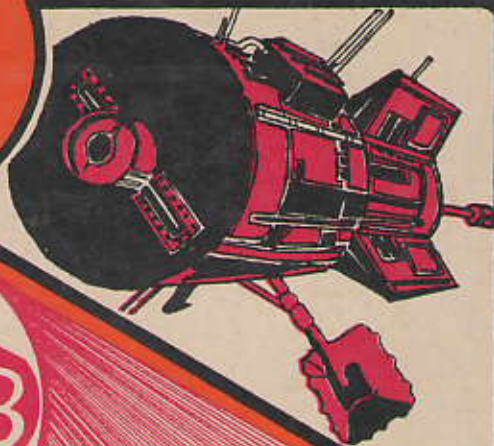
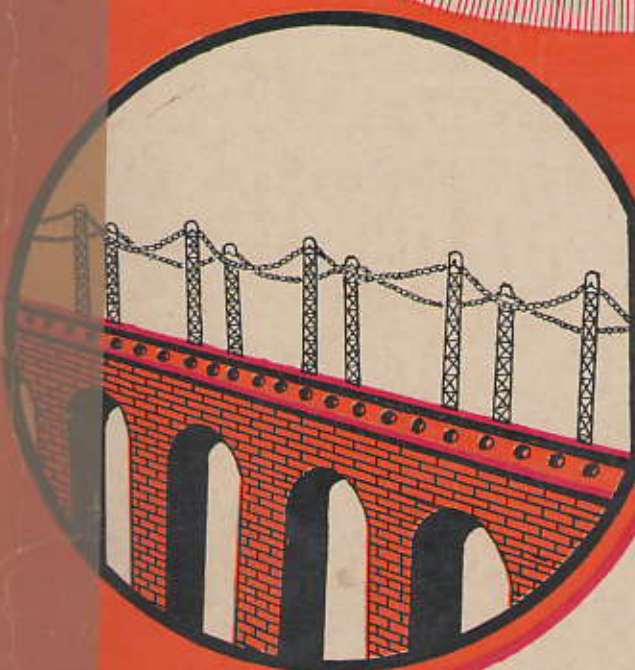




1983

SARJANIKA



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1983



1982—1983

Vol. XVI

SARJANIKA—1983

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Obituary

Editorial

From the student editor

From the top

Report of the Vice President, Gymkhana Committee

COLLEGE NEWS BULLETIN

General secretary's annual report

Reports of Gymkhana Activities

Space' 83

Report of Civil Engg. Association

ENGLISH

- | | |
|---|-------------------------|
| 1 Quality control in modern Engineering | —Ketan. D. Mehta |
| 2 Quality control in Modern Engineering | —Iyer Raju Mani |
| 3 It's Blue Burner Now | —Naresh K. Wadhia |
| 4 A man and a woman | —Ravindera. P. Landekar |
| 5 A Few Poems | —Khan Azhar Imtiyaz |
| 6 Fun times cricket times | —Partha Mukharjee |
| 7 A Sordid Affair | —R. V. Mahajan |
| 8 She was one of the best | —Manik Rane |
| 9 Did you know | —Barkatali Daredia. |
| 10 Engineering Romance | —Arun V. Mahajan |

मराठी विभाग

- | | |
|-------------------------------|-------------------------|
| १ प्रदुषण समस्या व उपाय | — गजानन ना. आठवले |
| २ प्रश्न | — शंकर बोडे |
| ३ पराजय | — राजेश रा. सोमवंशी |
| ४ इंधन पुरवठा, समस्या व उपाय | — अमोल ग. अवसारे |
| ५ व्यथा | — मुरली नारखेडे |
| ६ कायापुर | — सुनिल सा. डाके |
| ७ झुंज | — राजेश रा. सोमवंशी |
| ८ चाकोरी | — सुनिल वैशंपायन |
| ९ शृंगार | — सुनिल वैशंपायन |
| १० मन असे भरकटते | — कु. स्मिता संख्ये |
| ११ तुलना | — कु. स्मिता संख्ये |
| १२ ओ. कलकत्ता | — कु. सुहास द. माळी |
| १३ स्वप्न | — मनोज मेहता |
| १४ क्रांती | — महेश वि. गडकरी |
| १५ कधी कधी | — राजेश रा. सोमवंशी |
| १६ युनिव्हर्सिटी भेलपुरी हाऊस | — कु. वैरवरी प्र. लिमये |
| १७ ती | — संजय शेमसे |

हिन्दी विभाग

- १ मेरी प्रिय कविता एवं उसकी रचना प्रक्रिया — शितला प्रसाद
- २ आप, हम और वे कहाँ होंगे ? — शितला प्रसाद
- ३ प्रेम — कु. आरती आगरवाल
- ४ प्राकृति और मैं — शंकर बोंडे
- ५ जनम भर — शितला प्रसाद
- ६ इन्साफ — विजय गाला
- ७ तुम कहाँ ? — शितला प्रसाद
- ८ और वह मेरा एकाकीपन — दिनेश उपाध्याय
- ९ कल रात हिन्दी सिसक रही थी — मीनाक्षी स्वामिनाथन
- १० बंद किस्मत — विजय गाला

गुजराती विभाग

- १ गुजराती साहित्य भंडार
- २ मानव अवतार
- ३ હું જ્યારે વૃદ્ધ થઈશ ત્યારે !
- ४ માનવની મહત્ત્વાકાંક્ષા
- ५ વિજ્ઞાનમાં મને ભગવાન
- ६ કાંક તો જાગે
- ७ ગુઈસ
- ८ બરફનો સ્તંભ
- ९ હાથકુ પંચમ
- १૦ કોઈ સાંભળશે ?
- १૧ સુપર સ્ટાર
- દેવેશ શાહ
- વિજય ગાલા
- વિપુલ મોદી
- પંકજ શાહ
- કેતન મેહતા
- કેતન મેહતા
- મહેશ મોદી
- વિજય ગાલા
- પરીતા મેહતા
- વિજય ગાલા

The statements made and opinions expressed in this magazine are those of the contributors. Either the College or the Editorial Board assumes no responsibility for them.

IN MEMORIAM



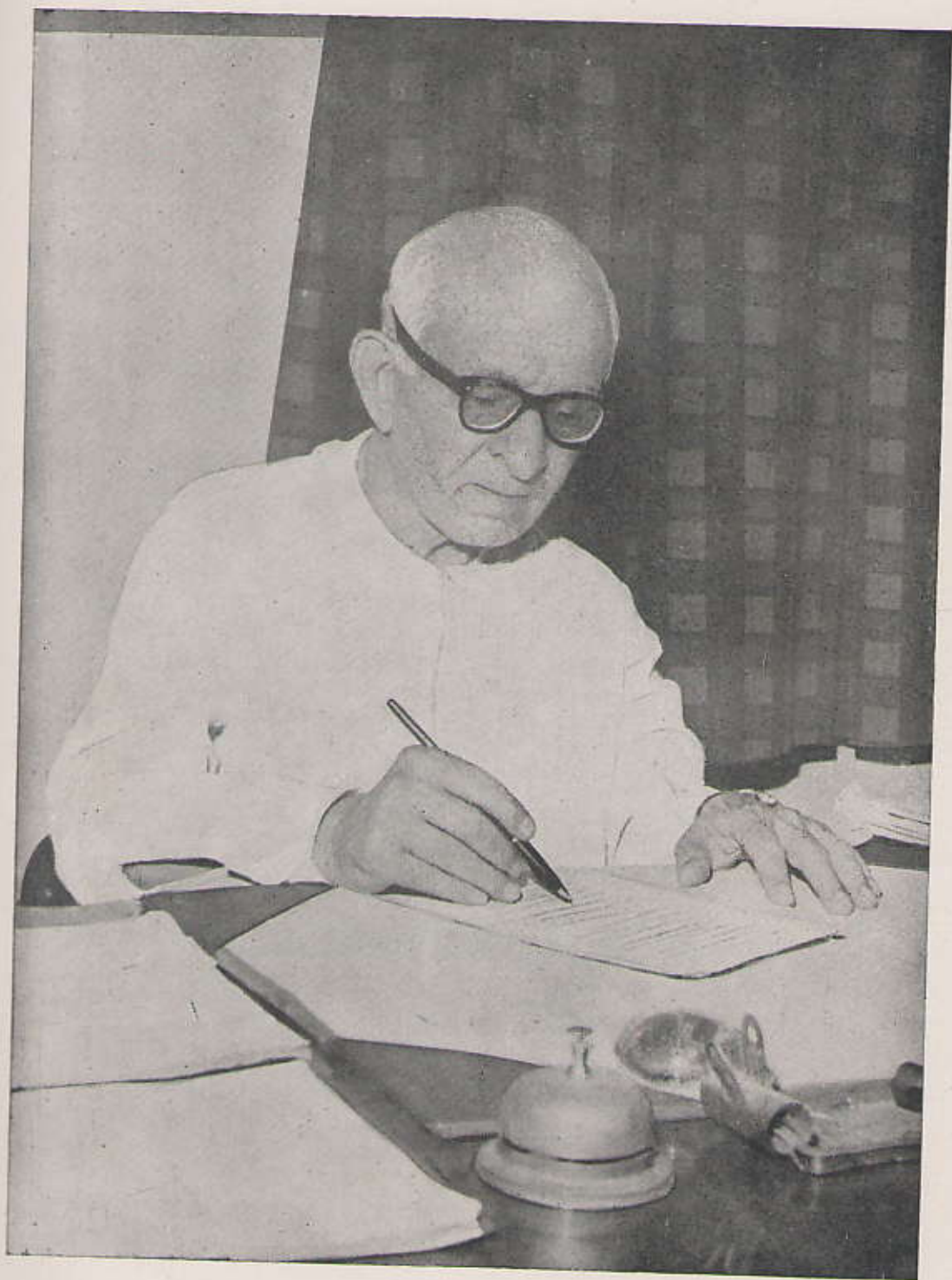
Shri Dharamsey Mulraj Khatau

In memory of Shri Dharamsey Mulraj Khatau, who left us for his Heavenly Abode on 21st March 1983 leaving behind treasured memories of his multi faceted personality to give us everlasting inspirations.

OBITUARY

*We deeply mourn the sad demise
of a doyen among industrialists,
Shri Dharamsey Mulraj Khatau,
the President of Bharatiya Vidya
Bhavan.*

May his soul rest in eternal peace.



Kulapati Dr. K. M. Munshi



Shri Nani Palkhivala
Our Executive Chairman

FROM THE STUDENT EDITOR

I would like to say that the great enthusiasm and concentrated efforts were put in by the students and Gymkhana committee to bring out the Magazine with absolutely new cover design. This was possible due to student participation in the cover design competition organised by the students to encourage the talents of the students.

The response to the release of advertisements in our college Magazine is quiet good and has played a great roll in the final publication of SARJANIKA 83. The students participation in this drive contributed greatly in making the publication of the Magazine a reality when you go on reading you will see that there are articles which show that the engineering students are not only Engineering student but also Poets and authors choosing of the final articles was testing and we tried to do full justice to well written articles.

I sincerely thank to those who have released the advertisements and also to those who have secured them. I sincerely thank to Prof. A. C. Choksey and Prof. Nerurkar for working in the panel of judges for (Technical Essay Competition).



Shri R. S. Bhandarkar
Director and Principal

Respected Sir,

AFTER graduation in engineering you started your career as Divisional Engineer in Caltex (India 1) Ltd., After that you joined as class I officer in the Dept. of Labour, Govt. of India, where you had advised the Ministry of Defence on handling of Petroleum Products and also framed the rules for storage of these products.

In 1948 you joined the Ministry of Education and worked as planning officer for Indian Institute of Technology, Kharagpur. During this tenure you not only ensured the smooth temporary accommodation of the various departments of the Institute but also advised the Governing Body on establishment of post graduate courses in various branches of engineering and technology.

In 1954 you came to Bombay in a similar post; and helped salvaging the

engineering college presently known as Walchand College of Engineering, Sangli. You were also responsible for establishment of Govindram Seksaria Engineering College at Indore. In 1961 you were invited by the Govt. of Bombay to work as Secretary to Maharashtra State Electricity Board. In 1965 on request from Dr. Homi Bhabha himself you joined and worked as Chief Administrative Officer at Tata Institute of Fundamental Research Bombay. In 1961 in the capacity as Regional officer — Western Region — Ministry of Education, Govt. of India you had proposed to Kulapati K. M. Munshi to establish the engineering college at Andheri; and since then you have been closely associated with the progress of this college — Sardar Patel College of Engineering.

Sir, we have hope in your endeavour to bring about the progress in this Institution.

—*—



A word from Chief Guest Mr. Parekh
at the College day function.

卐



Our Vice-President Speaking on Gymkhana Activities



Our General Secretary : Neil Francisco

FROM THE TOP ★ ★ ★

(Excerpts from the speech delivered by Shri R. S. Bhandarkar, the Director and Principal on the occasion of the College Day celebration).

IT is a matter of great joy and satisfaction that we should have this evening amongst us Shri Hemant Parekh as principal guest. Hemantbhai, I am not disclosing any secret if I say that it was unanimous view of all students and faculty members that you should be invited this year as a Chief Guest. This merely indicates your popularity as well as appreciation of the work you have done in the field of technical education.

Although both students and teaching staff of this College know you by your name and your work, not many have met you in person or are aware of your academic excellence and professional efficiency. I am taking this opportunity to introduce you in this respect.

Shri Hemant Parekh after passing his degree in Engineering from an Indian university in 1955, obtained his Post Graduate Degree in Mechanical Engineering from the University of Kansas in 1958. He joined Larsen & Toubro in 1959 and after working as Dy. General Manager, has now risen to the post of General Manager of the Company's Powai works. He is for the last 2 years nominated by the State Government as a member of the Board of Management of V J T I and it is here that I meet him very frequently and have been able to study his views and his approach to education in general and technical education in particular. The State Government has also included him as Ex-

pert on the Committee which has been set up for establishment of Dr. Ambedkar Technological University in Maharashtra.

Mrs. Bharati Parekh has established herself in the social activities of the city within her own rights and not as wife of Mr. Hemant Parekh. She is Science graduate and has further done course in Home Science from the University of Gujarat.

If she is popular amongst Larsen & Toubro employees, it is not because her husband is the General Manager of Powai Works but she has been taking active interest in the employees' welfare. She is involved in different family planning schemes and other welfare councils of the Company's welfare centers at Andheri junction. At this welfare centre she frequently meets the families of the employees and shares with them their woes and joys.

She is also active and regularly visits Cooper Hospital along with a small group of social workers and distribute food, clothing and medicines to the poor patients particularly those in the Burns' Ward.

Shri Parekh, it is my duty to apprise you of the functioning of this Institution because I take it you have not visited this College any time in past. This College was established in the year 1962 with intake capacity of 120 students for the 3 year course leading to degree in Civil, Mechanical and Electrical Engineering awarded by

University of Bombay. The intake was increased in the year 1964 to 180 students. The third year degree course was changed into four year degree in 1966. This expansion both in the intake figures as well as in the duration of the course was necessitated on account of directive from the Central Government.

Prior to establishment of this College, there was only one institution in the town of Bombay, with the low intake of 120 students, with the result that many bright and intelligent students who could not get admission in this institution because of low intake figure, had necessarily to go out of Bombay for pursuing their engineering education. Amongst them were wards of low income middle class people and to them living expenditure in places outside Bombay was considerable economic strain. It is keeping this inconvenience to low middle class people that the idea of starting another College was mooted with Dr. Munshi who had then sufficient open area in Bharatiya Vidya Bhavan's Campus at Andheri. The initial discussions for establishment of this College related to paucity of funds for capital expenditure, meeting the recurring cost from year to year without seeking Government aid and assuring continuity in engineering education to brighter students in Science stream. State Government had their own views on these points but as a result of various discussions with the Chief Minister of the State and the Trustees of Sardar Vallabhbhai Memorial Fund, Munshiji succeeded in clearing the so called temporary obstacles largely because of Central Government's financial assistance and the fullest co-operation and help given to him by the Ministry of Education in the Central Government.

Hemantbhai, although this College is 22 years old, it has not taken so far a vertical

or horizontal growth in its activity. Efforts had been made by the few interested teachers to start Post Graduate activity but these were not fruitful because the proposal had not been properly pursued at the very top level. Sir, I may also tell you that this stagnation vertically and horizontally is also due to circumstances which have been beyond the control of those connected with this College.

