आखिर उसकी मेहनत बेकार नही होती
कोशिश करनेवालो की हार नहीं होती ।
डुबकियाँ सिंधु मे गोताखोर लगाता है,
जाकर खाली हात लौट आता है ।
मिलते न सहजही मोती गहरे पानी में,
बढता, दूना उत्साह इसी हैरानी में ।
मुट्ठी उसकी हर बार खाली नहीं होती,
कोशिश करनेवालो की हार नहीं होती ।
एक चुनौती है स्विकार करो,
क्या कमी रह गई देखो और सुधार करो ।
जब तक न सफल हो, निंद चैन को त्यागो तुम,
संघोर्षो का मैदान छोडकर मत भागो तुम ।
कुछ किये बिना ही जयजयकार नही होती,
कोशिश करनेवालो की हार नहीं होती ।

मनीष अगरवाल (तृतीय विद्युत)

भटका राही



ये गम का सैलाब थम क्यों नहीं जाता
जो बित गया वो पल लौट के क्यों नहीं आता ।
जो देखा है आँखो में सपना वो सच क्यों नहीं हो जाता ।
आज का पल कल में कल का आज में क्यों नहीं जाता
हकीकत एक सपना सपना एक हकीकत क्यों नहीं बन जाता ।
पल-पल की बात हैं यह पल बित क्यों नहीं जाता
माना ये मेरी चाहत हो, पर ये क्यों पुरी नही हो जाती ।
अब तो मौत के पल का इतंजार है
पता नही वो पल क्यों नही आ जाता ।

नीशाद तूपे (तृतीय विद्युत कण)

सच्चाई

बे मौसम बरसात हो तो
बरसात बुरी लगती है ।
घर मे पड़ी हो लाश तो,
बारात बुरी लगती है ।
दिल हो उदास तो,
हर बात बुरी लगती है ।
जनता करे बगावत तो,
सरकार बुरी लगती है ।
शिक्षक का न हो साथ तो,
पढ़ाई बुरी लगती है ।
कवी का न हो साथ तो,
कविता अधुरी लगती है ।
क्या करे इस संसार में
सच्चाई की हर बात बुरी लगती है ।

अमोघ कंक (तृतीय विद्युत)

तेरा साथ



जान से ज्यादा प्यारा ऐ,
कागज कलम तेरा सहारा ।
दोस्तों की कमी नही दुनिया में ,
पर तेरे जैसा यहाँ कोई नही ।
बस तू साथ रहे, इस भरी दुनिया में,
जित जाऊँगा हर जंग आसानी से ।
कोई प्यार करे न करे मुझे,
तेरा प्यार बहुत है जिने के लिए ।
याँद नही अपनी पहचान कैसे हुई ।
तेरे लिए दिल में इतनी जगह कैसे हुई
क्या नाम दूँ मै तेरी दोस्ती को
ऐ दोस्त तेरी दोस्ती का जवाब नहीं ।
दुनिया ने कहाँ, पैसे है सबसे बड़ा
पर अब तो पता चला इन्सान है कितना झुठा ।
पैसों से खुशी तो खरीद सकते है ,
पर अपने गम नही बाँट सकते ।
पैसों से लोग मिल सकते है ,
पर सच्चे दिल नही मिलते ।
चाहे तो सब साथ छोड दे,
पर तू न जाना दूर कभी ।
बस अब इतनी दुआँ करता हु ,
कि जान छुटे पर तेरा साथ न छुटे कभी ।

दिपक सोहलिया
(द्वितीय विद्युत)

कोई न समझ पाया ..

मैं तो भीड़ बहुत है इस जहाँ मे मगर,
हमने हर वक्त खुदको अकेला ही पाया ।
उससे कहाँ माँगे खुशी के लम्हें ,
जब गम ही हमारे नसीब में आया ।
मैं सोचता उस खुदा के बारे में,
बेवजह हमें यहाँ क्यों ले आया।
यहाँ तो सब जिंदा लोग है शायद,
इसीलिए तो हमें कोई न समझ पाया ।

पंकज चव्हाण (चतुर्थ विद्युत)



कहाँ है कमी ढूँढो

आसमान ढूँढो जमीन ढूँढो,
मिले तो कही आदमी ढूँढो।
लगे हर चेहरा मातमी,
कहाँ खोई खुशी ढूँढो ।
हृदय से छलके अँधेरो पर,
मित्र निश्चल हँसी ढूँढो ।
बहल जाए मन पल दो पल,
जगह कही ऐसी ढूँढो ।
आज बिन पैसे दुनिया में,
कही पर बात बनी ढूँढो ।
लुप्त बचपन के अंधेरो से,
कहाँ मुस्कान हुई ढूँढो ।
झुर्रियों से भरा चेहरा,
उदास क्यों, उनकी खुशी ढूँढो ।
क्यों रिक्तता है हर मन में,
कहाँ पर है कमी ढूँढो ।

भूषण पाटील
(तृतीय विद्युत)

माँ

जिसकी आँचल मे पलकर
हुए है हम बड़े ।
जिसकी मेहनत के कारण,
अपने पैरों पर है खडे
जो हरपल प्रेम को है दर्शाती ।
दया को है बर्शाती
ऐसी पावन शक्ती
माँ है कहलाती ।
और क्या कँहू इसकी प्रशंसा मे
शब्द नही मिलते,
माँ की ममता से तो बंजर धरती
पर फूल है खिलते ।

भ्रष्टाचार

यहाँ लूट-पाट वहाँ लूट पाट
नहीं सूझती मुझे कोई बात
बैठा जब सबके साथ
आया विषय मुझे यही याद
न आचार ना विचार
बस केवल भ्रष्टाचार।
नेता हो, या मंत्री,
डॉक्टर हो, या तंत्री
सबके मन मे बस
बजती यही घंटी
ठाट हो या बाजार
बस केवल भ्रष्टाचार !
देश के रक्षक
बस बन बैठे है भक्षक
एक दो तीन चार
भ्रष्टाचार ! भ्रष्टाचार !