I may also add that this College has not received that sympathetic treatment from the industry as was expected of them during the previous 22 years. After all you will agree with me that technical education can not be pursued in vacuum. If the industry does not show that much interest in this Institution both in the matters of administration, finance and utilising the product, you will agree with me that institution can only go at snail's speed. It has been our effort now to associate engineers in industry at very top level and ensure their interest so that the College can expand in its activity and prove itself as a very useful means to feed the growing engineering industry for its technical manpower. I may at this stage mention that the product of this College has been accepted by all engineering industries on priority basis and no one remains unemployed. This is so because our students have equipped themselves excellently in the University results although we are handicapped primarily in the adequate faculty strength, perhaps in all departments.

I have given to you in brief an account of this College and would only say emphatically that given encouragement by the industry and the Government, it would not be difficult for this College to establish itself as one of the premier engineering institutions to which employers can look to for their man-power.

The highlights of academic achievements of our students during the year 1981-82 are as follows:—

It is a great pleasure to announce that our students won the following prizes de-

REPORT OF GYMKHANA

PROF. R. H. KULKARNI

Vice-President, Gymkhana Committee

Class	Students appeared	Distinctions.	I st Class	II nd Class	Pass Class	Total Passed	%
F. E.	219	Nil	83	38	36	157	71 7%
S E (Civil)	47	Nil	4	4	9	17	36%
S E (Mech.)	68	Nil	27	25	3	55	81%
S E (Elect.)	69	Nil	11	25	16	52	75%
T E (Civil)	62	Nil	12	19	13	44	71%
T E (Mech.)	65	Nil	32	17	7	56	86%
T E (Elect.)	64	Nil	12	23	7	42	66%
B E (Civil)	37	4	18	11	2	35	94%
B E (Mech.)	69	10	48	9	1	68	98%
B E (Elect.)	63	4	48	9	1	62	98%

clared by Bombay University during the year.

- (1) Principal S. B. Junnarkar Gold Medal for securing the highest number of marks in the subject of 'Theory of Reinforced Concrete and Prestressed Concrete Structures' at the B.E. (Civil) examination is awarded to Shri Yagnesh A. Jani.
- (2) The Jamshedji Dorabji Naegamwala Prize for securing the highest number of marks in 'Project Work' and 'Design Drawing of Concrete Structures' taken together, is awarded to Shri Yagnesh A. Jani.
- (3) The Jodha Lalwani Memorial Prize for securing highest number of marks in the subjects of 'Machine Design-I' and 'Machine Design-II' taken together at B.E. (Mechanical) Examination is awarded to Shri Ajay Dinanath Raikar.
- (4) The G. R. Tongaonkar Prize for securing the highest number of marks

in the aggregate at the B.E. Mechanical Examination is awarded to Shri Abid Alimiya Shaikh.

- (5) The Rao Bahadur Rajadhyaksha Gold Medal for standing first at the B.E. (Civil) Examination is awarded to Sri Yagnesh A. Jani.
- (6) The Merwanji Framji Pandey scholarship for securing the first rank at the B.E. (Mech.) Examination is awarded to Sri Abid Alimiya Shaikh.
- (7) The Rajnikant Chhotalal Ankhad Memorial prize for securing the highest number of marks in the aggregate in the subjects of 'Structural Analysis-II' and 'Design of Steel Structures' taken together is awarded to Sri Mukund Pratapchandra Patel.

In the field of extra-curricular activities our students won many laurels. The Lala Lajpatrai Rotating Trophy for Gujarati Debate was won by our College students Shri Vijay Gala of S.E. (Civil) and Shri Bimal Patel of S.E. Electrical.

Miss Maya Iyer of F. E. Electrical won the First consolation prize in English elocution held at Vivekananda College, Chembur. At Anushthan a hindi literary organisation, Shri Sheetalaprasad Kori of B.E. (Civil) won the III prize in poem competition. Shri Amol Awasare of T. E. (Mechanical) class won the II prize in Marathi Essay Competition organised by Varadkar Arts and Belose Commerce College, Dapoli, Ratnagiri District. Shri Satish Mokkaapati won the 4th Prize at the Minoo Mullan Essay Competition held by the Theosophical Society at Bombay.

Shri M.V. Khanolkar of T.E. (Electrical) Class won the I prize in Instrumental Music at Nirvana, a cultural festival organised by the S. P. Jain Institute of Management, Bombay.

In chess, two of our students, Shri Girish Kulkarni of B.E. (Electrical) and Shri Manish Kapadia of T.E. (Mechanical) were selected to represent Bombay University at the Inter-University Chess Meet at Mangalore.

Our students arranged a multi dimensional cultural cum-literary, competitive programme for two days, called SPACE '83. Nearly twenty leading institutes of Bombay took very active part in the competitive events such as Debate, Elocution, Jest-a-minute, Dumb charades, Water Colour painting, sketching, Quiz etc. out of which our students won some prizes. In English Debate, Sri Allan Antao of T.E. (Mech.) won the second prize, and the team consisting of Shri Antao and Shri Anosh Shahana was adjudged second in the competition. Miss Sudha Khanzode of F. E. won the Second Prize in Sketching and Shri Ullas Shukla

of T.E. (Elect.) won a consolation prize in Water Colour Painting. In Quiz Com-

petition our team consisting of Shri Hemant Purandare, Sriram Iyer and Abhaya Mahagaonkar won the III prize. Finally, our team consisting of Shri Ganesh Radhakrishna, Shri Floyd D'souza and Shri Vincent Miranda won the first prize in 'Creativity'. This year, four of our students represented the college in the Maths Olympiad 1983, an inter-collegiate quiz organised by Maths Department of I.I.T., Bombay. The students were Shri Raju Mani Iyer of T.E. Electrical and Lalit Chauhan, Shri N. Mehta and Shri S. Shall, all of T.E. Mech.

We organised a blood donation drive in the College on 8th Feb. 1983 at which 107 bottles of blood was collected.

The following papers by Prof. S.S. Nagaraju, Head of the Dept. of Civil Engineering, were published in reputed international conference proceedings:

- (1) 10th International Conference on Soil Mechanics and Foundation Engineering, Stockholm, Sweden — 'Design and Construction Control for Stone Columns'.
- (2) 2nd Australian Conference on Engineering Materials, New South Wales University, Sydney — 'Low cost and Energy Saving Materials in Materials in Geotechnical Engineering'.

Two staff members of the College Miss L.E. Thailamani and Shri R.P. Joshi obtained the Doctorate Degrees in Physics and Structural Engineering respectively.

Among new entrants to the College Dr. R.S. Mate, joined the Mechanical Engineering Department as an Assistant Professor and Shri M.P. Unnikrishnan joined the College as Accountant. We heartily welcome them to the Institute.



COLLEGE DAY CELEBRATIONS



Milind Ingawale Presenting report of cultural activities



Chief Guest—Shri Parekh



Mrs. Parekh distributing the prizes



A happy moment for everyone



Kishor Kambire receiving
Best Basket-Ball player prize



Fishponds at the peak



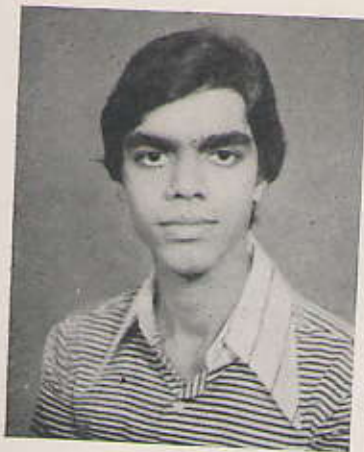
The Busy Audience



Ambrose Cornello
University Representative



Sukant Kaul
Secretary, Civil Engg. Assn.



Abid Shaikh B.E. (M)



Kiran Karande T.E. (E)

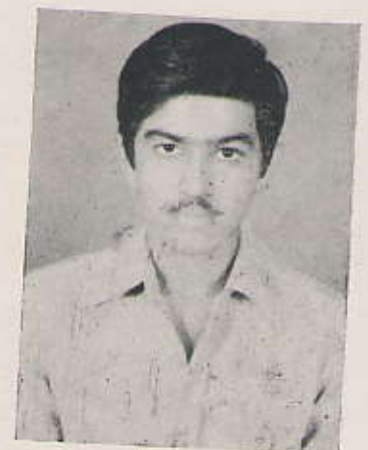
OUR TOPPERS



Satish Mokkalpati F.E.



Mukund Patel T. E. (C)



Sandeep Gadkari S.E. (M)

GENERAL SECRETARY'S ANNUAL REPORT 1982-83

—Neil Francisco, T.E. (Mech)

General Secretary.

GLANCING back at the past academic year 1982-83 I wish to bring into focus certain highlights that occurred during this period.

To begin with the A.D. Shroff Memorial Elocution Competition was conducted with great zest bringing enthusiastic response from the students.

Another outstanding feature of this year was the Marathi Vangmay Mandal which organised a very lively and illuminating talk on cricket by the famous Mr. Madhu Mantri and this was followed by the screening of a popular Marathi movie 'Sinhasan'. The Gujarati Sahitya Mandal organised a Disco Dandi at the college premises. Our students Vyay Gala and Bimal Patel won the Lala Lajpatrai rotating shield for elocution for their outstanding performance.

The highlight of this year was 'SPACE' 83 a literary festival which was held together with the SPCE rotating trophy. As many as twenty colleges participated for the first time and new items such as Hindi film singing, sketching and water painting were

introduced. Our student Mr. Allan Antao won the Second prize for the debate.

Our college entered the Inter-Collegiate Tournaments for Hockey, Foot-ball, Badminton and Table-Tennis. We excelled in Hockey.

The 23rd, 24th and 25th of February were observed as 'College Days'. On the 23rd the students were treated to a movie 'Deewar'. The 'Talent Night' held on 24th was a great success with the discovery of many a hidden talent. After the 'Talent Night' the students were treated to another movie 'Farz'. The closing day 25th was an extravaganza of fun and florid. The prize winners received their prizes amidst applause and cheers and the orchestra played enchanting music.

The overwhelming success of the round the year activities was due to the unfailing encouragement, advice and help given by our revered Director & Principal and other members of the staff and student volunteers. I sincerely thank each and every one of them.

CULTURAL ACTIVITIES

THE students of SPCE have witnessed the college very active on cultural activities during academic year 1982-83.

To begin with I shall list out the Inter-collegiate cultural activities in which our College participated.

Our College student Mr. Vimal Patel of S.E. (E) and Mr. Vijay Gala of S.E. (C) won the Lala Lajpatrai Inter-Collegiate debating trophy in Gujarati. Mr. Vimal Patel also came third in Gujarati Elocution Competition of Ruparel College.

Mr. Mahesh Khanolkar of T.E. (E) stood first in the instrumental recital at Nirvana and second at Mood Indigo. Mr. Amarpreet Hanspal of T.E. (M) Won the Cinegoers club Essay Competition. Mr. Satish Mokapatti won the A.D. Shroff Elocution Competition and also represented College in the Bombay finals. Mr. Vincent Miranda of B.E. (M) came second in creativity and Mr. Uma Maheshwar of B.E. (M) came third in painting section at Nirvana.

Our College participated in various Inter-Collegiate festivals like Malhar of St.

Xavier's, Mood Indigo of I.I.T., Avishkar of G.S. Medical College, Pratibimba of V.J.T.I. and Nirvana of S.P. Jain Institute of Management and so on.

Our college has a very active Marathi Vangmaya Mandal and Gujarati Sahitya Mandal, apart from very keen interest in English Cultural activities.

This year Marathi Vangmaya Mandal had a very successful Programme called 'Cricket-Cricket' which featured Mr. Madhav Mantri. Marathi Vangmaya Mandal also screened a popular feature film "Sinhasan".

Gujarati Sahitya Mandal organised a Disco-Dandiya programme. They also organised a humorous talk by Mr. Chotam.

In English activities, we had the annual A.D. Shroff Memorial Elocution Competition early in the academic year. Then came the unprecedented success of SPACE-83 Eighteen colleges participated and Best performance award went to I.I.T. Bombay. S.P.C.E. came close second.

These details bear testimony to the fact that our college is doing very well in various cultural activities. Let us hope that our college does better as time goes by.

—Milind Ingawale

B. E. (Civil)

Cultural Secretary.



Outdoor Games

As an Out-door Games Secretary, I have great pleasure in presenting out-standing performance of our college in various sports activities.

First of all, in hockey our college had given a truly remarkable fight by drawing their match with Elphinstone college and with Jhunjhunwala college. But unluckily

our team lost against Khalsa after giving them a gallant fight. The credit goes to our all players especially our captain Shri Chandrashekhar Tantri of B.E. (E).

Our foot-ball team was captained by Shri Pradeep Salunkhe of B.E. (E) unfortunately in foot-ball we didn't fare well as we went down to Maharashtra college rather tamely.

Our Basketball & Volleyball teams had also given a very good fight in the various tournaments.

In the Interclass tournaments T.E. & S.E. classes showed good performances S.E. reached all the finals and won in Bolley-Ball beating F.E. (3-1) in the finals. Hockey & Foot-Ball were both won by T.E. Neil Francisco scored two goals in foot-ball showing a very good allround performance S.F. — B.E. were the combined winners in Basket-Ball.

The best player awards were presented as follows.

Hockey: —Chandrashekhar Thantri
B.E. (M)

Foot-ball: —Ganesh Radhakrishna
B.E. (M)

Volley-ball: —Richard Quadros
S.E. (E)

Basket-ball: —Kishor Kambire
B.E. (C)

—Parag Edwankar

S. E. (c)

Outdoor Games, Secretary.



CINE-CLUB

Under the auspices of CINE-CLUB in the academic year 1982-83, we presented five popular Hindi feature films in colour as follows :—

- (1) Khatta Meetha
- (2) Bulandi
- (3) Chhoti-si-Baat
- (4) Khubsoorat
- (5) Waqt

Apart from these five films, two other films, namely, (1) Deewar and (2) Farz were also shown during the Annual College Day celebrations. Despite the poor accoustics of the college auditorium, the sound system was maintained good. The screening and prints were excellent.

It was possible to show all these films in a short time available because of the cooperation of all C. R.'s, volunteers, students and especially, vice-president of Gymkhana committee Prof. R. H. Kulkarni.

RAJENDRA METKAR

T. E. (c)

Secretary, Cine-Club.

INDOOR GAMES

THIS year too was a vary important year for the Gymkhana. The indoor games tournaments started with a BANG. There were a lot of upset victories in all the games. There was an extremely good response for the tournament and a tough tussle was witnessed right upto the finals. The finals were witnessed by a massive crowd.

WALL PAPER

The "Wall-Paper" was started with the aim to encourage the talents and creativity of the students. The response to wall paper was over wheming. In Order to keep up the interest, and encourage the student artists, the following prizes were awarded :—

- (1) For Paintings :—

First Prize—Mr. Kori S. P. B.E.(C)

Second Prize—Mr. Ketan B.E.(M)

- (2) For Pencil Sketches :—

First Prize—Mr. Kori S. P. B.E.(C)

Consolation Prize—Mr. Snjay
Zemase B.E.(C)

I congratulate them all.

SUNIL DAKE

B. E. (Civil)

Secretary, "Wall-Paper"



This year the Gymkhana got a new look with the curtains for the windows, and new carrom boards and table tennis bats for the enthusiast. Powder and balls were provided to the students for playing regularly.

The year also saw the inauguration of tournaments for ladies (in carrom and table tennis) and tournaments on inter-departmental basis.

On the whole the year was a landmark for the Gymkhana activities.

PIYUSH R. KAPADIA

S. E. (Elect.)

Secretary Indoor Games

ATHLETICS

AFTER watching the spectacular Asiad held in November, people in the Bhavan's campus witnessed something equivalent to it in the 1st week of February, yes you have guessed it right, it was the Annual Athletic meet of Sardar Patel College of Engineering.

It was held from 4th February to 7th February of this year. The students participated whole heartedly for each event there was nothing less than 30 participants, which was an achievement for our college.

On the first day we had the heats of all the track events. In the afternoon spectators had a glimpse of some of the strongmen of our college while they flew their arms in put shot and Javelin throw.

On 7th February due to a large attendance, the principal declared half day, and in the afternoon the ground was flooded with spectators. In addition to the finals, of all the track events we had the jumps on 7th the last event was the climax of this year's athletic meet. It was Tug-of-War. Being introduced for the first time, it gained tremendous popularity. In Tug-of-War the students of Second Year showed that the handsome real strong men in their team and easily won the championship.

Shri Govind S. Kunwar of F.E. (Civil) was the hero of this year's athletics. In spite of having tough competition from the senior students he paved his way to victory in almost all the events. He gained nothing less than 30 points and won a first, 1 second and 1 third prize.

For the 1st time in the history of our College we had 100 m and 200 m race for the girl students. Due to some unavoidable circumstances only 2 events were possible, but the girls participated whole heartedly. Miss Maya Iyer of F.E. (Elec.) was victorious in both the events.

I thank the students of this college for giving me ample support and co-operation to make this year's athletic meet a great success.

P. POTDAR
S.E. (M)
Secretary, Athletics

CRICKET

Our Cricket Season started in September. It displayed some of the hidden talents of our college students.

The season started off on a good note under the brilliant captaincy of Shri Trupty Ninkar (B.E. Elec.) we won 3 matches played on friendly basis. But we were disappointed for some disappointment, when due to the absence of some of our best players, we had to concede the Inter Collegiate match. The match could not be saved even after a display of fighting qualities by our team members, especially by the captain & our vice captain Shri Umesh Rao (B.E. Civil).

In the Interclass matches B.E. proved themselves to be superior, by bagging the title. This was followed by a thrilling victory against the 'Rest of The College'. The highlights of the matches were Shri Neelesh Bhav's (S.E. Civil) capacities as a magnificent all rounder, Shri Hansraj Amerpreet's (T.E. Mech.) knock of a Ran 100 century & Shri Sandeep Chandawarkar (S.E. Mech.) knock of 77 runs. For their allround performances during the year following prizes were given to distinguished players. Best Allrounder of the year was undoubtedly bagged by Shri Neelesh Bhav. Best bowler went to Shri Umesh Rao, Best batsman to Shri Trupty Ninkar, Best wicket keeper to Shri Harish Patel (B.E.) Civil & Best Captain & fielder to Shirish Joshi (F.E. Elec.).

Thus ended our exciting cricket season.

SANDEEP CHANDAVARKAR
S.E. (M)

Cricket Secretary,

SPACE' 83

THE year 1982-83 was an extremely satisfying, of not memorable, year for Literary Activities. It witnessed the tremendous success of SPACE-83 and was also testimony to the fact that SPCE students competed for honours in nearly all the major literary competitions held in the city. Also, there was the annual A. D. Shroff Memorial Elocution contest, conducted by the Forum of Free Enterprise, held in August.

The A.D. Shroff Memorial Elocution contest received a good response from the students. As many as fifteen speakers spoke on various topics dealing with the socio-economic condition of our country. Mr. Satish Mokkapati (S.E. Elec), Mr. Floyd D'souza, (T.E. Mech) and Mr. Kunal Suryavanshi (T.E. Civil) bagged the first, second and third prizes respectively. Mr. Satish Mokkapati later was invited to take part in the finals of the competition.

In intercollegiate competitions, our performance was satisfactory. Mr. Milind Khanolkar of T.E. (Elec) won the 1st prize at Nirvana (held by S.P. Jain IMR) and the 2nd prize at Mood Indigo, (held by I.I.T., Bombay) in Instrumental Music with the help of his violin. Mr. Satish Mokkapati qualified for the finals of the Debate at Aavishker, but unfortunately could not take part in due to health reasons. At Nirvana, Mr. Vincent Miranda of B.E. (Mech) bagged the first prize in creativity. The Quiz team of at least and major events by one solitary point.

On the tenth and eleventh of February, the event of the year took place. SPACE-83. After a modest beginning in 1982, SPACE took a very big leap in 1983. This year it was spread over two days, had

eight events and in addition to the SPCE Rotating trophy for Debate, a new trophy was instituted which was awarded to the Best Team in SPACE 83. This trophy was donated by Mr. Prem Sawhney, proprietor of offshore Interland Services. Also a good twenty colleges competed for the honours.

The events this year included Creativity, Dumb Charades, Elocution, Quiz, Test-a-minute and Debate. There were two art events, sketching and painting and we had Hindi film singing competition as the only cultural event. The judges for Sketching, Painting, Hindi film singing, Debates and Elocution were competent professionals. The Debating trophy and the Best Team trophy went to IIT, Bombay. SPCE finished a very close second. Mr. Allan Antao TE (M) and Mr. Anush Shabana FE (M) got the 2nd prize in Debate. In Sketching, Miss Sudha Khanzode of SE (E) snatched a second prize in the face of professional opposition and did SPCE proud. In Elocution, Mr. Floyd D'souza bagged the 3rd prize. In Quiz, SPCE were cheered by a large crowd on their way to the 3rd place. Also, the first place in creativity was awarded to the SPCE team the Chief Guest for the Debate was Prof. Dr. J.V.N. Rao, head of the Structural Engineering Department.

Every events in SPACE 83 had packed audiences. The audience included many Professors and members of the staff. The participants were all praise for the organisation of the function and as everyone else, were looking forward to compete in SPACE 84 in larger numbers.

—KAUSHIK MISTRY

S. E. (E)

Literary Activity Secretary,

CIVIL ENGINEERING ASSOCIATION

THE need for starting Civil Engineering Association in the College to bring the faculty and the students on a common platform and to create professional awareness amongst students has been felt for a long time. The proposal was approved by the Principal in April 1982. The draft constitution of the Association was provisionally approved by the first General Body Meeting held on the 24th August 1982.

One of the main activities of the Association is to arrange talks by professional experts so that the students are made aware of the latest developments in design, construction etc. As the observation of structures and projects under construction helps a lot in visualisation, it is proposed to arrange a good number of technical visits. Technical films on completed projects here and abroad and on certain topics in engineering subjects are also proposed to be screened. To develop competitive spirit and study of technical literature among the students, quiz and paper reading competitions are proposed to be held. Maintaining liaison with professional bodies and past students is also considered important.

Elections to the Executive Committee were held in the month of September 1982, as per the constitution and it was duly constituted.

The Association came into being on 1-10-1982, when it was formally inaugurated by a distinguished engineer Shri J.R. Patwardhan, Director (Engineering Services & Projects), Bombay Municipal Corporation. He gave an illuminating talk on problems of the Bombay City and the efforts being made by the BMC to solve them. An interesting feature of his talk was his

offer to invite questions from the audience and giving very appropriate answers. The second talk was on 'Railway Track' by eminent Railway Engineer, Shri Alb Vivian D'Costa, Retired Chief Engineer, Central Railway and Ex-leader, The Metropolitan Study Team of Experts. He dwelt at length on the various constituents of a Track with particular emphasis on sleepers. He consented to give one more talk on 'Bridges' shortly.

The first technical visit was to Bhatkeda Water Treatment Complex. All the students keenly observed the various operations in the Water Treatment process and could get a feel of the entire working of the complex. A visit to Centaur Hotel Complex under construction at Juhu was also arranged. As the concreting was about to be done, we could clearly see the details of reinforcement in various structural elements. Before the academic year closes, we propose to arrange a few more visits.

We screened the following technical movies loaned to us by the British Council.

1. Stress and Strain; and
2. London Bridge

A quiz contest on Civil Engineering topics will be conducted shortly. Reading of a few technical papers by students also will be arranged shortly. It is proposed to conclude the activities of the Association with a farewell to the outgoing Civil Engineering Students.

It is very heartening and encouraging for us to see the enthusiasm generated among Civil Engineering students towards the various activities of the Association. Due to late starting, we could not arrange all the activities we envisaged in the beginning.

but, I am sure that with the foundation laid this year, the Association will be able to arrange more activities next year and rise to great heights.

I am grateful to our respected Director and Principal and President of the Association, Shri R.S. Bhandarkar for the keen interest he showed in our activities and the encouragement he gave us all along.



MEMBERS OF THE EXECUTIVE COMMITTEE

1. Shri R. S. Bhandarkar, Director & Principal, President (Ex-Officio)
2. Prof. (Dr.) J. V. N. Rao, Head of Structural Engg. Dept. Vice-President (Ex-officio)
3. Prof S. S. Nagaraju, Head of Civil Engg. Dept. Vice-President (Ex-Officio)
4. Prof. B. N. Pandya, Dept. of Structural Engg: Treasurer (Nominated)
5. Prof (Mrs) S. J. Joglekar: Dept. of Civil Engg., Faculty Advisor (Nominated)
6. Shri Kaul S: B.E.(C) Class : Secretary
7. Shri Zemase S. D. B.E.(C) Class : Member
8. Shri Patel M. P. B.E.(C) Class : Member
9. Shri Doshi R. B. B.E.(C) Class : Member (Co-opted)
10. Shri Modi B. C. T.E.(C) Class : Member
11. Shri Mahendrakar A. Y. T.E.(C) Class : Member
12. Shri Sontakke S. V. T.E.(C) Class : Member (Co-opted)
13. Shri Ghodke A. A. S.E.(C) Class : Member
14. Shri Koradia K. J. S.E.(C) Class : Member
15. Shri Jasani B. L. F.E.(C) Class : Member
16. Miss Sadhana Lad F.E.(C) Class : Member

Bharatiya Vidya Bhavan's SARDAR PATEL COLLEGE OF ENGINEERING

Munshi Nagar, Andheri (W), Bombay-58

The following are the prizes awarded to the student of this college based on the examinations held in 1981-82.

KULAPATI'S GOLD MEDALS

- 1) Shri JANI YAGNESH ANIL .. BE(C) .. For Securing first Rank in first attempt amongst the students of this college in first class with Distinction in B.E. (Civil) examination held in May, 1982.
- 2) Shri SHAIKH ABID ALIMIYA .. BE(M) .. For Securing first Rank in first attempt amongst the students of this College in first Class with Distinction in E.B. (Mechanical) Examination held in May, 1982.
- 3) Shri NALKUR SUNIL RAGHAV .. BE(E) .. For Securing first Rank in First Attempt amongst the students of this college and in first class with Distinction in B.E. (Electrical) examination held in May, 1982.

KULAPATI'S SILVER MEDALS

- 1) Shri SHAH KANHAIYA MADHUKAR .. BE(C) .. For securing second Rank in the college attempt & first class with Distinction in B.E. (Civil) examination held in May, 1982.
- 2) Shri RAIKAR AJAY DINANATH .. BE(M) .. For Securing Second Rank in the First Attempt and First Class with Distinction in B.E. (Mechanical) examination held in May, 1982.
- 3) Shri IYER GANESH KRISHNA .. BE(E) .. For Securing Second Rank in the First Attempt and First Class with Distinction in B.E. (Electrical) Examination held in May, 1982.

SHRI PRUTHVISH NARAYANDAS KILLAWALLA PRIZE (Rs. 100/-) Each

- 1) Shri MOKKAPATI SATISH VENKATARAMAN .. F.E. .. For Securing highest marks in the first attempt amongst the students of this College in F.E. examination held in May, 1982 and joined S.E. (Electrical) class for 1982-83.
- 2) Shri BALSE GURUDATT RAMANAND .. SE(E) .. For Securing highest marks in the first attempt amongst the students of this College at S.E. (Elect) examination held in May, 1982 and joined T.E. (Electrical) class for 1982-83.
- 3) Shri KARANDE KIRAN WASUDEV .. TE(E) .. For Securing highest marks in the first attempt amongst the students of this College at T.E. (Elect) examination held in May, 1982 and joined B.E. (Electrical) class for 1982-83.

4) Shri NALKUR SUNIL
RAGHAV

.. BE(E) ..

For Securing highest marks in the first attempt amongst the students of this college at B.E. (Elect) examination held in May, 1982.

SHRIPAD RAO DUBHASHI PRIZE (Rs. 75/-)

1) Shri SARODE DILIP
PREMCHAND

.. TE(C) ..

For Securing highest marks amongst our successful college students in the subject of 'Building Design & Drawing in T.E. (Civil) examination held in May, 1982 at the First Attempt.

SMT. AHALAYABAI TEMBE PRIZE (Rs. 100/-)

1) Shri JANI YAGNESH ANIL

.. BE(C) ..

For standing First in B.E. (Civil) Examination held in May, 1982 with 'Design & Drawing of Concrete Structural Engineering Subject.

PROF. R. N. JOSHI PRIZE (Rs. 100/-)

1) Shri JANI YAGNESH ANIL

.. BE(C) ..

Has been awarded prof. R. N. Joshi Prize for securing the highest percentage of marks in Sem. VII & VIII taken together and passing separately at First attempt in B.E. (C) examination during 1981-82.

SHRI JAYANTI SATYANARAYANA PRIZE

1) Shri PATEL MUKUND
PRATAPCHANDRA

.. TE(C) ..

For Securing highest marks in the subject of Structural Analysis Sem. V at T.E. (Civil) Examination held in November, 1981.

Merit Prizes of Rs. 50/- each (or books worth the amount) awarded by the department of Structural Engineering to the students obtaining first class and getting maximum number of marks in all "Structural Engineering" subjects taken together at the F.E. SE (Civil) TE (Civil) and BE (Civil) examinations held during the year 1981-82.

1) F.E.

..

Shri BHAT PRASHANTKUMAR A.

2) S. E. (CIVIL)

..

Shri SALUNKE SATISH U.

3) T. E. (CIVIL)

..

Shri PATEL MUKUND PRATAPCHANDRA

4) B. E. (CIVIL)

..

Shri JANI YAGNESH ANIL

MERIT PRIZES ON THE BASIS OF MERIT IN THE PRECEDING EXAMINATION MAY, 1982

Class			Name
<i>F. E. (CIVIL)</i>	I	..	Miss KHAIRE SHANTI VISHVANATH
	II	..	Shri MEHTA VINAY MADAN
	II	..	Shri AVLANI NEELESH SHANTILAL
<i>F. E. (MECHANICAL)</i>	I	..	Shri SHAH HARESH DHIRAJLAL
	II	..	Shri PETHE ABHAY GURUNATH
<i>F. E. (ELECTRICAL)</i>	I	..	Shri DESAI KIRAN KRISHNAJI
	II	..	Shri PAI KIRAN KRISHNA
	II	..	Shri MHASKAR VIJAY YASHWANT
<i>S. E. (CIVIL)</i>	I	..	Shri MOHILE SAMEER S.
	II	..	Shri DHANSE M. M.
<i>S. E. (MECHANICAL)</i>	I	..	Shri BHATT PRASHANTKUMAR AMRUTLAL
	II	..	Shri UPADHYAY RAKESH HARISHANKAR
<i>S. E. (ELECTRICAL)</i>	I	..	Shri MOKKAPATI SATISH VENKATARAMA
	II	..	Miss RAHEJA GITA RAGHUNATH
<i>T. E. (CIVIL)</i>	I	..	Miss MALI SUHAS DATTATRAYA
	II	..	Shri BOOKWALA ABBAS SABIR
<i>T. E. (MECHANICAL)</i>	I	..	Shri GADKARI SANDEEP VASANT
	II	..	Shri VAISHAMPAYAM VIDYADHAR ACHYUT
<i>T. E. (ELECTRICAL)</i>	I	..	Shri BALSE GURUDATT RAMANAND
	II	..	Shri VAGHMARE SHAMSUNDER SHRIKRISHNA
<i>B. E. (CIVIL)</i>	I	..	Shri PATEL MUKUND PRATAPCHANDRA
	II	..	Shri GODSE MOHAN MANOHAR
<i>B. E. (MECHANICAL)</i>	I	..	Shri ALREJA RAJESH HARISH
	II	..	Shri TEHILANI NARESH GULABRAJ
<i>B. E. (ELECTRICAL)</i>	I	..	Shri KARANDE KIRAN WASUDEV
	II	..	Shri VAISHNAV UDAY DUSHYANT

THE

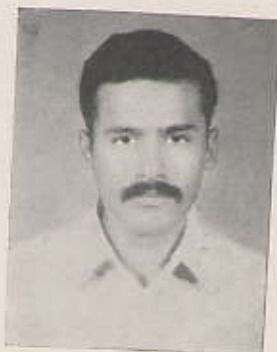
GYMKHANA COMMITTEE 1982-83



Milind Ingawale
Cultural Secretary



Sunil Dake
Wall paper and college Magazine



Neil Francisco
General Secretary



Makarand Mulay
Library



Rajendra Metkar
Cine-Club



Sandip Chandawarkar
Cricket



Parag Edwankar
Outdoor Games



Piyush Kapadia
Indoor Games



P. N. Podar
Athletics & Hiking



Kaushik Mistry
Literary activities



Jayesh Rambhiya
Industrial Tours & Visits



Ajit Dongarkeri
Gymnasium

SARDAR PATEL COLLEGE OF ENGINEERING

Munshi Nagar, Andheri, (W), Bombay-400 058.