विनीत गुप्ता
(द्वितीय विद्युत)



"जय जवान, जय किसान और जय विज्ञान"



'जय जवान, जय किसान' प्रेरणादायक नारा हमारे पूज्य दिवंगत नेता श्री. लाल बहादूर शास्त्रीजी ने देश को दिया था । इस नारे में 'जय विज्ञान' का जयघोष हमारे भूतपूर्व प्रधान मंत्री श्री अटल बिहारी वाजपेयीजी का दिया हुआ है ।

हमारे राष्ट्र को कई बार लड़ाई में उलझ जना पडा, जिसकी जिम्मेदारी हम पर कतई नहीं थी । वैसे तो लड़ाइयाँ हमेशा ही घातक हुआ करती हैं, पर कभी कभी उसके परिणाम अच्छे भी निकल आते है । इन लड़ाईयों में हमारी विजय हुई और हमारे देश के बहादुर जवानों ने शत्रुओं से अपना लोहा मनवाया ।

एक प्रकार से इन लड़ाईयों में हमारे धर्म निरपेक्षता और उदरता के वे आदर्श हुए पूरे होकर एक बार फिर से मजबूत हुए जो हमारी राष्ट्रीय चेतना के आधार स्तंभ है । जिस एकता और साहस से हमारी सेनाओं ने दुश्मन के दाँत खट्टे किये, वह हम सभी के लिए एक मिसाल होनी चाहिए । हमे विश्वास है कि अपनी मातृभूमि की अखंडता को बनाये रखने के लिए हमारी सेनायें सशक्त और मजबूत हैं। हमारे जवानों ने जो जमीन और आकाश में अद्‌भूत विरता दिखाई, जो बलिदान दिये, उनकी कहानियाँ हमारे इतिहास में स्वर्ण अक्षरों से लिखी जाऐगी । देश की रक्षा करते हुए जो हसँते हँसते शहीद हो गये, उनकी भी एक लम्बी सूची है । समूचा राष्ट्र बडे गर्व से इन शहीदों को हमेशा याद करता रहेंगा ।

इस नई सदी में भारत में संपूर्ण विश्व में अपनी एक नई पहचान बनाई है । और यह नई पहचान है एक ऐसे भारत की जो की आज सूचना प्रोद्योगिकी के क्षेत्र में विश्व में सबसे आगे है । हमारे भारतीय वैज्ञानिकोनें परमाणु परिक्षण कर विश्व को एक बार फिर दिखा दिया की भारत को कमजोर व असहाय समझने वाले देश सावधान हो जाए क्योंकि उनकी हर गुस्ताखी का मुँह तोड जवाब दिया जाएगा ।

भावेश राणावत
(द्वितीय विद्युत)



अंदाज

जिंदगी जीने न दे,
मौत पास आने न दे,
इस जीवन सागर में,
जीवन नैया पार कैसे करे ?
मंजिल मिलने की थी,
राहे भटकती गई,
राहों की ढूँढा था जब
वहाँ मंजिल ही न थी ।
दुःख में जीकर
सुख सपनों में पाते है लोग,
यहाँ सपनो के लिए भी
नींद आती नही ।
जीवन के आक्रोश में,
सहारो की तलाश है ।
मुझे हमसफर मिलेगा
यह मेरा विश्वास है ।
इसलिए जिंदा हूँ,
यह मेरे जीने का अंदाज है .

सचिन चौठानी
तृतीय वर्ष (विद्युतकण)

शायरी

पँखो में अगर उड़ान है ,
तो गगन पंछी से दूर नही,
आँखो में अगर मुस्कान है,
तो इन्सान आप से दूर नही,
श्रध्दा में अगर जान है,
तो भगवान आप से दूर नही,

सचिन चोठानी
तृतीय वर्ष (विद्युतकण)

रिश्ते

क्यों मेरी हर गलती के बाद,
आपने दिया मेरा साथ ।
क्यों मेरे गिरने पर,
आपने पकड़ा ये हाथ ।
क्यों मेरी राहों में,
आपने फुल सँवारे ।
क्यों इन फूलों के साथ,
आपने दिए मुझे काँटे ।
क्यों मेरे हर आँसू को,
आपने हैं मिटाया ।
क्यों इस रोने के साथ,
फिर हँसना सिखाया ।
क्यों मेरे झुकने पर,
आपने रखा सिर पे हाथ ।
क्यों मेरी बुराइयों को,
आपने दिया महत्त्व ।
क्यों मेरी कमियों को,
आपने है अपनाया।
क्यों इस अकेलेपन में,
फिर दिल से है लगाया ।
क्या कहूँ मैं और आपसे,
जिसने किए मुझपे इतने एहसान ।
कैसे चुका पाऊँगी ये कर्ज,
जिसने समय दिया, सौ साल का ।
सबने है ठुकराया ,
तो फिर क्या आप अपनाओगे ?
अगर मैं पूछूँ आपसे,
तो क्या दोगे इन सवालों का जवाब ?
कही दिल के कोने में,
क्या सचमुच करते हो प्यार?