GYMKHANA COMMITTEE — 1982 —83

<i>President</i>	<i>Vice-President</i>	<i>General Secretary</i>
Shri R. S. Bhandarkar Director & Principal	.. Prof. R. H. Kulkarni	.. Shri Neil Francisco
<i>Activity</i>	<i>Ex-Officio</i>	<i>Secretary</i>
<i>Student Welfare</i>	.. Prof. (Mrs.) S. J. Jogalekar	.. Neil Francisco
<i>Cultural Activities</i>	.. Prof. (Mrs.) S. J. Jogalekar	.. Milind Ingawale
<i>Magazine & Wall paper</i>	.. Prof. V. R. Doiphode	.. Sunil Dake..
<i>Cine Club</i>	.. Prof. S. K. Patel	.. Rajendra Metkar
<i>Outdoor Games</i>	.. Prof. A. V. Raul	.. Parag Edwankar
<i>Indoor Games</i>	.. Prof. C. S. Nerurkar	.. Piyush Kapadia
<i>Cricket</i>	.. Prof. A. V. Raul	.. Sandip Chandawarkar
<i>Literary activities</i>	.. Prof. A. V. Bhosale	.. Kaushik Mistry
<i>Library</i>	.. Dr. S. S. Maneck	.. Makarand Mu'ay
<i>Athletics & Hiking</i>	.. Prof. A. V. Raul	.. P. N. Podar
<i>Gymnasium</i>	.. Prof. S. W. Marathe	.. Ajit Dongarkeri
<i>Industrial tours & Visit</i>	..	.. Rambhiya J. K.

STUDENTS MEMBERS

- (1) Miss Parita Mehta
- (2) Shri Mehta V. M.
- (3) Shri Karandikar M. M.
- (4) Shri Joshi H. R.
- (5) Shri Joshi S. S.
- (6) Shri Ghodke A. A.
- (7) Shri Desai P. H.
- (8) Shri Nadgauda S. D.
- (9) Shri Modi B.
- (10) Shri Joy R.
- (11) Shri Padhye R. G.
- (12) Shri Apte S.
- (13) Shri Ayer R.
- (14) Shri S. Mokkapati
(Nominated-Member.)

ENGLISH

QUALITY CONTROL IN MODERN ENGINEERING

B. E. (Mech.)
Ketan D. Mehta

FIRST PRIZE

ALL human institutions exist to provide products or services to human beings. An essential aspect of these products or service is that they be fit for use. This phrase "fitness for use" is the basic meaning of the word "quality."

The modern conception of the creation and control of quality by definition means the development and realization of specifications necessary to produce economically and in adequate degree, the appearance, efficiency interchangeability and life which will ensure the products' present and future market.

This broad definition emphasizes the fact that there are facets of quality; its creation and its measurement. Through its field contacts with users, a company determines what qualities are needed by those users. Research and development specialists then create a product concept which can meet these quality needs of the users. Design engineers prepare product and material specifications embodying these needed qualities.

The measurement function i.e. the responsibility for determining the facts during and after production takes place, is naturally a very important one, but measurement by itself does not constitute control. The facts must be analysed the discrepancy between what is desired and what is actually achieved has to be evaluated, so that some positive conclusions and guiding principles may be derived and applied at all the stages where quality is created, right from the development and design stages to the final assembly lines. Hence, the functions purposes of quality control are:

- (1) To satisfy the customer by endeavouring to comply with the declared specifications of the product.
- (2) To ensure that the work may proceed to the next operation (i.e. to avoid superfluous processing of faulty goods).
- (3) To be instructive so that recurrence of mistakes could be eliminated.
- (4) To compare the quality level obtained with the desired level as a basis for process control.
- (5) To reduce scrap to an economic level.

There are optimum level of both quality of design and quality of conference and these optimums are w.r.t. cost. A poor quality programme will result in excessive costs and/or late deliveries. A good quality programme may cost more initially but will more than pay its way in reducing quality losses and late deliveries due to poor quality. Such a lofty objective is stated to emphasise that the business nature of the quality problem necessitates a stress on 'prevention' rather than just correction of quality problems.

The industrial revolution ushered in mass production which is based on mass consumption and attainment of quality became less a matter of handicraftmanship and more a matter of design, construction, operation etc. of manufacturing processes.

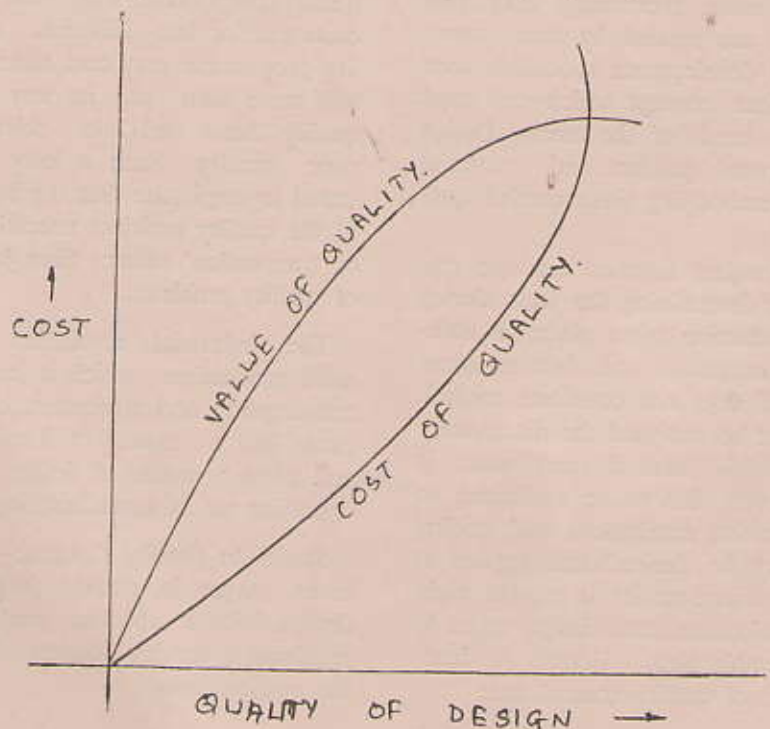
Stages In Quality Control:— There are seven stages in quality inspection, each designed for a specific purpose and each requiring a varying degree of emphasis in the quality control.

1. Inspection of incoming materials and bought out components.
2. Inspection at the purchaser's plant.
 - (a) Complete 100 per cent inspection this is tedious, lengthy and costly.
 - (b) Sample inspection (i) Single Sampling (ii) Double Sampling (iii) Multiple Sampling.
3. Inspection on the vendor's premises.
4. Inspection by self control.
5. Inspectors' control after operations.
6. Final Inspection and
7. Post-sales quality evaluation.

Economics of Quality of Design:— As a rule, higher — quality of design means higher costs. However human ingenuity often finds ways to make designs both better and cheaper. Designs are simplified to use fewer parts, to use less expensive materials, to require fewer operations.

Adjacent graph shows:—

1. That while higher quality of design usually costs more, higher quality of conformance usually costs less.



2. That choice of quality of design requires participation by all departments of the company.

In the present age of mass production virtually every company spends money on some aspect of achieving fitness for use. The activities and costs involved are mainly of.

1. Basic cost of manufacture i.e. raw material overhead etc.
2. Cost of defectives, rejection and scrap etc.
3. Cost of quality control i.e. inspection stoppage in production evaluation, employment of specialists etc.

But as we have seen before that a quality programme will result in extra cost and a good quality programme will cost initially more but will more than make its way in reducing quality losses, many companies have given special attention to quality control problems and have set up quality control centres which also help to improve the company's reputation in the market.

Quality Control in Modern Engineering

Iyer Raju Mani
T. E. (Elect.)

Second Prize

"THE entire truth about anything is almost impossible to tell within practical limits — No desert is absolutely dry, no liquid absolutely wet. No plain completely flat, no ball-bearing truly round" — *Shidde*.

Cynical words these, but then quality is defined as *satisfactory* conformance to specification and design such that the product gives customer satisfaction, dependable service and reliability. Thus the control of quality encompasses a very vital objective of production, i.e. customer satisfaction. Basically quality control (QC) involves three basic procedures: OBSERVING of problems, defects etc. and recording information and data to facilitate the REPORTING of incidence causes and possible remedies with a view to effective ACTION to improve methods, facilities, procedures and training as necessary. Now, modern engineering involves higher production rates, manufacturing products at separate locations, interchangeability and spares which should be freely available and could be used without special fitting or adjustment. Hence, the importance of schedules and tables for limits, fits and tolerances, in other words, quality control, is obvious. Without adequate QC, much of the progress in modern engineering would be meaningless: Consider for example a 'revolutionary' method which results in production of button cells for calculators and quartz watches at an incredibly low price. Such a product would be met with total rejection by the market, if it were discovered that some of the cells do not fit properly, resulting in loose contacts. Thus, with increasing emphasis that present day technology lays on accuracy and customer

satisfaction, the importance of QC cannot be overstressed.

The means of achieving a desired level of control over quality vary from simple physical examination at the smallest level to 3-dimensional electronic X-ray scanning ultrasonic detection for internal cracks and imperfections is used extensively, while the popularity of Computer Numerical Control (CNC) for production, itself indicates the trend of modern engineering and its objective of producing quality goods, quality as defined in the beginning of the second paragraph. Today's forgings and castings are not only checked for size deviation and wide variation, but are thoroughly tested with respect to the following properties: Porosity, corrosion, contamination and inclusions, instability, ageing stresses, cracks, flaws, faulty protective treatment etc. Today, in the engineering industry, the QC manager is awarded the righteous respect he so richly deserves. Once production people realize that QC can save them producing faulty work, avoid scrap or rework with support for action, their outlook changes. Their production schedules improve and they tend to depend more on quality control as a production aid.

With miniaturization and specialisation continuing to hold forth as outstanding characteristics of modern engineering, the future certainly holds forth a lot for QC. Buyers may negotiate a keen commercial price, but they are becoming increasingly aware that a low-priced unsatisfactory product will react to their detriment. In short, quality control in modern engineering is not just a term to be flashed in advertisements but a stepping stone to man's ultimate ambition — growth.

IT's A BLUE BURNER NOW

Naresh K. Wadhvani
(S. E. Mech)

MOST of the fuels used today are impure substances. For example, oil and coal contain sulphur which, when burnt, form sulphur dioxide and sulphur trioxide. Nitrogen from the combustion air and fuel combine with Oxygen to form hazardous nitrogen oxides. In addition, combustion does not usually take place under ideal conditions, resulting in the formation of carbon monoxide and soot.

All these factors contribute to air pollution. If the burning of fuels continues to increase at the present rate without serious thought being given to the resultant products, we will find ourselves in an extremely critical situation in the future.

There are two basically different methods of approaching the pollution problem. The first approach is generally slow and expensive since special equipment such as collectors, precipitators are required. Thus, it is the second approach — that of reducing undesirable products to a minimum right at the combustion stage — which offers a solution worthy of seeking.

Under the direction of Prof. Rolf Collin, a major project devoted to the development of a completely new type of burner has been carried out at the Department of Heat and Furnace Technology of the Royal Institute of Technology, Stockholm. The new design was christened the Blue Burner — the name signifying the fact that complete combustion which produces no soot is characterized by a clear, blue flame against a dark background.

The objective was to design a burner capable of achieving complete combustion at the lowest possible excess air ratio, thereby minimizing the formation of soot,

sulphur trioxide, nitrogen oxides and carbon monoxide. Efforts were also made to reduce the burner noise level in comparison with conventional burners.

The first prerequisite in preventing the formation of soot is the rapid vaporization of the fuel, accompanied by rapid air mixing. The secondary requirements include recirculation of part of the fuel gases to the flame zone which promotes the evaporation of atomized oil droplets.

The foregoing is based on radical recirculation of the fuel gas flow. The combustion air flow is parallel to the oil spray which is in the shape of a conical envelope. The flue gases, which are recirculated regularly without swirl, reapproach the burner nozzle along its axle. The gases first encounter the atomized oil spray with which they mix, presumably heating the fuel, completing the process of vaporization and, possibly, also pre-cracking the fuel. This process prepares the oil fuel gas mixture for mixing with the combustion air, thereby establishing excellent conditions for burning all of the combustibles. The result is complete combustion, without carbon monoxide being formed. The sulphur trioxide content of the flue gases from the 'Blue Burner' is extremely low. Thus, the risk of low temperature corrosion at reduced gas temperatures is decreased. Emissions of nitrogen oxides from the 'Blue Burner' have proved to be considerably less than produced by conventional burners, the primary explanation being that the combustion air and gases are diluted by the recirculating fuel gases, resulting in a lower local oxygen concentration and temperature in the reaction zone.

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Madhia
(Mech)

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The 'Blue Burner' is also capable of completely soot-free combustion under sub-stoichiometric conditions. The reduced air flow in comparison with conventional burners and the fact that air is not supplied to the nozzle with swirl calls for reduced noise level of the fan. It is suitable for use in heating boilers and industrial furnaces. It could be fired successfully with LPG, natural gas, hydrogen and blast furnace gas.

When firing with oil, the burner itself can be modified immediately to burn a dif-

ferent grade. Simple replacement of the burner lance is required when changing from a liquid to a gaseous fuel. The flame is short and flat, the colour being on intense blue against a dark background and completely transparent when seen against glowing surfaces.

The 'Blue Burner' is now ready for commercial developments and will probably appear in the market within the next few years. The design is protected by patents in several industrial countries.



A MAN AND A WOMAN

*Men love women, for what they do,
Women love men, for whatever they do.*

*Men want to be loved for what they do,
Women want to be loved for whatever they do.*

*Men love before, women love's after,
Men enjoy the HUNT, Women enjoy the HUNTING.
Men are not sexy, if they think they are,
Women are not sexy, unless they think they are.
A woman keeps silent, when she is in right,
A man keeps silent, when he is in wrong.*

*A woman reads the instructions for a GADGET before using
it,*

A man after he has BROKEN it.

*Men and women see the FUNNY side of each other,
But woman conceal the AMUSEMENT better.*

*Woman proposes, disposes, enposes, supposes,
But man DOES.*

*Men are the finders, women are the keepers,
Men play the game, woman keep the SCORE.*

So who wins,

— R. P. Landekar
T. E (civil)

A FEW POEMS

— Khan A. I.

B. E. (M)

CRAZEE

LIMMERICKS

*There was a young fellow from Wheeling,
Endowed with such delicate feeling,
When he read on the door,
"Please do not spit on the floor,"
He jumped and spat on the CEILING.
There was a young girl from FRANCE,
Who thought she'd just take a CHANCE,
For an hour or so,
She let herself go,
And now all her sister's are AUNT'S.*

*There was a young man from PERU,
Who dreamt he was eating a shoe,
He woke up in the night,
And With a Fright,
Found that it was perfectly TRUE.*



YELLOW MOON

*The Moon was Yellow,
The Lane was Bright,
She turned to me,
In the Autumn night.
With Every glance,
She gave a hint
That what she carved
Was real romance.
I stammered. I stuttered.
And time went by,
The moon was yellow,
..... So was I.*



POOR L'LL PETER

*Said Little Peter,
"Daddy my teacher,
Returned from florida,
In the noon,
From a Honeymoon."
Continued Little Peter,
"Honest Dad I feel,
She's fibbing a good deal,
I saw her looking panned,
But she isn't a bit sun-tanned."*



*Before I heard Professor's tell,
The Danger's of a kiss,
I had considered kissing you,
The closest thing to bliss,
But now I know BIOLOGY,
And sit and sigh and moan,
Twenty Thousand Damned Bacteria,
And I thought we were ALONE.*



*To hell with a Girl,
Who cooks like her Mother,
I'd like one,
Who makes dough like her father.*



*Now I lay me down to sleep,
The Professor is dry, The lecture's deep,
If he should quit before I wake,
Someone kick me for goodness sake.*

FUN TIMES CRICKET TIMES

Partha Mukherjee
S.E. (Mech.)

A. I.
E (M)

THE way in which the commercial houses are taking up sponsoring sports, I seriously feel that within a few years games like cricket may undergo several modifications to suit the sponsor's tastes — of course in a very healthy way, in the interest of the game itself. I predict the following situations arising in the near future.

The cricket lovers are seated in a cake shaped stadium, built by various cake manufacturers like "Monginis," "Kwality" etc. with exclusive rights of having the gates named after them.