उर्मी मजिठिया
प्रथम वर्ष (अ)

'किस्मत'

कल भी मन अकेला था आज भी अकेला है
जाने मेरी किस्मत ने कैसा खेल खेला है ।
ढूँढते हो तुम खुशबू कागजी गुलाबों में,
प्यार सिर्फ मिलता है आजकल किताबों मे ।
रिश्ते नाते झूठे है, स्वार्थ का झमेला है
जाने मेरी किस्मत ने कैसा खेल खेला है ।
कल भी मन अकेला था आज भी अकेला है
जिंदगी के मंडप में हर खुशी कवारी है,
किस्से माँगने जाए हर कोई भिखारी है ।
सभी की आँखो मे आँसुओं का रोना है
जाने मेरी किस्मत ने कैसा खेल खेला है ।
कल भी मन अकेला था आज भी अकेला है

विनित गुप्ता
(द्वितीय विद्युत)

बंदर की हाथ में तलवार

खाई गधों ने खीर, सरे आम देखिए
है सोच में कबीर, सरे आम देखिए ।
हर पारटी में बटने लगे इस तरह टिकट
नेता बने फकीर, सरे आम देखिए ।
ऐसी हवा चली है इलेक्शन की इन दिनों
बिकने लगे जमीर, सरे आम देखिए ।
घाटा नहीं है जिस में वह धन्दा है सियासत
चमचा भी है अमीर, सरे आम देखिए ।
शहरों में लूट मार का चर्चा है आजकल
डाकू बने वजीर, सरे आम देखिए ।
सच बोलने पर लोग उडाएँगे सब मजाक
झूठा बने है मीर सरे आम देखिए ।
मौका मिले तो गैर की पगड़ी उछालिए
भाषण बने है तीर, सरे आम देखिए ।

(आसीफ मंसूरी)
द्वितीय विद्युत)

हमारे और उनके दरमीया

हमारे और उनके दरमीया
कही कुछ तो बात थी ।
हम दिन में तारे ढुंढा करते थे,
और उनके पलको, तले रात थी ।
खैर, तुने मुझे जाना तो,
मेरा ये तकल्लुफ बहाना ही सही,
तेरी नजरोंमें मैं दिवानाही सही !
वो किस अदा से आया था,
किस कदर चला गया ।
हमारे दिल को कदमों तले रौंद के,
बेखबर चला गया ।
अपने जनाजे में तुझे भी बुलाएँगे ।
हँसा करती थी तू जीसपर
उसी उलफत के नामपर
तुझे रुलाएँगे ।
वो भी है, दर्द भी, तनहाई भी
चाहे भी तो इस दिल से किसको निकाल दे ?
इससे अच्छी क्या मिसाल दे ?
कोई हमसे ना पुछे के हम
इस टूटे दिल के सहारे कैसे जीया करते है ।
हम वही है जो आज भी खयालों में,
उस बेवफा से गुफ्तगु किया करते है ।

मिलींद देसले
(तृतीय विद्युत)

कौन कहता है कि 'ताज' इश्क की
निशानी है, लगता है खून,
पर देखो तो पानी है !!
अगर बादशाह को बेगम से महुब्बत होती,
तो उस महुब्बत में थोडी नजाकत होती ।
अपने हाथो से बनाता वो हकीकत होती.
ना गैरो की अक्ल, न मजदूर
की मेहनत होती ।

विजय भंडारे
(तृतीय विद्युत)

With Best Compliments From

BHAVAN'S BOOK STALL



For School, CBSE College,
Microbilogy, Compter,
Technical & Management books,
Stationery Articles, Story books,
Presentation Articals, Games,
Engineering books, General books,
& All Occcasion Grettings,
Rexine Binding & Embossing Work

BHAVAN'S COLLEGE CAMPUS

Munshi Nagar, Andheri (West),
Mumbai - 400 058.
Tel. : 2623 2839 / 2624 3410

Dear Students

With Our
Financial Assitance
Achieve Your Goal !!!

abc...PHD

Bank of India Provides
Educational Loan at Compititive Rates

PLEASE CONTACT OUR NEAREST
BRANCH FOR FUTHER DETAILS :

Bank of India
The Guiding Star
Mumbai North Zone
Bank Of India Building
S. V. Road, Mulund (W)
Mumbai - 400 064

बैंक ऑफ इंडिया
पथ प्रदर्शक सितारा

Bank of India
The Guiding Star

Deposite Schemes

- ☆ **SDR** - 15 = 179 days
- ☆ **RD** - Recurrong Deposite
- ☆ **MIC/Qic** - Interest payable Monthly / Quarterly
- ☆ **SAVINGS PLUS** - Combination of SB & Short deposites
- ☆ **CURRENT PLUS** - Combination of CD & Short deposites

Ancillary Services

- ☆ CREDIT CARDS
- ☆ ATM CARDS
- ☆ DEPOSITORY SERVICES
- ☆ DEMAT SERVICES
- ☆ FOREIGN EXCHANGE SERVICES
- ☆ LOCKER FACILITY
- ☆ SAFE CUSTADY FACILITY
- ☆ TELE BANKING
- ☆ GOVERNMENT BUSSINESS - Tax Collection / PPF / Pension Payment
- ☆ MULTI BRANCH BANKING
- ☆ INTER / INTRA CITY
- ☆ And many more services of which one is value added, caring Customer Services for details please contact our 2500 + branches all over the nation.