The lush green ground having flower pots placed along the boundary line. The nursery owner having sponsored the 12th man, and allowed to sell flowers in the ground premises. Thus adding lots of colour and smell to the boring game.

The two sight — screens, donated by Bombay-Dyeing having their latest towel and Bed-sheet designs on them. Of course the game may have to sacrifice a little for the sponsors who are ploughing in so much money.

The stumps being in the shape of "Energee" bottles at one end and "Thums Up 500" at the other, with the respective ends named after the sponsors. In the middle of the wicket is a prominent Zebra crossing, at the insistence of the traffic commissioner of Bombay, hoping to educate the crowd about traffic rules.

Soon the umpires came out smoking "Avanti" cigars, and announced over the public address system (courtesy — Philips) that though smoking is injurious to health, they liked. "Avanti cigars, adding

that the bails were donated by the cigar firm in the shape of the cigars themselves.

The coin for the toss was presented by a well known jeweller whose name was displayed on the score board. The diamond studded coin would be given to the captain of the toss winning side.

The Indian team took the field each player having an endorsement of the sponsoring firm on his Shirt or T-Shirt. Gavaskar was the only one suit. He being sponsored by Nirlon and was wearing a Nirjet Suit. The wicket-keeper was sponsored by Brylcreem, Kapil Dev by Palmolive, Sandeep Patil by BSA — SLR. Doshi by State Bank. Madan Lal by "Mohun Meakins," Vengsarkar by "Mumbai Sakal," Vishwanath by "Gavaskar" etc.

Kapil announced that he preferred bowling with "Olympic" brand balls, the rest of the team followed soon with goods ranging from shaving blades to Cricket bats and even Sunil Gavaskar's latest Cricket book.

Soon the newsreleases of H.M.V. and Music India were played to entertain the players and the spectators.

Vijay Merchant was busy selling "Thackersey" cloth material at a special stall. There was a 20 per cent discount for all season ticket holders. Now and again he would take time off to narrate (several stories of his time) over the public address system.

There was some confusion in the ground as Mohindar Amarnath didn't use the

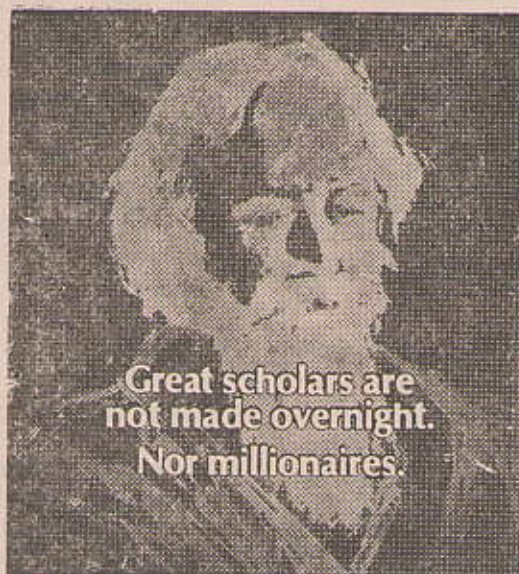
Zebra crossing for crossing the wicket and was fined by the police officer in charge. All in the interest of the discipline of the game.

Vijay Merchant reacted promptly by donating a "terene cotton" trouser piece to the law abiding police officer and invited him to his office to discuss cricket with him over a cup of tea.

The Umpire announced that according to his "Timestar" it was time for drinks. Leg Umpire agreed after consulting his H.M.T. quartz and adding that drinks was 0.02 seconds due.

The players refreshed themselves with "Energee" and "Thums Up" taking care

to drink equal amount of each drink. Kapil had a quick shave. Patil rode around the ground demonstrating the new BSA — SLR. Vengsarkar read out the head lines of "Mumbai Sakal," Doshi went to deposit Rs. 100/- at the State Bank's Stadium branch announcing that his money will be doubled in 120 months. Gavaskar changed his suit, Vishwanath said he was insuring himself for "ducks" with "United India insurance." The wicket keeper applied Brylcream on his head, as it kept him cool. He was warned not to stop any ball with his head as it may add to the shine of the ball. The 12th man spent his time watering the flower pots and telling the names of the flowers to the spectators. The Umpires had another smoke.



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A Sordid Affair

R. V. Mahajan
S.E. (Mech.)

IN the first few days of my convalescence in Matheran, I generally kept to myself. I took long walks or spent my time in the company of Talat Mehmood ghazals. But after a few days; though Talat was as mellifluous as ever, on increasing desire for human company began to manifest itself. At first I failed to find any; the time of the year being one in which the influx of the tourist has abated and the rain obstinately refuses to fall; but after some time I did manage to make friends with the owner of nearby hotel.

We spent several evenings together in conversation or in a companionable silence. He was an old man in his sixties but in remarkably robust health. A few years ago he had come from the city in semi retirement and had built the hotel. Safely enough, having put premium on comfort than ostentation he had done well financially. All this I learned from our conversation. His speech had a tinge of cynicism that tends to add to the flavour of talk but just fails to make it intolerable.

At first we spoke of a number of things but then lacking in topics lapsed in to not uncomfortable silences. During these I studied him and I received a distinct impression that here was a man not to be trifled with. I felt that there was a touch of hardness behind a seeming affability.

One day I spoke to him of my impressions and I could see that I had pleased him. Though he attempted to mask it the pleasure he felt was easily evident. He complimented me on my acute observation and told me a story which he said would

bear out my observation. He first directed my attention to a servant employed in the hotel; a rather listless individual. I observed him and was amazed at the way he worked; at the obvious air of defeat that hung about him. The hotelier said.

"The man's name is Shastri. He was employed as a columnist a few years ago in the "BOMBAY-CHRONICLE," though you wouldn't believe if from the way he come down in the world. He contributed vague idealistic articles to the paper and spoke out against corruption and the rottenness of the social structure. His passionate appeals to end this were treated as the rantings of a naive man who has not understood the implications of the principles he speaks of. A rather peculiar story of affairs altogether.

But suddenly one fine morning Shastri sprang a surprise by publishing photostat copies of documents that construed in true light became damning evidence of graft and corruption in the undertakings of a prominent builder. This finished the builder as a public figure. For years he had taken money and spread his firm by offering favours to a number of officials. The builder left the place unable to face public outcry. But he made off with a fortune as well.

When Shastri had finished with taking the accolades he found himself suddenly sacked what he did not know was that the builder had secretly come back and made rounds in influential circles circulating the idea that Shastri was a danger. He had persuaded a number of public figures that

Shastri could topple them. They then used a number of ways and means and finally Shastri found himself on the street.

This rather drastic consequence of an unsavoury affair made other papers fear of repercussion. As a result Shastri became an outcast. I found him starving and took him I suppose he is here still out of gratitude."

"And now," he said in conclusion, I shall tell you why I said that your obser-

vation was acute. I am not, I cannot trifled with. No man beats me. I am builder he" pointing Shastri; "indicated

I looked as both — Shastri I saw as a man whose spirit has been crushed a man fallen and who cannot be despised. What manner of hold had the builder that could commit, such a crime? That should, not content with an ordinary revenge perpetrate a murder of the spirit and yet be so unrepentant? There is no reason why I should have stalked off. I did



SHE WAS ONE OF THE BEST

*The Call was too sudden to say good-bye,
But, memories of you will never die,
Softly as leaves of the memories fall.*

Gently I will gather and treasure them all.

*Close in my heart you will always stay
Loned and remembered every day.*

*Dearer to me than words can tell
Is the Girl whom I lost but loned so well,
You won't comeback, I know its true,
But someday I will be with you.*

*In memories I see you just the same
As long as I live I will treasure your name
Deep in my heart you are with me yet
I lone you too clearly ever to forget
In God's care you rest above
In my aching heart you dwell with love
Treasure her dear Lord in your garden of rest.*

For while on earth 'She was one of the Best.'

Manik Rane
T.E. (E.)





Did you know?

Oranges, Watermelons and lemons aren't fruits or vegetables.

Believe it or not, they are Berries.

Cleaves means both 'to adhere' and 'to Divide'.

The Angel falls in Venezuela are the highest waterfalls in the world. They drop more than 3000 feet.

...Neagara falls (only 160 feet) discharge 2,00,000 cubic feet of water every second.

Indian Hockey Team were OLYMPIC CHAMPS from 1928 to 1960!

Hotel Rossiya is world's largest hotel having 3,200 rooms, 93 lifts to 80 up and down and is situated in Moscow.

In connecticut U.S.A., there is a lake with an Indian name which means "You fish your side, I fish my side, Nobody fish in the middle. It is lake.

*Chargoggagogg manchau
gagaggg — chaubunagungamaug.*

Barkatali Daredia
S. E. (Mech.)



*I saw you and a Monkey on a fence,
The only difference I could find was,
That the monkey had more sense.*

*I have a little picture of you
I think its very nice,
I hang it in my attic,
to score away the mice.*

*When you are lonely sit in a rock,
remove your shoes and smell your sock.*

*Of there is fire, To contact Please look in last page.
You fool look on the last page only when there is fire.*

Baraktali Daredia
S. E. (Mech.)

THE ENGINEERS, ROMANCE

Arun V. Mahalingam

T.E. (Electrical)

MUCH has, upto now been written ad nauseum about great lovers throughout the ages like Romeo — Juliet or Shirin — Farhad and so forth. But the fact that strikes the casual observer most is that none of these lovers was an engineer. [For that matter nor was any lover a medico or a nuclear physicist, but let that pass]. So the obvious conclusion that most people derive is that engineers have no hearts, no finer feelings and the only love in their lives is the lathe or the furnace or the turbine. But just a few years ago there occurred a romance of such a proportion between two engineers that talks about it in the seedy canteens of all engineering colleges still makes the welkin ring.

The hero of the romance was the electrical engineer Four -Pi-Are-Square [4IIR²] and the heroine a mechanical engineer Calliper-runna. [Calli]

One day 4IIR² was strolling along the pavement thinking of Newton's theory when he, while turning a blind corner crashed violently into Calli who was coming from the other direction with an assorted pack of monkey wrenches. Muttering apologies which vaguely sounded like Maxwell's formulae, he bent to lift a wrench that had fallen from Calli's bag and then his eyes met hers. Her eyes, steady and glinting like mild steel held his own in a grip not unlike that of a bench vice and he then knew that he had at last found love. While he helped the limping Calli to her feet, his heart started beating like a Cooper engine and his blood raced at a 1000 rev./sec.

He then escorted her home all the while muttering apologetically in Fortran-4. She, over whelmed thanked him in C and lapsing sometimes into her native English. They finally reached her house which was in the shape of a synchronous machine. But by now it was dark and as the door opened, there stood her father Old-Diode-Valve. Seeing his only child limping slightly, he thundered at 4IIR² in recd. D.C. Then 4IIR² tactfully placated him by telling the old chap of the many uses of valves in bridge circuits. With this remark note struck, 4IIR² was invited in and both fell into a talk in which both of them roundly criticised the young hooligans of Silicon chips who had displaced valves. Mean while Calli went into the kitchen to light the furnace for making for both of them some eutechtoid tea with 0.8% carbon. Suddenly a loud knock similar to octane knock was heard outside the door, and then entered the villainous piece Pound-per-square inch [lb/in²]. [Note:—Villians in F.P.S. Heroes in I.P.S.] "Give me," said the knave in a voice of steel a steel piece going over a grinding wheel, "your daughter's hand in marriage, and I will close the mortgage on your house. This is your last warning".

"Never" said Diode-valve. "I have read rather loose all my books on Induction heating than surrender to your vile threats. Hearing this uproar, Calli came from the kitchen and threw all the steam into the furnace [with 0.8% carbon] on Lb/ in² def. This made the villian wild and she was cutting Old-Diode-Valve whose face had gone red, he grafted at Calli.

screeched and fainted. But his plans were abruptly open circuited by a flow of 50 kgf/cm² from the ham.

Like fist of 4IIR² in his stomach. Two upper-cuts ended the matter." Look here", bawled 4IIR² into the villian's ear, "you are out dated," and so saying, he drew out his torque-baffled- 25 volt-3 amp sodium-Iridium-ball point pen and wrote a cheque for 4000 S.I. units and threw it on the villian's face who scrambled away from the room. Meanwhile Old Diode Valve had ceased merrily rectifying A.C. to D.C. said brokenly "My boy, you can marry her if she is willing."

4IIR² rose quickly and gently awoke the fainted Calli.

Now was the time, thought he. Would she or wouldn't she? Would she answer the question that he had been wanting to ask her from the very first? Would she reply in the affirmative to the question that all men must ask all women some day? With his heart beating at 60c/s and pulse racing at 400 R.P.M. he took Callis hand, who was flushing like red hot steel, and said "Tell me dearest; does the Boltzman constant arise when the gas constant is divided by the Avogadro's Number?"



THOUGHT FOR THE DAY!!!

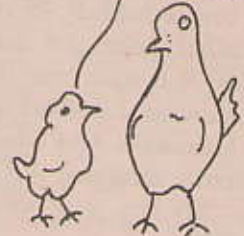
AM I PEOPLE



NO, YOU ARE CHICKEN



DO CHICKENS COME FROM PEOPLE



NO, THEY COME FROM EGGS



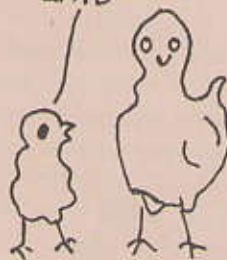
ARE EGGS BORN



NO, EGGS ARE LAID



ARE PEOPLE LAID



SOME PEOPLE ARE, OTHERS ARE CHICKENED



?



PARTHA MUKHERJEE
SE. (MECH)
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शशांक पाटकर



मंगेश बोरसे

मराठी वाङ्मय मंडळ



श्री. माधव मंत्री



श्री. रविंद्र पाटकर

आणि

‘क्रिकेट आणि क्रिकेट’ वर बोलताना



मराठी वाङ्मय मंडळ सदस्य
माधव मंत्री, रविंद्र पाटकर, शशिकांत झारापकर यांच्या समवेत

मराठी वाङ्मय मंडळ

१९८२-८३

या वर्षी आपल्या मंडळाने मोठ्या दिमाखात तिसऱ्या वर्षात प्रवेश केला. सांप्रत वर्षी प्रथमच प्रत्येक वर्गातून म. वा. मं. तर्फे दोन प्रतिनिधी निवडण्यात आले. अधिकाधिक विद्यार्थ्यांना यामुळे कार्यानुभवाचा लाभ झाला. गुरुवार दि. १४-१०-८२ रोजी "क्रिकेट आणि क्रिकेट" हा कार्यक्रम ठेवण्यात आला होता. माननीय वक्ते श्रीयुत माधव मंत्री, श्री. रविन्द्र पाटकर व आकडेवारी श्री. ज्ञांशिकांत झारापकर यांनी कार्यक्रम रंगतदारपणे सादर केला. या कार्यक्रमाचे अध्यक्षस्थान प्रा. रानडे यांनी भूषविले होते. दुसऱ्या दिवशी म्हणजेच शुक्रवार दि. १५-१०-८२ रोजी "सिंहासने" हा चित्रपट दाखविण्यात आला. या दोन्ही कार्यक्रमांना प्रेक्षकांचा भरवोस प्रतिसाद मिळाला.

मार्च महिन्यात मंडळातर्फे निबंध स्पर्धा आयोजण्यात आली. पारितोषिक विजेत्यांची नावे खालीलप्रमाणे आहेत :

प्रथम	द्वितीय	तृतीय
पारितोषिक	पारितोषिक	पारितोषिक
रु. ३०	रु. २०	रु. १५

१) श्री. गजानन नारायण आठवले, २) श्री. अमोल गणेश अवसरे, ३) श्री. विपिन लांजेकर.

म. वा. मं. तर्फे स्नेहसम्मेलनाच्या दिवशी "इंटर बुरखा वनवादनवी" ही एकांकिका श्री. अरुण देवरे यांनी प्रथम वर्ष (स्थापत्य शास्त्र) या वर्गातर्फे सादर केली. लवकरच आपल्या मंडळाच्या सभासदांच्या कलागुणाना वाव देण्यासाठी खास सूचना फलक लावला जाणार आहे.