Loans

- ☆ CLEAN PERSONAL LOANS
- ☆ HOUSING LOANS
- ☆ PERSONAL LOANS - Cars, Consumer Durable
- ☆ SSI LOANS
- ☆ EDUCATION LOANS
- ☆ SPECIAL SCHEMES FOR DOCTOR
- ☆ SPECIAL SCHEMES FOR WOMEN ENTERPRENEURS
- ☆ LOANS TO RETAIL TRADERS
- ☆ LOANS AGAINST PROPERTY (MORTGAGE LOANS)
- ☆ LOANS TO CORPORATES

Depostie Services
Housing Loans
Consumer Loans
Demat Accounts

Education Loans
Multi Branch Banking
Tele Banking
Credit Cards

बैंक ऑफ इंडिया
पथ प्रदर्शक सितारा

Bank of India
The Guiding Star

With Best Compliment's From

New Allwyn

Stationery & Xerox

MASTERS IN :
XEROX, COLOUR XEROX,
OFFSET PRINTING

special in :
Modi Xerox, Jumbo Xerox, Colour Xerox, Lamination, Spiral Binding

Shop No.2, Satamwadi, Near Solitare Corporate Park, Opp. Samarpan Complex, Andheri (E) Mumbai - 400 099.

With Best Compliment's From

Bombay Ferrocement Co.

Attention Engineering Students!!!
Become An

ITP

INFORMATION TECHNOLOGY PROFESSIONAL

Course Contents
C, C++, Java, Access, SQL, Oracle, Visual Basic

Please Bring this Ad. Cutting to avail a Genuine Discount of **25%**

RAJ COMPUTERS ACADEMY
A Div. Raj Software Technology (I) Ltd.
Opp Chamunda Circle,
S. V. Road, Boravli (W)
WE MAKE IT HAPPEN **Tel. No. : 2807 2204 / 2861 6477**

With Best Compliment's From

SANTOSH PLASTIC INDUSTRIES

With best compliment's from

Speed

Bharatgas

In&Out

Autogas







The result of innovative brand management, cutting edge technology and investment in our people.

The rewards?

Customers who are delightd.
relationship built and sustained.
awork force that is result oriented.

As a corporation, what next?

Innovating. Competing. Performing.
To deliver. To enhance stakeholder value.
To stay Ahead!

Pronite - Sponsorer at S.P.A.C.E. 2004

Disha 2004

WITH
BEST
COMPLIMENT'S
FROM

ANCHOR

ANCHOR

Electricals &
Electronics Ltd.

Printing - Sponsorer at S.P.A.C.E. 2004

WITH BEST COMPLIMENT'S FROM

Apurva

Sales Corporation

Supplier of : Ballbearings, V-Belts, Hardware, Tools, Electrical goods, & Genral Merchant



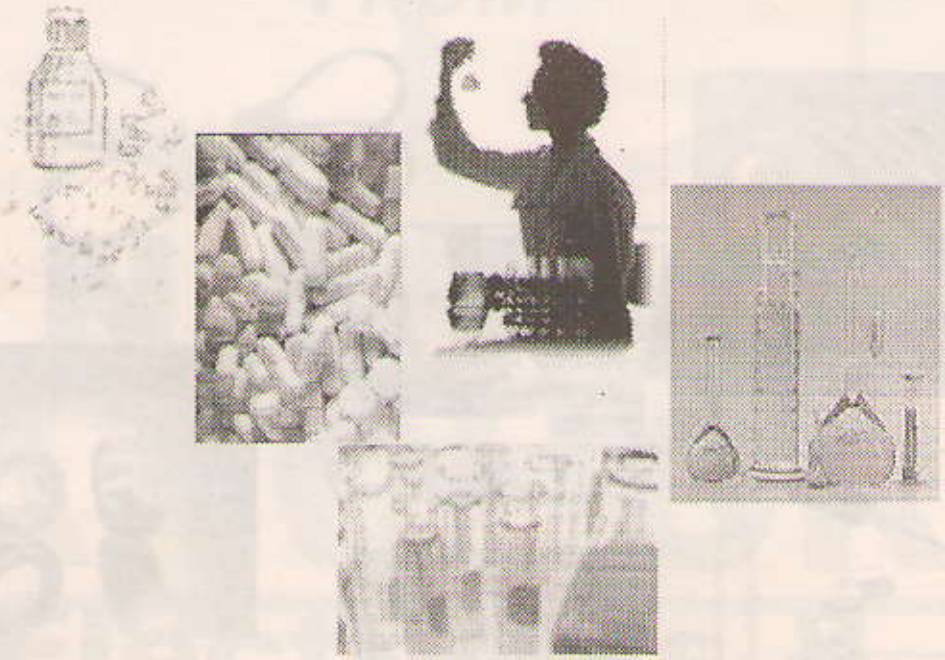
59, V. V. Chandan Street, 3rd Floor,
Room No. 12, Vadgadi, Bombay - 3.

With best compliment's from

P & B Pharmaceuticals (P) Ltd.

P & B Labrotories(P) Ltd.

Pharma chem Distributors



Excel House,
Village Satavali,
Vasai (E) Dis. Thane

B. E. (CIVIL)

2003 - 2004 BATCH



Amit B.Jangam
amit_jangam@indiatimes.com



Amit Banka
amitbanks@hotmail.com
Tel. 28353711



Amol B. Tambewagh
coppertiger@rediffmail.com
Tel. 26354084



Amol Nikam
nilam_amol@yahoo.co.in
Tel. 02164 265500



Aniruddha V. Jawade
anijawde2003@yahoo.co.in
Tel. 0721 2511525



Chandrakant B. Avhad
chand_avhad@yahoomail.com
Tel. 25297109



Dattaram J. Parsekar
dattasays2@rediffmail.com
Tel. 24701096 M 9819338617



Deepti Bhagat
nsdb2003@yahoo.com



Dhaval Doshi
dhavldoshi2@yahoo.com



Divya Gadiyar
Tel. 28962460



Ganesh G. Gholap
ganesh_29@sify.com
M 9820343795



Jayesh H. Achrekar
jay2cad@indiatimes.com
Tel. 24703045



Jayesh K. Shinde
jayeshkshinde@indiatimes.com
Tel. 26708156



Karthikeyan Naidu
naidu_karthikeyan82@yahoo.co.in
Tel.26670733



Kashinath D. Mudhale
kashimu2001@yahoo.co.in
Tel. 0230 2450417



Lakshmikant B. Mallya
lbmallya@yahoo.com
Tel. 26778795



Madhavi R. Zore
madhavizore@indiatimes.com



Maithilee Deshmukh
maithilee_deshmukh@rediffmail.com



Prasad Mynak
prasadmynak@rediffmail.com
Tel. 25295210



Naleen kumar Verma
vermark1979@indiatimes.com
Tel. 02222161349



Nilesh A. Walavarkar
aawalavarkar@vsnl.net
Tel. 28970400



Nilesh Nayak
nilesh32@yahoo.com
Tel. 26734497



Nirmala Kamat
nirmalagsk@rediffmail.com
Tel. 26303022

B. E. (CIVIL)

2003 - 2004 BATCH (Contd...