मराठी वाङ्मय मंडळातर्फे यापुढे अधिकाधिक चांगले कार्यक्रम सादर केले जातील असे आम्ही मंडळाच्या वतीने आपणास आश्वासन देतो. आपण सर्वांनी आम्हास वेळोवेळी दिलेल्या उत्तम सहकार्याबद्दल आपले आभार मानून पुढील वर्षी देखील असाच प्रतिसाद द्यावा अशी विनंती करतो. म. वा. मं. चे कार्यक्रम सादर करताना प्रा. श्रीमती जोगळेकर, प्रा. श्री. कुलकर्णी व प्रा. श्री. नेहरुकर यांचे मार्गदर्शन लाभले याबद्दल आम्ही त्यांचे आभार मानतो.

आपले नम्र कार्यवाह

श्री. मंगेश बोरसे

श्री. शशांक पाटकर

() मराठी वाङ्मय मंडळ निबंध स्पर्धा ()
 () बक्षिस १ ले ()
 () प्रदूषण समस्या व उपाय ()
 () गजानन नारायण आठवले ()
 () F.E. (Civil) ()

तो पहा प्रदूषणाचा भस्मासूर एकोणिसाव्या शतकातील औद्योगिक क्रांतीबरोबर याने मुंबाने नांदणाऱ्या पृथ्वीवर आपले पहिले पाऊल ठेवले व आता त्याने इतके प्रचंड स्वरूप प्राप्त केले आहे आणि आता आपण पृथ्वी गिळू इच्छित आहे. आपण त्याला वेळेवरच रोखले पाहिजे नाहीतर एक दिवस पश्चात्तापाची वेळ आल्याशिवाय राहणार नाही.

प्रदूषण, प्रदूषण, प्रदूषण, प्रत्येक देशाला, शहरांना भेडसावणारा दिसाव्या शतकातील एक मोठा प्रश्न. जसजसा माणूस स्वतःची अधिकाधिक प्रगती करू लागला तसतसा त्याला प्रदूषणाचा प्रश्न अधिकच भेडसावू लागला.

‘प्रदूषण’ दिसाव्या शतकाच्या मध्यात निर्माण झालेली एक विकट समस्या. प्रत्येक देश, शहर आपापल्यापरीने या भस्मासूराचा नायनाट करण्याचा प्रयत्न करू लागले आहेत पण त्याच्यात कोणालाच पूर्णपणे यश लाभलेले नाही.

असे म्हणतात की झोपलेल्या माणसाला जागे करणे सोपे असते परंतु झोपल्याचे सोपे घेतलेल्यांना जागे करणे फार कठीण असते. या भस्मासूराने आपल्या कुत्स्याने त्यांची सोपे दूर केली आहेत.

दररोज औद्योगिक शहरातील कारखान्यातून मोठ्या प्रमाणावर धूर बाहेर सोडला जातो. या धूरामुळे हवेतील ऑक्सिजनचे प्रमाण कमी होऊन नायट्रोजन, कार्बन डाय ऑक्साईड, काजळी या सारख्या द्रव्यांचे प्रमाण वाढते व त्यामुळे हवा अशुद्ध बनते. या धुरात अनेक

विषारी द्रव्ये असल्यामुळे कॅन्सर, टी.बी. यासारखे अनेक रोग होतात. महाराष्ट्राला लालबाग, खार व बरळी या कारखान्यांच्या परीसरातील रोगांची टक्केवारी पाहिली असता वाटण्याइतक्या पटीने वाढली आहे. तुन सोडल्या जाणाऱ्या या धूराचा परिमाणवाढीत होत नसून तो मोबतालच बरही येतो. कारखान्यांच्या आसपासची पावसाळ्यात पानविरहीत होतात व पानांचा रंग पिवळा झालेला आढळतो. जवळील एका कारखान्यातून धुराबरोबर जाणाऱ्या SO_2 वायूमुळे तेथे पावसाळ्यात आम्लाचा पाऊस पडल्याची नोंद आता प्रमाण वाढल्यास ढग खाली येतात व मुंबईत धुके पडते व त्यामुळे अपघातांची संख्या वाढते.

जसजसी रस्त्यावरील वाहतूक वाढू लागली आहे. वाहनातून बाहेर पडणाऱ्या धूराचे प्रमाण टोकीयो, लंडन यासारख्या अतीवस शहरातील ‘ट्रॉफिक कंट्रोल’ पोलिसांना बरोबर ऑक्सिजनची नळकांडी लागू लागले आहे. आपल्या काही काळाने तीच परिस्थिती येण्यासारखी नाकारत येत नाही. धूरामुळे पडणाऱ्या धूराबरोबर हवेतील अपद्रव्ये खाली येऊन विषारी वायूने भरलेले सिलेंडर्स समुद्रावर

जातात. वारा जमिनीच्या दिशेने वाहत असल्यास विपारी वायूचा पर्यावरणावर वाईट परिणाम होतो ह्या प्रदूषणाचा परिणाम निरनिराळ्या घातांवरही दिसतो.

निरनिराळ्या रूपाने हवेत येणारी किरणोत्सर्गी द्रव्येसुद्धा हवाप्रदूषणास कारणीभूत होतात. या किरणोत्सर्गचे मानवावर पिढ्यान्पिढ्या परिणाम होतात.

हवेचे प्रदूषण कमी करण्यासाठी अनेक उपाय योजले आहेत. नवीन व उंच धुरांडी लावल्याने धूर वरती जातो व प्रदूषणाचा धोका अंशतः टळतो. मोठमोठ्या शहरातून हवा शुद्ध करणारी यंत्रे लावली जातात. हवेतील काजळीचे प्रमाण मोजण्यासाठी वापरण्यात येणाऱ्या यंत्रात पंधाऱ्या सहाय्याने हवा आत खेचली जाते. हवेतील काजळी या यंत्राच्या पृष्ठभागावर लावलेल्या फिल्टरपेपरवर जमा होते. ह्या प्रदूषण कमी करण्याकरीता झाडे लावण्याचे उपक्रमही होतात घेण्यात आले आहेत.

हवा प्रदूषणा खालोखाल दुसरी समस्या म्हणजे पाणी प्रदूषण. कारखान्यातून दररोज हजारो लिटर निरुपयोगी व विपारी पाणी समुद्रात अथवा नदीत सोडले जाते. या पाण्याद्वारे निरनिराळी अपद्रव्ये व विपारी रसायने समुद्रात जातात. ही विपारी द्रव्ये जलचर प्राण्यांस अभावकारक ठरतात. काहीवेळा समुद्राच्या पृष्ठभागावर तेलाचा थर तयार होतो. या प्रदूषणामुळे एकदा हजारो मेलेले मासे समुद्रावर आढळून आले होते. अशुद्ध पाणी शहरातील लोकांना पुरविल्याने निरनिराळे रोग संभवतात. पारा हे अपद्रव्य पाण्याधरोवर पोटात गेल्यास त्याचे गंभीर परिणाम आठ ते दहा वर्षांनंतर दिसून येतात. याच अपद्रव्यामुळे गर्भपात होण्याची शक्यता असते. मोठमोठ्या शहरातून मलमूत्र व कचऱ्याचे ढीगच्या ढीग समुद्रात सोडले जातात. यामुळे प्रदूषण आणि खोलाच वाढते. यासाठीच महाराष्ट्र सरकारने केलेल्या कायद्यान्वये मलमूत्रावर प्रक्रिया करून नंतरच ते समुद्रात सोडले जातात. कारखान्यातून मलमूत्रावर प्रक्रिया करून नंतरच ते समुद्रात सोडले जातात.

कारखान्यातून बाहेर पडणाऱ्या पाण्यावरही अशीच प्रक्रिया करावी लागते. पाणीपुरवठा करण्यापूर्वी पाण्यात क्लोरीन, डी.डी.टी. यासारखे जंतुनाशक पदार्थ मिसळले जातात.

दुसऱ्या महायुद्धात जपान शरण येत नाही हे पाहून अमेरिकेने हिरोशिमा व नागासाकी या दोन मोठ्या शहरांवर अणुबाँब टाकले. या बाँबमुळे लक्षावधी लोक मृत्यू पावले, लुळे पांगळे झाले अमाप कितहानी झाली. या परीसरातील किरणोत्सर्गी द्रव्यांमुळे तेथील माणसांच्या शरीरात बदल घडून आले.

लव्हकॅनॉल नायगरा फॉल्स शहरातील एक नयनरम्य व सृष्टीसौंदर्याने युक्त असा परीसरः तेथील एज्युकेशन बोर्डाने बांधलेल्या फ्लॉटस्वर रहायला आलेल्या प्रत्येक घरात काहीना काही दुखणे सुरू झाले. हिरवळीवर लोळल्यानंतर लहान मुलांच्या अंगावर पुरळ येणे, दम्याचा त्रास होऊ लागला. १९७७ च्या वर्षाच्या अतिवृष्टीनंतर कॅन्सर, हार्ट डिसिज, फिटस, डोकेदुखी यांसारखे रोग होऊ लागले या प्रकरणाचा सरकारने अधिक शोध घेतल्यावर असे आढळून आले की नायगरा नदीतून कालवा काढून त्यापासून जलविद्युत निर्माण करण्यासाठी ३-४ मैल लांब व ६० फूट रुंद खड्डा खणण्यात आला व अपुऱ्या भांडवलामुळे तो तसाच सोडण्यात आला. पुढे 'हुकर केमिकल्स' आणि प्लाष्टिक कंपनीने विपारी द्रव्यांच्या पेट्या खड्यात टाकून तो खड्डा बुजविला. या विपारी द्रव्यात कॅन्सर निर्माण करणारी व बेन्झीन, CO_2 व $dioxin$ यासारखी घातक द्रव्ये होती. वर्षाच्या अतिवृष्टीमुळे हे ड्रम्स फुटून त्यातील द्रव्ये बाहेर पडली व जमिनीतून पाण्याधरोवर झिरपत जाऊन पाण्याला मिळाली व तेथील पाणी विपारी बनून आरोग्यास घातक बनले.

प्रगतीची शिडी चढत असतानाच मानवाने निरनिराळी कृत्रिम आवाज करणारी उपकरणे बनविली, व हीच उपकरणे आता ध्वनीप्रदूषणास कारणीभूत ठरत आहेत. रेडीओ, टेपरेकॉर्डर, तोफा, रायफली, मोटारी, बसेस इ. वस्तू ही ती उपकरणे होत. तसेच

निरनिराळ्या आधुनिक धांवचा आवाज इतका असतो की त्यामुळे कानाचे पडवे फाटले जातात. सुकंग, रॉकेट्स यामुळेही ध्वनीप्रदूषण वाढते. जास्त स्पंदनाचा ध्वनी ऐकल्यास माणूस बहीरा होतो. रॉक संगीतामुळे माणूस बहीरा झाल्याची नोंद आहे. गणपती उत्सवातील मोठ-मोठ्या रेकॉर्ड्समुळे, लग्नातील बाजंत्रीमुळे व वाहनांमुळे ध्वनी प्रदूषणात आणखीनच भर पडत आहे.

ध्वनीप्रदूषण रोखण्यासाठी निरनिराळे उपाय योजलेले आहेत. गणपती उत्सवातील टेपरेकॉर्डसाठी

पोलिसांची परवानगी घ्यावी लागते तसेच त्याला वेळेची मर्यादाही असते. सायलेंसर लावून निरनिराळे आवाज बंद केले जातात.

असा हा हवा, पाणी व ध्वनी प्रदूषणाचा भस्मासुर दिवसेंदिवस वाढतच आहे. व आता त्याला पाबली-पाबली विरोध होऊ लागला आहे. सर्व तरुण, वृद्ध माणसांनी आपापल्यापरीने प्रदूषण न होऊ देण्याचा प्रयत्न केला तर आज नाही तरी शंभर वर्षांनी तरी पृथ्वीला पूर्वांचिच रूप प्राप्त होईल.

★

‘प्रश्न’

तुझ्यासाठी मी
प्रतीक्षेचा दिवा घेऊन
रस्त्यावर उभा राहिलो होतो-
शब्दांच्या बसस्टॉप वर
तुझ्या येण्याची चाहूल घेत राहिलो
पण तू आली नाहीस
आणि मग
निराशेने मला ग्रासले,
काहीच कळत नसताना
उगीच तुझी वाट पाहिली
हे कळून देखील मी
घरची वाट घरली नाही
प्रतीक्षेतच मी गुंगून गेलो
हरखून बसलो
प्रतीक्षेचे कारणच विसरून गेलो
आणि जेव्हा तू आलीस...
वाटले तू नाही, मीच आलो आहे
मग इतका वेळ
मी कुठे होतो ?

शंकर बोडे

बी. ई. (सिव्हिल)

पराजय !

हा पराजय,
क्षणाक्षणाला सोसणे,
दुबळेपणा माझा,
छे...छे नक्कीच नाही !
या पराजयानीच,
जयाचा रास्ता,
अधिक जवळ येतोय !
अधिक जवळ येतोय !
अधिक स्पष्ट होतोय !
अंतिम विजय माझाच,
तो मला नकोय,
तोच नको ग मला,
कारण तुझा पूर्ण पराभव झाल्याशिवाय,
ते अशक्य !
तरीही झगडा जीवघेणा,
नसानसांना कणाकर्णांना,
पिळून पिळवटून टाकणारा,
कशासाठी झगडतोय मी,
कशासाठी ? ? ... कशासाठी... ???

राजेश रा. सोमवंशी

टी. ई. (सिव्हिल)

मराठी वाङ्मय मंडळ निबंध स्पर्धा वक्षिस २ रे इंधन पुरवठा-समस्या व उपाय

अमोल गणेश अवसरे
तृतीय (विद्युत)

अन्न-धान्य उत्पादनवाढीच्या विविध प्रयत्नांमुळे देशात वेळोवेळी उद्भवणाऱ्या दुष्काळजन्य परिस्थितीवर बरीचशी मात करता आली असली तरी, अन्न-धान्य पुरवठा सतत उपलब्ध करता येत असला तरी दररोजचे अन्न शिजविण्यासाठी लागणाऱ्या इंधनाचा प्रश्न मात्र आम्ही अद्याप सोडवू शकलो नाही. देशाच्या नागरी भागांत विद्युतशक्ती, गॅस, दगडी कोळसा, घासलेट इत्यादि इंधन प्रकारांचा पुरवठा, महाग का होईना, पण उपलब्ध होत असतो. परंतु आज ग्रामीण भागातील बहुसंख्य जनतेला इंधनासाठी धनधन तर फिरावे लागतेच, पण त्याच बरोबर इंधनाअभावी उपाशीपोटी राहाण्याचीही पाळी आली आहे.

लाकूड हेच इंधन

तसे पाहिले पर इंधन तेलांच्या किमती वाढल्यामुळे जगात ऊर्जा संकटाची खरी जाणीव झाली. त्यातच आता जगाच्या निम्म्या लोकसंख्येसमोर अन्नासाठी लागणाऱ्या इंधनाच्या रूपाने दुसरे ऊर्जा संकट उभे ठाकले आहे. जगातील २०० कोटीपेक्षाही अधिक लोक अजून अन्नासाठी संपूर्णपणे लाकूड, शेण, पिके व शेतीक्षेत्रातील अवशिष्ट पदार्थ यासारख्या पारंपारिक इंधनावर अवलंबून आहेत. विकसनशील देशांत एकूण ऊर्जा वापरापैकी ५० ते ९० टक्के ऊर्जा वापर हा पारंपारिक इंधनाचाच असतो. या पारंपारिक इंधना-

मध्येसुद्धा लाकूड हाच प्राथमिक उर्जास्रोत आहे. जगातील गरीब देशांत दहा लोकांपैकी नऊ लोक इंधनासाठी जळाऊ लाकडावर अवलंबून असतात. म्हणून विकसनशील देशांत ८९ टक्केपर्यंतची लाकूडतोड ही केवळ स्वयंपाकासाठी लागणाऱ्या इंधनासाठी केली जाते याचे आश्चर्य वाटू नये. एवढेच नव्हे तर, या शतकाअखेर सुमारे ३०० कोटी लोकांच्या दृष्टीने अन्नासाठी लागणाऱ्या इंधनाचा विचार करावा लागणार आहे.