Nisha Nikam
nisha_nikam@hotmail.com
Tel. 25585477



Prashant J. Patil
prashantpatil82@yahoo.co.in
Tel. 25362225



Prashant S. Sukali
prashant_sukali@indiatimes.com
Tel. 28260221



Prishit A.Thakur
M 9821540035



Pritam Patkar
pritam_patkar@yahoo.co
Tel. 02526 271045



Punit Mehta
punit02@yahoo.co.in
Tel. 26116559



Rajan Kalekar
rajan_box2004@yahoo.com



Rajesh Pable
rajeshmilgaya@indiatimes.com
Tel. 23013348



Rakesh B. Gavit
rakesh_gavitspce@yahoo.com



Roshan Pereira
rossun@indiatimes.com
Tel. 28509125



Sanjay D. Rawat
sanjay@yahoo.co.in
Tel. 22162652



Santosh Tiwari
wozzeck216@yahoo.co.in
Tel. 0385 2427686



Saurabh Kabre
saurabhkabre@rediffmail.com
Tel. 95250 2432825



Sumedh Jadhav
Tel. 25906588



Sunil Dhuri
dhurisunil@yahoo.com
Tel 26129071



Suraj Parab
suraj_bptaurean@rediffmail.com
Tel. 25909775



Tushar S Badgujer
tusharbadgujar@rediffmail.com



Vighnesh Deshpande
vighnesh_d@rediffmail.com
Tel. 28788822



Vijay A.Kamble
gladvictor25@indiatimes.com



Vikram M.Gaikwad
vikram_gaikwad@indiatimes.co
Tel. 28963576



Yuvraj Valvi
valvi@yahoo.co.in



Zankhana Patel
zankhu7@hotmail.com
Tel. 26187841

B. E. (MECHANICAL)
2003 - 2004 BATCH



Abhishek Dhok
abhishek_dhok@yahoo.co.in
Tel. 0721 2564153



Abhishek P Mondkar
abhimondkar@rediffmail.com



Amit Mohole
moholeamit@yahoo.co.in
Tel. 26686824



Amol Sankhe
amolsankhe@indiatimes.com
Tel. 952525 271879 M 9892977086



Anand S. Tawde
tawde_anand@rediffmail.com
Tel. 26686528



Anant Thakurdesai
anant_thakurdesai@indiatimes.com



Anil V. Patil
avipatil001@yahoo.co.in



Anish Parulekarl
Anish316@yahoo.com
Tel. 26365694



Anuradha Vaidya
anura82@yahoo.com
Tel. 25640867 M 9820572516



Chinar Chike
chinar@vsnl.net
Tel. 28420259



Devendra B. Sawant
dev_min1@yahoo.com



Girish Beldar
girish245@yahoo.com
Tel. 26370359



Haresh Manjrekar
haresh14982@yahoo.co.in



Hamish V. Jani
janihv@yahoo.com
Tel. 26712281 M 9820655180



Hitesh A. Suvarna
hitesh_a_s@rediffmail.com
Tel. 28991045



Jayodhan B. Lokhande
jay_victory@yahoo.co.in



Jitendra S. Chaudhari
js_Chaudhari@yahoo.com



Kalpesh Bari
ashoka19in@yahoo.com
Tel. 952525 263859



Kaustubh R Kulkarni
kaukulkarni@yahoo.co.in



Kaustubh Sunit Kulkarni
kaustubhs_kulkarni@yahoo.com
Tel. 27459351



Ketaki Joshi
ketaki23@hotmail.com
Tel. 26862432



Kundan Kharat
kundan_kool@hotmail.com



Kaushik Dana
kaushik_dana@indiatimes.com



Manasi S. Abhyankar
mansi_2k123@rediffmail.com
Tel. 26152301



Mittal Mistry
mittal1982@yahoo.co.in
Tel. 28325644



Mugdha Bhagwat
mugdha_bhagwat@hotmail.com
Tel. 26147422



Naresh H. Junagde
nareshjunagde@yahoo.com
Tel. 02525 237494



Naresh Waghela
naresh_d_w@yahoo.co.in
Tel. 23015479



Nikhil B. Patil
nikhilbpatil@yahoo.com



Nilesh D. Pradhan
nilesh_dp123@yahoo.co.in

B. E. (MECHANICAL)
2003 - 2004 BATCH *(Contd...)*



Nilesh R. Ukirde
ukirde57@indiatimes.com
Tel. 28863191



Nilesh S. Gangawane
nilesh_s_g@yahoo.com
Tel. 25783269



Niranjan Argade
niranjan_argode2002@yahoo.co.in
Tel. 26354084



Nishant H. Mehatkar
n_mehatkar@indiatimes.com
Tel. 022 28409685



Noel Castellino
noel_212@indiatimes.com
Tel. 26353641



Pradip S. Shewale
pradipola@indiatimes.com
Tel. 9890617567



Rahul Kohe
rahuliscool@yahoo.com
Tel. 24171212 M 9820486677



Rahul R. Yelre
rahul_y_r@indiatimes.com
Tel. 56028245



Resho Pingle
resho@rediffmail.com
Tel. 28638934



Rohit V. Welling
rohit2882@rediffmail.com
Tel. 28371203



Sagar Shinde
Tel. 28326165



Sandeep T. Pable
smartpable@yahoo.com
M 9819259418



Sandeep Pednekar
pednekar_s@sify.com
Tel. 2722053 M 9820873843



Sandeep Pratap
sandeep710@indiatimes.com
M 9892416387



Sandip Patil
sandip_a_patil@yahoo.com



Sathish Kasinathan
unforgivan_s23@yahoo.com
Tel. 24030057



Shveta Haritas
S_haritas@rediffmail.com



Siddhesh D. Khatau
siddhesh_khatau@yahoo.co.in



Sunil S. Yadav
y_sunil28@indiatimes.com
Tel. 26454022



Swapnil Shirodkar
swapnil17@rediffmail.com
Tel. 28367390



Vinayak Pawaskar
vin_pawaskar@indiatimes.com



Yogesh J. Tadel
yogeshmech@rediffmail.com
Tel. 95250 2341871



Yogesh Patil
yp_mech@yahoo.com

B. E. (ELECTRONICS)
2003 - 2004 BATCH



Abhas Agrawa
abhas03@hotmail.com



Abhijit K.
Biji_gyn@hotmail.com



AbhijitRane
asr_sp@yahoo.co.in



Abhimanyu Dhar
a_dhar2000@yahoo.co.in



Ajay Deodurkar



Ajay D'souza
me@ ajaydsouza.com



Akhlesh L.Rai
akhilesh_rai@radiffmail.com



Amit Kupate
amitskupate@yahoo.co.in



Ashish



Bhaveshpuri Goswami
bgoswamill@radiffmail.com



Chaitali Gaikwad



Deepti Kangutkar
deepti_uk@hotmail.com



Deepti Patil



Harshad Satam
harshadsatam@radiffmail.com



Jaydeep Jadhav
jaydeep_cam@indiatimes.com



Jeemish Modi
4jiamishmodi@indiatimes.com



Jwala Jawharkar
jwala_aj@yahoo.co.in



Jyoti G. Pol
jyoti_pol_04@yahoo.co.in



Kuwar Kailas
kailashspce@yahoo.com
Tel. 02565 253213



Lekha motiwala
lkmotiwala@hotmail.com



Madhavi A. Kadam
maddy_elex@yahoo.com



Mallika Kamat
mallika_kamat@yahoo.com



Manish R.Jain
mailmanish123@indiatimes.com
Tel. 28772235



Manoj R. Acharya



Mayank M. Singhania
mayank_singhania@indiatimes.com



Nikhil Madan



Nishad Manerikar
2manerikar@yahoo.com



Omkar Redkar
omkar82@yahoo.co.in



Parminder Bhatia
parminderbhatia@hotmail.com



Parag N. Shah
parag82@radiffmail.com

B. E. (ELECTRONICS)

2003 - 2004 BATCH

(Contd...)



Paresh Darji
pareshdotcom@yahoo.com



Pranit Satpute
pranit_satpute@indiatimes.com



Rachit Sharma
rac_s2000@yahoo.co.in



Rahul Nair
rahul_bhujack@rediffmail.com



Rajas A. Patange
rajas_403@yahoo.com



Rakhee V. Zinge
rakhizinge_8@rediffmail.com



Sachin Chavan
sachin_318@yahoo.co.in



Sagar Patel
sagar_patel@rediffmail.com
M. 9821924143



Sameer Mehta
s_mehta@9mx.net



Santosh S Gaikwad
santosh1983g@indiatimes.com



Santosh Jadhav
santrojackin@yahoo.com



Saumya Shekhar
saumyashekhar@hotmail.com



Saurabh Vartak



Sauvik Mandal
hellowsauvik@yahoo.com



Shah Dhruvin
shah_dhruvin@yahoo.com



Shruti Nadkarni
shruti_nadkarni@hotmail.com



Shrutika R.Patkar
shrutika_patkar@rediffmail.com



Siddharth Arur



Snehal C. Mahadik
snehalm82@rediffmail.com



Snehal Kale
snehal82@hotmail.com



Sukshema S. Vaghmare
sukehma@hotmail.com



Swapnil Vartak
swapnil_vartak@yahoo.com



Vidya Kajbaje
vidya_dk@yahoo.com



Vidyasagar Ayyappan



Vijay Todka
vijaytodkar@yahoo.com



Vishal Mistry
vishal_mistry28@rediffmail.com



Vivek Bhandari
vivek133@indiatimes.com



Yatin Rane
yatsy_rane@yahoo.com

B. E. (COMPUTER)
2003 - 2004 BATCH



Abhiji Bhatt
abhi296@yahoo.com



Abhijit V. Patil
abhijitvpatil@yahoo.com



Achint B.Dudhwala
achint_b_d@rediffmail.com



Aditya Oak
oakaditya@yahoo.com



Amruta Mayekar
amruta_1582@yahoo.co.in



Aneesh P. Vijayakar
apv17@rediffmail.com



Ankur Salunkhe
ankursal@hotmail.com



Anuj Nadkarni
icejoey27@hotmail.com



Arun Gunari
arun238@rediffmail.com



Ashish Thakkar
ashishy3k2000@yahoo.com



Bhushan Pande
bhushan910@rediffmail.com



Chanda Arolkar
planet_moon@yahoo.com



Chetan Thakur
chetand@indiatimes.com



Deepti Mehta
mehdeepin@yahoo.com



Dhwani Shah
itsdhwani@rediffmail.com



Dhiraj A. Gaikwad
dheeraj_gaikwad@yahoo.com



Dipti H. Ghadge
dips_here@yahoo.com



Gaurav Belanekar
gaurav_belanekar@yahoo.com
Tel.24583424



Gomati D. Bhimgade
gomati_2582@yaho.com
Tel. 27719885



Gaurav Gupta
gaur_gupta@rediffmail.com



Harshad J. Kini
harshad_k10@rediffmail.com



Harshal Pachpande
hpp1983@yahoo.com



Henna Khan
henna_khan3@hotmail.com



Kamlesh K. Zanjad
kamal_spce@yahoo.com



Kunal Matkar
kunalmatkar@hotmail.com

B. E. (COMPUTER)
2003 - 2004 BATCH

(Contd...)