मर्यादित पुरवठा

आपल्या देशाच्या एकूण ऊर्जा गरजेत पारंपारिक ऊर्जा गरजेचा वाटा सुमारे ३५ टक्के आहे. त्यातही इंधन लाकडाची गरज हीच सर्वात अधिक आढळते. संपूर्ण देशपातळीवरील घरगुती इंधनाचा विचार केला तर सध्या ६३ टक्के लाकूड, १४ टक्के घासलेट, १० टक्के शेण, ५ टक्के लाकडी कोळसा आणि ४ टक्के दगडी कोळसा या प्रमाणात इंधन वापरले जाते. या-शिवाय कोक व विद्युतशक्ती यांचा वापर जमतेम ३ टक्के, तर गॅसचा वापर अद्याप १ टक्का इतका आढळतो. लोकसंख्येच्या दृष्टीने पाहिले तर नागरी भागातील ५१ टक्के दुर्बल घटक व जवळ जवळ सर्व ग्रामीण लोक यांच्या ८५ टक्के इंधन गरजा या केवळ लाकडाच्याच स्वरूपातील आहेत.

सोमवंशी
(सिन्हील)

भारतात पारंपारिक उर्जेबाधत असमतोल निर्माण होण्याचे प्रमुख कारण म्हणजे एका बाजूला उर्जेची मागणी सतत वाढत आहे, तर दुसऱ्या बाजूला तिचा पुरवठा भाग कुठित झाला आहे. राष्ट्रीय कृषि आयोगाच्या मते १९७० मध्ये जळाऊ लाकडाची वार्षिक गरज १५ कोटी घनमीटर होती ती १९८५ मध्ये २०.३ कोटी आणि इ.स. २००० मध्ये २२.५ कोटी घनमीटर इतकी होईल. पण १९७० मध्ये जंगलातील जळाऊ लाकडाचा पुरवठा फक्त १.३ कोटी घनमीटर एवढाच होता. याचा अर्थ १३.७ कोटी घनमीटर जळाऊ लाकडाची गरज ही बेकादेशीर जंगलतोड व शेतीतील जळण्यायोग्य उत्पादन यांच्या साहाय्याने भागविली गेली. १९७५-७६ मध्ये देशात १३.३१ कोटी टन जळाऊ लाकडाचा वापर करण्यात आला होता. त्यापैकीमुद्दा केवळ ३० टक्के पुरवठा हा नोंदलेला पुरवठा होता.

जबर किंमत

आजपर्यंत अन्नासाठी लागणाऱ्या इंधनाच्या प्रश्नाचे गंभीर्य आम्ही पुरेसे लक्षात घेतले नव्हते हे दुर्दैवच म्हणायचे. या प्रश्नाकडे दुर्लक्ष केल्यामुळे होणारे दुष्परिणाम लक्षात घेतले तर आज आम्ही दुर्लक्ष केल्यामुळे फार जबर किंमत मोजत आहोत असेच म्हणावे लागेल.

अलीकडे इंधन टंचाईमुळे आणि कायदेशीर व बेकायदेशीर जंगलतोडीमुळे हिमालयाकडील गढवाल उत्तर कर्नाटक व राजस्थान यांच्या डोंगराळ भागातील, लोक मैदानी भागाकडे मोठ्या प्रमाणावर स्थलांतरित होत आहेत. मध्य भारतातील बस्तारच्या प्रदेशात तर आदिवासी लोक लाकूड-फाटा गोळा करणे कठीण झाल्यामुळे जंगल अधिकारी व कंत्राटदार यांच्या विरुद्ध प्रस्ने परजून उभे राहिले आहेत.

गरीबीचा अर्थ अन्न घेण्याची कमी शक्ती असाही लावला जातो. पण भारतात तर बहुसंख्य लोकांवाधत उष्माक तूट (कॅलरी गॅप) मोठ्या प्रमाणावर आढळते. ही तूट असण्याला त्यांची क्रयशक्ती कारणीभूत असली

तरी अन्न शिजविण्यासाठी लागणाऱ्या इंधनाचा अभाव हेही एक महत्वाचे कारण आहे. पुष्कळशा कुटुंबांना अन्नासाठी आपल्या उत्पन्नातून ३० टक्के खर्च इंधनावर करावा लागतो. जळाऊ लाकडाच्या किंमती सतत वाढत आहेत. अशा परिस्थितीत गरीब लोकांना लाकूड-फाटा, काटक्या, वाळलेली पाने, शेण इत्यादी गोळा करण्यासाठी दररोज २ ते ३ तास घालवावे लागतात. आणि साधारणपणे ५ किलोमीटरपर्यंत हिडावे लागते जेव्हा अशा प्रकारे मानवी शक्ती उत्पादक कार्यासाठी न वापरली जाता केवळ अस्ति-त्वाच्या दृष्टीने पिण्याचे पाणी आणणे आणि अन्न शिजविण्यासाठी इंधन गोळा करणे यासाठीच मोठ्या प्रमाणावर खर्च होते तेव्हा कोठे या गरिबीचे दूरगामी परिणाम लक्षात येतात.

जमिनीची शीज

इंधन लाकडाच्या टंचाईमुळे व महागाईमुळे ग्रामीण उत्पादकावरच नव्हे, तर कृषी उत्पादकांवरमुद्दा विपरीत परिणाम झाले आहेत. ग्रामीण लोक जळाऊ लाकडाऐवजी शेण व पिकांच्या अवशिष्ट भागांचा भरपूर वापर करीत असल्यामुळे जमिनीला चांगले सेंद्रिय खत मिळणे कठीण झाले आहे. नुसत्या शेणाचा इंधन म्हणून वापर होत असल्यामुळे जंगला दरवर्षी २ कोटी घान्योत्पादनास मुकावे लागत आहे.

अफाट जंगलतोडीमुळे जमिनीची शीज सपाटचाने होत आहे. परिणामी नद्या, तलाव व कालवे यांत गाळ साठत असून तो वाया जात आहे. जंगलतोडीमुळे पर्जन्यमान अत्यंत लहरी बनले असून कधी दुष्काळ तर कधी अचानक येणाऱ्या महापूराच्या आपत्तीला तोंड द्यावे लागत आहे. गेल्या दशकात भारता-मध्ये दरवर्षी सरासरी ८० लाख हेक्टर जमिनीला महापूराचा तडाखा बसला. एवढेच नव्हे तर, जंगल-तोडीचा परिणाम म्हणून प्राणिज व वनस्पतीज अवशिष्टांच्या ज्वलनामुळे निर्माण होणारा जादा कार्बन डायऑक्साईड शोषून घेण्याची पृथ्वीची क्षमता घटत आहे.

तातडीचे उपाय

मानवी अस्तित्वाला धोक्यात आणणाऱ्या या भयावह संकटाला दूर करण्यासाठी, निदान त्याची मळ कमी करण्यासाठी पुढील तातडीचे उपाय अवमलात आणणे फायद्याचे ठरेल:-

(१) जळाऊ लाकडाची इंधनक्षमता ही त्यातील ओलसरपणा व दमटपणावर अवलंबून असते. सुक्या-धरोद्वर ओले जळत असले तरी त्यापासून फक्त ८ ते ११ टक्केच उपयुक्त उर्जा मिळते व धुरामुळे हवेतील प्रदूषण वाढते ते वेगळेच. म्हणून ग्रामीण भागात जळाऊ लाकूड, शेतीक्षेत्रातील अवशिष्ट कमी खर्चात वाळविण्याची सोय उपलब्ध असली पाहिजे. तसेच त्यांच्या कोळशाच्या विटा, गोळे वा चकत्या यांमध्ये रूपांतर करून त्यांची उपलब्धता अधिकाधिक वाढविली पाहिजे.

(२) जैव-समूहापासून (बायोगॅस) अधिकाधिक उर्जा मिळविण्यासाठी बायोगॅसची निमिती मोठ्या प्रमाणावर केली पाहिजे. सर्व जैव-समूहाचा गॅससाठी वापर केला तर देशात ७ हजार कोटी घनमीटर गॅस मिळू शकेल. ही उर्जा २६ कोटी टन इंधन लाकडाइतकी आहे. गोबर गॅसपेक्षा बायोगॅस निमिती हीच अधिक इष्ट आहे.

(३) आता यापुढे इंधनाचा प्रश्न सोडविण्यासाठी वैयक्तिक प्रयत्नाऐवजी सामूहिक प्रयत्न होणे आवश्यक आहेत. इंधनातील ओलकमी करणे, पारंपारिक इंधनाचे धूरविरहित ज्वलन व योग्य इंधनात रूपांतर करणे, गॅसनिमिती यांसाठी आधिकदृष्ट्या सामूहिक प्रयत्नच फायदेशीर ठरतील.

(४) त्याचप्रमाणे उर्जादायी लागवडीवर व सामाजिक धनीकरणावर भर देणे महत्वाचे आहे. शेतीच्या लागवडीद्वारे दरवर्षी १५ लाख हेक्टर जमिनीवर उर्जादायी लागवड केल्याने इंधनाचा प्रश्न बराच सुटू शकेल. त्यासाठी प्रत्येक शेतकऱ्याने त्याच्या शेतजमिनीपैकी १० ते १५ टक्के जमिन ही उर्जादायी लागवडीकरीता वापरली पाहिजे. पांच वर्षात भराभर वाढणाऱ्या २० प्रकारच्या वृक्ष-वनस्पतींच्या जातींचा उपयोग उर्जादायी लागवडीसाठी करता येईल.

(५) सामाजिक धनीकरणाच्या यशासाठी लोकांचा विश्वास व सहभाग महत्वाचा आहे. गुजरा-

तच्या धर्तीवर सामूहिक प्रयत्नांच्या आधारे उपलब्ध असलेल्या खाजगी वा सरकारी, सार्वजनिक जमिनीवर विविध जातीची रोपे लावली गेली पाहिजेत. देशात यासाठी पडीक जमीन, उध्वस्त जंगलक्षेत्रे, रस्ते, रेल्वे, कालवे यांच्या काठची जमीन इत्यादी स्वरूपात २ कोटी हेक्टर क्षेत्र उपलब्ध आहे.

(६) इंधन प्रकारांची उर्जाक्षमता वाढविण्यासाठी विनधूराचा चुल्हा, योग्य गॅस धर्तरे, ग्रेगडी या साधनांचा वापर केला पाहिजे. दिल्लीच्या भारतीय तंत्रशास्त्र संस्थेने विविध नमुन्यांची चाचणी घेऊन गरिबालाही वापरता येईल, असा चुल्हा शोधून काढला आहे त्याचा प्रसार जाला पाहिजे.

सामाजिक जाणीव

(७) इंधनाबाबत सामाजिक जाणीव निर्माण झाल्याशिवाय इंधन-टंचाईला तोंड देता येणार नाही. 'चिपको' आंदोलनासारख्या सामाजिक चळवळी वनस्पतींच्या संरक्षणासाठी पुढे आल्या पाहिजेत.

(८) उर्जानिमिती व पुरवठा यांच्या प्रयत्नांत शासनाने किमतीचा प्रश्न लक्षात घेऊन रास्त किमती वा दर ठरविणे आणि पुरेशी आर्थिक मदत देणे ही जबाबदारी अवश्य उचलली पाहिजे.

व्यथा

जड शब्द मनाचे
दाढलेल्या हृदयातुनि
कागदावर उतरवू कसे ।
तुझ्या आधी कागदाला
विनवूनी विनवूनि
सांग मी सांगू कसे ।
शंका पोखरते मनाला
अथांग या माझ्या भावना
कधीतरी तुला कळतील का ।
आकारहीन शब्द माझे
मनातल्या मनात कधी
कागदाआधी तु जाणशील का ।

—मुरली नारखेडे

द्वितीय वर्ष (स्थापत्य)

कायापूर

मुनील सा. डाके

B. E. (Civil)

चतुर्थ वर्ष (स्थापत्य)

कायापूर नावाचे आठपाट नगर होते. त्या नगरावर जिवाजी नावाचा राजा राज्य करीत होता.

कायापूर नगराच्या सर्व हालचालीवर जिवाजी स्वतः नियंत्रण ठेवीत असे. राज्याचा कारभार करण्यासाठी त्याने मनाजी नावाच्या प्रधानाची नेमणूक केली, राज्याच्या सर्व इच्छा आकांक्षा तो पार पाडीत असे.

या नगराची राजधानी होती माथेरान. सर्व सूत्रे येथूनच हलविली जात. जिवाजी मोठा कर्तबगार राजा त्याने आपल्या नगराची चांगली भरभराट केली होती.

कानपूर या ठिकाणी दोन ध्वनिक्षेपण केंद्रे उभारली होती. कुठे काही कमी जास्त पडसाद उमटले तर त्याची वर्दी प्रथम कानपूरला येत असे. तदनंतर कानपूरचे संदेशवाहक ती वर्दी माथेरान या राजधानीच्या ठिकाणी नेऊन पोहोचवित. तेथील मंत्रिमहोदय मेंदूराव या सभापतीच्या अधिपत्याखाली त्यावर साधकवाधक चर्चा करून आपला निर्णय जिवाजी राजाला कळवित. जिवाजीच्या संमतीने आणि सहीने ठराव पास केला जात असे.

नागपुरला एक पवन चक्की होती. कायापूरचे सर्व कारखाने याच चक्कीवर चालविले जात असत.

नयनगाव खुर्द आणि नयनगाव बुद्रुक नावाची दोन छोटीशी पण रमणीय खेडी होती. पण खेडी जरी लहान होती. तरी त्यांचे अनन्यसाधारण महत्त्व होते. कारण तिथे विजनिमिती केली जाई प्रकाशपुरवठा करण्याचे

अमूल्य काम ह्या गावातून चाले.

वदनगाव म्हणजे कायापूर नगराचे मुख्य पुरवठा केंद्र त्याच्याच जिवावर सर्व नगर चैनीची पुंगी वाजवत होते. पण जिवाजी मोठे बिलंदर ! आपल्या नगराला स्वच्छ नी खरपुस पुरवठा होतो कि नाही याची छाननी करण्यासाठी जिमलीवाई नावाच्या पारिचारीकेची नेमणूक केली. अभ्रचर्वणार्थ "दंत-बत्तिसी" नावाचे मंडळ नेमले होते. अन्नरस पुरविणारी पचनसंस्था होती.

हातपाय नावाचा तत्पर, कार्यक्षम पण आज्ञाधारक सेवकवर्ग लाभल्याने कायानगर अतिशय सुखी होते. इतर सेवक वर्गाप्रमाणे कायानगरातील नोकर कधी संपावर जात नसत. मात्र नगरात वेकारीला मुळीच वाव नव्हता सर्वांना कामात गुंतविले होते.

पण उत्कर्षाचा कळस म्हणजे नाशाची सुरवात या म्हणीप्रमाणे कायानगराचा कायापालट झाला. नगरद्रोही लोकांची संख्या वाढू लागली.

कानपूरची श्रवणस्थळे बंद पडली. नयनगावात दुही माजून नयनगाव खुर्दचा विद्युत कारखाना बंद झाला वदनगावात तर बेबंदशाही सुरू झाली. दंतमंडळातील अनेक सभासदांनी राजीनामे दिले. जिमलीवाईच्या कामात कसूर होऊ लागली.

प्रत्यक्ष माथेरानात तर तीव्र स्थिती. सभापती मेंदूराव यांची मतीच भ्रष्ट झाली.

मनाजी प्रधान लोकशाहीवादी त्याने तर लगेच कारभारातील आपले अंग काढून घेतले.

आपल्या कायापूरची दुःस्थिती बघून जिवाजी राजा दुःखी झाला. ज्या नगरात सुवर्णकाळ उपभोगला. त्या नगराची धूलधाण उवड्या नेत्रानी न पाहिलेली थरी. असे ठरवून त्याने कायानगर सोडले ! एके रात्री नकळत नाहीसा झाला !

राज्याचा आधार गेलेला बघून शत्रूंनी कायापूरचा ताबा घेतला आणि या टुमदार शहराचा अंत झाला.

“ झुंज ”

राजेश रा. सोमवंशी
T. E. (Civil)

आजवर आपल्यावर अनेक थरारक प्रसंग आले असतील. हो अगदी जीवघेणे देखील असतील ते ! कारण अजून जरी ते भूतकाळातील प्रसंग आठवले तरी अंगावर सरकत काटा उभा राहिल्याशिवाय राहत नाही. त्या आठवणीने आपले मन त्यावेळच्या प्रसंगा-वधानाची किंवा आपण दाखवलेल्या शौर्याची पुन्हा आठवण करून देते. आता असे प्रसंग वारंवार येत नाहीत. कधीतरी अनपेक्षितपणे आपल्याला त्यांना सामोरे जावे लागते घेर्यावान माणसेच त्या प्रसंगातून सहीसलामत सुटतात तर मनाने कमकुवत असलेली किंवा नशीवाची साथ नसलेली माणसे त्या प्रसंगाचा धळी ठरतात !