Maunic Dharia
dmaunic@rediffmail.com



Mayur Sarangdhar
mayursarangdhar@yahoo.com



Mabanjop Kharjana
mabanjop_21@yahoo.com



Nameet Pai
nameetpai@yahoo.com



Namita Sood
namita_4@rediffmail.com



Nisha Patel
nisha_spce@yahoo.co.in



Pallavi Adsul
pallavispce@yahoo.com



Paras M. Mehta
letsmailparas@indiatimes.com
Tel. 28682675



Prashant Mhatre
prashant_mhatre@hotmail.com



Prashant S. Sawant
to_sprashant@rediffmail.com



Rahul Iyer
rahiyer@yahoo.com
Tel. 56680193



Rashmi Parulekar
rash_smiles@hotmail.com



Sagrika Choudhary
sagpra2000@yahoo.com
Tel. 28773553



Saurabh Warke
saurabhwarke@rediffmail.com



Shradha Gavankar
shradha_92001@yahoo.com



Shukresh S. Shelke
shukresh@yahoo.com
Tel. 56021570



Shweta Solanki
shwetasolanki@hotmail.com



Smita Kinare
smitu_2911@rediffmail.com



Sumit Gupta
sumit133@yahoo.com
Tel. 26395770



Swapnil Kamble
swapnil_u2@yahoo.co.in



Tanushree Agarwal
tanushree@yahoo.com
Tel. 28787996



Trunal Kamble
true_kamble@yahoo.com



Twisha Shah
twisha_s@yahoo.com



Urvi C. Parekh
uru_235@yahoo.com
Tel. 28726117



Varsha Khade
varsh_177@rediffmail.com



Vineet Dekate
supernaut@radiffmail.com



Yugant Patra
yugant_patra@yahoo.com

B. E. (IT)

2003 - 2004 BATCH *(Contd...)*



P.Joseph Varghese
jasyspce@rediffmail.com



Parag V. Mahajan
paragvm@yahoo.com



Pritam B. Rana
ranapritam@rediffmail.com



Pushkaraj Guhagarkar
pushkarajg@hotmail.com



Rahul Solanki
rahulsolanki21@hotmail.com
Tel. 23099684



Reshma Bhatia
bhatia_reshma@yahoo.co.in



Ritwick R. Vidyasagar
ritikrv@rediffmail.com
Tel. 26322282



Sachin Edakkathoor
sachin_ed@rediffmail.com



Sagar Agarwal
online_sagar@hotmail.com
Tel. 28738641



Salloni Mehta
sallonimehta@yahoo.co.in



Sanju Jain
sanjurj@yahoo.com



Santosh Chavan
getsantosh@hotmail.com



Shailesh Jain
jain_shailesh2001@yahoo.co.in
Tel.952512324849



Shrijit R.Plappally
shrijitp@yahoo.com
Tel. 95250 2460726



Siddhesh Lad
sid_lad@yahoo.com
poundsforme@yahoo.com



Sumeet Bedi
sumeet_bedi@rediffmail.com
Tel. 25221978 M 9820949537



Urvi K. Shah
urvishah82@yahoo.com



Vikas Sharma
vikas_2782@yahoo.com
Tel. 28163118 M 9820338125



Vishwanath Nadgir
vishwanathnadgir@rediffmail.com

B. E. (IT)

2003 - 2004 BATCH



Arti Shah
aarti_8982@yahoo.com



Aditya V. Rajopadhye
adityavr_1982@yahoo.com



Amrita Ramanathan
amrighta@Rediffmail.com



Arish M. Kathawala
arish320@rediffmail.com



Chetan Salunkhe
spce_chesa@yahoo.com
Tel.28966645



Fahad Bijue
fahad2282@yahoo.co.in
Tel.34201625



Gaurav Master
gauravymaster@yahoo.co.in



Gaurav N. Salia
gauravsalia@yahoo.co.in



Gaurav Palkar
gauravpalkar@hotmail.com
Tel.24442809



Imran Dalwai
imrandalwai@yahoo.com



Jitesh Dani
jiteshnnd@yahoo.co.in



Junaid Ali
junaid_spce@hotmail.com



Kanchan Bhole
kanchan_bhole1982@yahoo.com



Keshawrao K. Nayase
keshavnayase@yahoo.com



Kuldeep Gharat
kuldeepgharat@yahoo.co.in



Kuriyil S. Balasubramaniaml
k_subinb@hotmail.com



Kushal Dalal
dalal_kushal@rediffmail.com



Meetu Swaroop
meetu_s22@lyahoo.co.in



Neha khedekar
neha_khedekar@yahoo.co.in
Tel 28936819/33920570



Nirad Inamdar
iamnirad@yahoo.com

B. E. (ELECTRICAL)
2003 - 2004 BATCH



Abhishek Rao
abhishek542000@yahoo.com



Adeeb A. M. Khan
tna_262003@yahoo.com



Adish Jain
cool_adish@indiatimes.com



Aditya Mandrekar
adityamandrekar@indiatimes.com



Amol S. Dani
a_s_dani@yahoo.co.in



Anand Gaikwad
anand_luvsai@yahoo.com
Tel.28906095



Ankit Rungta
anky_17@yahoo.com
M 9820669310



Balsubramanian V.
sabarish_v@hotmail.com
Tel. 26608953



Deepa Harshey
deepaharshey@yahoo.co.in



Deepak Patil
edeepak4u@yahoo.co.in



Firoz Moiz Neemuchawla
tallmoiz@rediffmail.com
Tel. 23710031



Harini K.
Sunshine_18@rediffmail.com



Harshikesh S. kadam
harshikesh_kadam@rediffmail.com



Jitendra Prajapati
jitendraprajapati@indiatimes.com



Joydeep Dasgupta
rorchha@yahoo.com
Tel. 26786016



Pankaj P. Chavan
panky_pc@rediffmail.com



Prathamesh W.Deulgaonkar



Pratibha Singh
pratibha_b_singh@hotmail.com



Raghvendra Gulavani
raghav_gulavani @ Yahoo.co.in



Rakesh V. Gudekar
rakeshgudekar@yahoo.co.in



Rohan J. Koli
reo_cool2000@yahoo.com



Sahil Sher
sahil_sher@inditimes.com



Shailendra D. Chaudhari
Tel. 25835474



Shailendra D. Chaudhari
Tel. 25835474



Shishir Mahulkar
shishir_mahulkar@indiatimes.com



Shweta Mokashi
shweta_mokashi@rediffmail.com



Swapnil Pusalkar
ss_pusalkar@rediffmail.com



Sumedh Sathe
Tel. 26166553



Vaibhav K. Ambukar
mail_vaibhav007@yahoo.com
Tel. 25786812



Vinit Mahadevan
kroaker@coolgoose.com
Tel. 26358710



Vidnyan Dilip Gandre
vidkid007@yahoo.co.in
Tel. 25615153



Vinod Naik
v_nike04@yahoo.co.in
Tel. 95251 2605783



Vipul Patki
vipul_patki@rediffmail.com



Yatish D. Oli
yatish_oli@yahoo.co.in



Yogendra Wagh
yogendra_82@rediffmail.com

In Memoriam



Shri Kulapati Dr. K. M. Munshi