असाच एक मला माहीत असलेला विलक्षण थरारक प्रसंग आज मी तुम्हाला सांगणार आहे. अर्थात् हा सत्य-कटू अनुभव आलाय तो अल्जेरीयातील एका हवाईदलातील सैनिकावर आणि ही घटना घडली १९५८ सालच्या ऑक्टोबर महिन्यामध्ये !

अल्जेरीयाच्या बोंफरीक नावाच्या लष्करी विमान-तळावर छत्रीधारी सैनिकांना विमानातून उड्या मारायचं शिक्षण दिलं जात होतं. अशाच एका सैनिक बाहेर विमानात सार्जंट पिन्टोच्या हाताखाली काही छत्रीधारी सैनिक पटापट आत गिरले. काही सेकंदातच कंट्रोल टॉवरनं उडण्याचा संदेश दिला आणि विमानाने आकाशात झेप घेतली. हळूहळू विमान जास्तीत जास्त उंची गाठत होते. काही ठराविक उंचीवर म्हणजे जवळ जवळ तेरा हजार फुटावर विमान येताच सैनिकांच्या कढायतीनां सुरवात झाली. दुसऱ्याच क्षणी लाल धुती लागली आणि एका मागून एक असे प्रत्येकजण छत्रीधारी सैनिक बाहेर उड्या मारून, हवेच्या प्रवाहा बरोबर वाहून अदृश्य होऊ लागले. ह्यात विशेष

असे काही नव्हत कारण सैनिकांच्या जीवनातील ही नेहमीच घडणारी गोष्ट होती.

पण... चार क्रमांकाच्या सैनिकांच्या हातून एक छोटीशी चूक झाली. ह्या सैनिकाच नांव होत 'माईन.' त्याने विमानातून अशी उडी मारली की, त्याच्या छत्रीत हवा भरून ती उडण्यापूर्वीच तीची दोरी विमानाच्या शेपटीकडील भागात अडकली. आणि परिणामी ताशी १४० मील गतीने जाणाऱ्या त्या विमानाला तो अवघ्या वीस फुटावर लटकत राहीला ! !

हे विलक्षण दृश्य पाहून सार्जंट पिन्टो चमकला. त्यानं तत्काळ कप्तानाला खबर दिली. कप्तानाने मग आपलं सर्व कौशल्य पणाला लावून विमान उलट-मुलट करून अडकलेली पॅराशूटची दोरी सोडण्याचा प्रयत्न केला. पण तो निष्फळ ठरला !

आता कप्तान विचार करू लागला की जर विमान खाली उतरवण्याचा प्रयत्न केला, तर त्यालाच अडकलेला आणि त्याच्या खाली वीस फुटांवर लोंबत असलेला माईन जमीनीवर आपटून मरायचा आणि तसं न करायचं ठरवलं तर माईनला त्या लोंबकळत्या स्थितीत किती वेळ ठेवायचा ? खरोखरीच कप्तान आता पेचात पडला होता.

शेवटी कप्तानानं बोंफरीकच्या विमानतळाला संदेश दिला की त्याच्या विमानाखाली लटकत असलेल्या माईनला सोडवण्याकरीता एक हेलिकॉप्टर पाठवावं ! हा सारा वेळ जाईपर्यंत वर आकाशात पंधराशे फूट उंचीवर विमानाला टांगलेल्या अवस्थेत असलेला माईन एका विचित्र मानसिक अवस्थेतून जात होता. अशा अवस्थेत माईन तरगत असतानाच त्याच्याखाली हजार फुटावर एक हेलिकॉप्टर धिरट्या घालताना दिसलं. हेलिकॉप्टर दिसताच कप्तानानं ताबडतोब विमान खाली आणले अर्थात् माईन मुद्धा तेवढाच खाली आला होता. आणि मग पाचशे फूट उंचीवरून दोन्ही विमाने समांतर चालू लागली.

पुढे एका इंग्रजी चित्रपटात गोबेल अश्या दृश्याला सुरवात झाली. माईनच्या दिशेने त्या हेलिकॉप्टर मधून

एक शिडी फेकण्यात आली, म्हणजे माईन त्या शिडीच्या तरी आधारे हेलिकॉप्टर पर्यंत सुखरूप पोहचू शकेल पण माईनला नशीबाने त्यावेळी साथ न देण्याचे कदाचित ठरवले असेल म्हणूनच की काय ती शिडी बाऱ्याच्या प्रचंड वेगाचा मारा सहन करू शकली नाही. आणि काही अवधीतच ती शिडी कोलमडून गेली. विचारा माईन मात्र लटकलेल्या अवस्थेत हे दृश्य डोळे फाडून बघत होता. ह्या गोष्टी इतक्या झटापट होत होत्या की कमीत कमी वेळात माईनची सुटका करायची होती. कारण तशा अवस्थेत एखादा मनुष्य जास्त वेळ तग धरूच शकत नाही. पण न जाणो त्यावेळी माईनचे खंबीर मन, अत्यंत धैर्याने मृत्यूला चकवत होते.

मग मात्र सारे उपाय हरल्यानंतर माईनला जास्तीत जास्त सुखरूप उतरून घेण्यासाठी विमानतळावर जय्यत तयारी ठेवण्यात आली. अॅम्बुलन्सही मार्ग-वण्यात आली. प्रत्येक जण माईनसाठी परमेश्वराकडे प्रार्थना करीत होता. एव्हाना विमानतळावर जवळचे स्वरूप आले होते. प्रत्येकाचा चिंताग्रस्त चेहरा माईन विषयी वाटणाऱ्या करुणतेची साक्ष पटवीत होता. एवढ्यात सगळ्याचे डोळे भीतीने अधिकच विस्फारले कारण आता तर विमान चक्क खाली येत होतं. कप्तान हळूहळू विमान, विमानतळावर उतरवण्यासाठी खाली आणत होता. बापरे ! म्हणजे शेवटी माईनचा बळी जाणार तर ! सगळे अत्यंत दयेने आणि तेवढ्याच व्याकुळतेने ते दृश्य कसेधसे बघण्याचा प्रयत्न करीत होते. काहीनी तर माईनला शेवटचा नमस्कार देखील करून घेतला. स्त्रियांनी तर मानाच खाली घातल्या होत्या...

अखेर विमान प्रचंड पण कर्करु आवज करीत विमानतळाच्या पट्ट्यावर धावू लागले. विचारा माईन, विमानाचा धावपट्टीवर स्पर्श व्हायच्या अगोदरच खाली जमीनीवर आपटला होता व नंतर तर विमानाच्या वेगा बरोबर जमीनीवरून फरफटला जाऊ लागला, ते अगदी विमान थांबितो पर्यंत ! माईन पायापासून तो डोक्यापर्यंत संपूर्ण सोलला गेला होता. लाल रक्ताने अक्षरशः व्हाऊन निघाला होता. पण जगण्याची जिद्द अजूनही त्याने कायम ठेवली होती. क्षणार्धात त्याला अॅम्बुलन्स मध्ये टाकून इस्पितळात पोहचवण्यात आले. अखेर माईनने मृत्यूवर विजय मिळविला होता. कारण सहा महिन्याने तो पूर्वी-

सारखाच ठण्ठणीत होऊन पुन्हा नवीन धाडस करण्यास सिद्ध झाला. आता तर त्याचा आत्मविश्वास अधिकच द्विगुणीत झाला होता, कारण त्या विलक्षण संकटात त्याने जे असाधारण धैर्य दाखवले होते ते मात्र खरोखरच असामान्य होतं.



१. चाकोरी

खोलवर रहाणाऱ्या माशांना
अवकाश ठाऊकच नसते
पाण्यावर उडणाऱ्या मासळ्यांना
पाण्याच्या खोलीची जाण नसते ॥ १ ॥
राजअश्रित ऐवशी प्राण्यांना
स्वच्छंदी जीवन मुकावे लागते
निसर्ग स्वातंत्र्य भोगणाऱ्यांना
पोटासाठी भटकावे लागते ॥ २ ॥
जीवन मर्यादा खूप घेताना
ते अधिक संकुचित करतात
त्या झुगारण्याचा यत्न करताना
फारच थोडे यशस्वी होतात ॥ ३ ॥

२. शृंगार

गोरा गोरा रंग तरी
पांढसने माखून घेतेस
गुलाबी लाजरे ओठ तरी
लिप्स्टिकने रोज रंगवतेस ॥ १ ॥
काळेभोर पाणीदार डोळे
काजळाने काळे करतेस
गालात हुसणाऱ्या खळ्यांना
रजने का भडक करतेस ? ॥ २ ॥
निसर्गतः लोभस सौंदर्यास
कृत्रिमतेची जाक देतेस
'अति तेथे माती' विसरून
'शृंगाराची' मजा घालवतेस ॥ ३ ॥

मुनिल य. वेंशंपायन
(बी. ई. सिव्हिल)

मन असे भरकटते

उडतो पतंग आकाशी
असतो एकच धागा त्याला
पण कधी कधी पेच लागतो
तुटतो धागा पतंग जातो
लाल कमानीवर क्षितीजाच्या अन्-भरकटतो.
तसेच मन हे वेडे, उडते स्वप्नांच्या इंद्रधनुत
अनेक धागे भावनांचे, परि ठेवती त्याला तावूत,
दोन मने कधि जुळती, इंद्रधनुष्यामध्ये,
गुंफुनि जाती धागे आणिक
साथ कराया सोबत मिळते,
दोन घडीची सोबत, पण
ती ही अकाली कधी संपते,
तुटती गुंफिलेले धागे,
वेडं मन मग भरकटते
भरकटलेले मन मग जाते, वर...वर...
काळचा गर्द पोकळीकडे....

—कु. स्मिता संख्ये
द्वितीय वर्ष (स्थापत्य)



: तुलना :

पाप आणि पुण्य भिन्न असते
समानतेने वाटणी होते.
सत्य-असत्याची जोडणी करता
असत्याची बाजू आता
संघर्ष-संघर्षाशी वाद घालता
वाढत जाते विषमता
जीवन मृत्यूशी झुंजता झुंजता
जाणवते वेहाची असमर्थता
उरते व्यथा एकच आता
जाणवते ति मनुष्य मात्रा.

—कु. स्मिता संख्ये
द्वितीय वर्ष (स्थापत्य)

— ओ कलकत्ता —

नाट्याच्या आकाशात 'काचेचा चंद्र' आला,
वास्तवतेचा सुंदर अविष्कार म्हणून डोक्यावर घेतला.
डोक्यावर घेतला म्हणून पडलं एक पाऊल पुढे—
नाट्याच्या आकाशात फिरू लागली 'गिधाडे'.
मराठी नाटक वेडं मन थोडं नाराजच झालं,
तरिही एक 'प्रायोगिक नाटक' म्हणून खपवून घेतलं.
बरं झालं असतं तिथचं अडवलं असतं तर,
जन्मलेच नसते मग 'घासीराम कोतवाल' अन्
'सखाराम वाईडर'.
मराठी प्रेक्षका ! जागा हो आता,
नाही तर रंगभूमीवर लवकरच येईल—
'ओ कलकत्ता !'

—कु. सुहास द. माळी
तृतीय वर्ष (स्थापत्य)

(टीप : 'ओ कलकत्ता' हे अमेरिकेतील एक प्रसिद्ध नाटक आहे).



स्वप्न

वाळूच्या किनाऱ्यासारखेच
कल्पनेचे किल्ले बांधले
त्यात तुला ठेऊन
स्वप्नांची स्वप्ने पाहिली.
आणि,
तेवढ्यात तु आलीस
मनात भरतीची लाट घेऊन
पण,
तु तशीच निघून गेलीस
कल्पनेचे किल्ले उडवून
उध्वस्त करून
आणि माझ्यासाठी फक्त
सोनेरी पाउलखुणा ठेऊन,
अथांग सागरात
दूर.....दूर.....

—मनोज मेहता
द्वितीय वर्ष (स्थापत्य)

क्रांती

मी हातात घेतलीय
एक क्रांतीची मशाल
स्वतःच्या सुखासमाधानावर निखारे ठेवून
प्रज्वलीत करायसाठी
लोकांच्या इच्छा, आकांक्षा
दबून राहिलेल्या संवेदना,
हे अग्नीहोत्रीचं व्रत
स्वयंसिद्ध केलंय
आज जरी माझ्या हातात
असली मशाल तरी खेद नाही
उद्या याच मशालीचं होईल
धगधगतं अग्नीकुंड
आज जरी असलो मी एकाकी
तरी 'उद्या' फार उज्ज्वल आहे
त्या 'उद्या'ची मला प्रतीक्षा आहे.

महेश विश्वनाथ गडकरी
तृतीय वर्ष, (यांत्रिकी)



कधी कधी

दुरुन चेहरा तुझा खुणावतो कधी-कधी
मनातल्या मनात मी शहारतो कधी-कधी
अजून सावली तूझी कधी मला चुकून भेटते
हळूच नांव मी तीला विचारतो कधी कधी
मला न माहिती कसा मलाच मी दुरावलो
मलाच आरशात मी न्याहळतो कधी कधी
चुकून सफलीत नांव काढतो तुझे कुणी
आता मजेत वेदनेत हसतो कधी-कधी
कधीच संपल्या खुणा व्यथा न राहिली नवी
तरी अजून आसवात वाहतो कधी-कधी
आता न राहिली मिठीत वीज पावसातली
व्यथं एकटाच मी थरारतो कधी-कधी
घरास माझीया बघून लोक चालले पुढे
कळे न मी कुणास हाक मारतो कधी-कधी

राजेश रा. सोमवंशी
टी. ई. (सिव्हील)

युनिव्हर्सिटी भेलपुरी हाऊस

या साहेब ! या मालक !
हो ! मीच दुकानाचा चालक
काय म्हणतां, नाव काय ?
शेक्सपिअर म्हणतो नावात काय !
देशात पॉप्युलर आमचा माल
भेळ खाऊन नाव घ्याल !
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नाव तिचं बी. कॉम्.
कसं ओळखलं सांगातर !
त्याखालोखाल एकदम तिखा
बी. एस्. सी. खा नंतर शिका.
एकदम मीठा खाणारे कमी
मग बी. ए. च्या भावात भलतीच तरमी !
थांबा, थांबा, जाऊ नका
आणखी आहेत प्रकार
शेवपुरी घ्या, दही पुरी घ्या
भेळेला जर नकार !
इंजिनिअर स्पेशल शेवपुरी वा
मेडिसिन् स्पेशल दहीपुरी.
आर्किटेक्ट सामोसे, टेक्सटाईल पॅटीस
फार्मसीची पाणीपुरी तरी उतरेल तुमच्या पसंतीस.
वाई साहेबांसाठी कुल्फी म्युझिकची
सर्वांनाच गोडी जी. डी. आर्टक्रीमची !
काय म्हणतां, पसंत नाही ?
कारण काय तर स्वच्छता नाही ?
इतके तोंड वाकडे कसे ?
हा, हा, तुम्ही पुणेभरोसे
गरज नाही फुटा तुम्ही.
मुंबापुरीत फेमस् आम्ही !

कु. वैखरी प्र. लिमये
S.E. (E.)

— ती —

भेटली ती मलाही एकदा
येते जीवनी सकल जना
ठेच लागली जिह्वारी मना
रहा हंठ जपूनी तुम्ही जरा ॥ १ ॥

कराल तिची आराधना कदाचित
किती झुराल हो अंतरी अवचित
देण्यास हुलकावण्या ती पटाईत
मृगजळा पेक्षाही खूप सराईत ॥ २ ॥

स्वर्ग सुखाचा आनंद तिच्या खुषीत
फुलवितो रोमांच एका वृष्टीक्षेपात
स्वप्ने निरर्थक विना तिज संगत
होऊ मोह लुटण्या हो खप गंमत ॥ ३ ॥

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बाटत तिलाही कुणी फसवाव
गैरफायदा घेतात काही जास्त ॥ ४ ॥

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जाता सहवासाच्या धुंदीत हरवून
विसरता कर्तव्य होतो अनर्थ ॥ ५ ॥

निघून गेल्या घटकेसम तिही जाते
लाभते दुसऱ्या म्हणूनी तुम्ही वंचित
वेड्यांचा नका शोधू तिला पारावरी
सापडायची नाही खचितच तशी ॥ ६ ॥

कारण
कारण ती आहे आपली नियती ॥ ७ ॥

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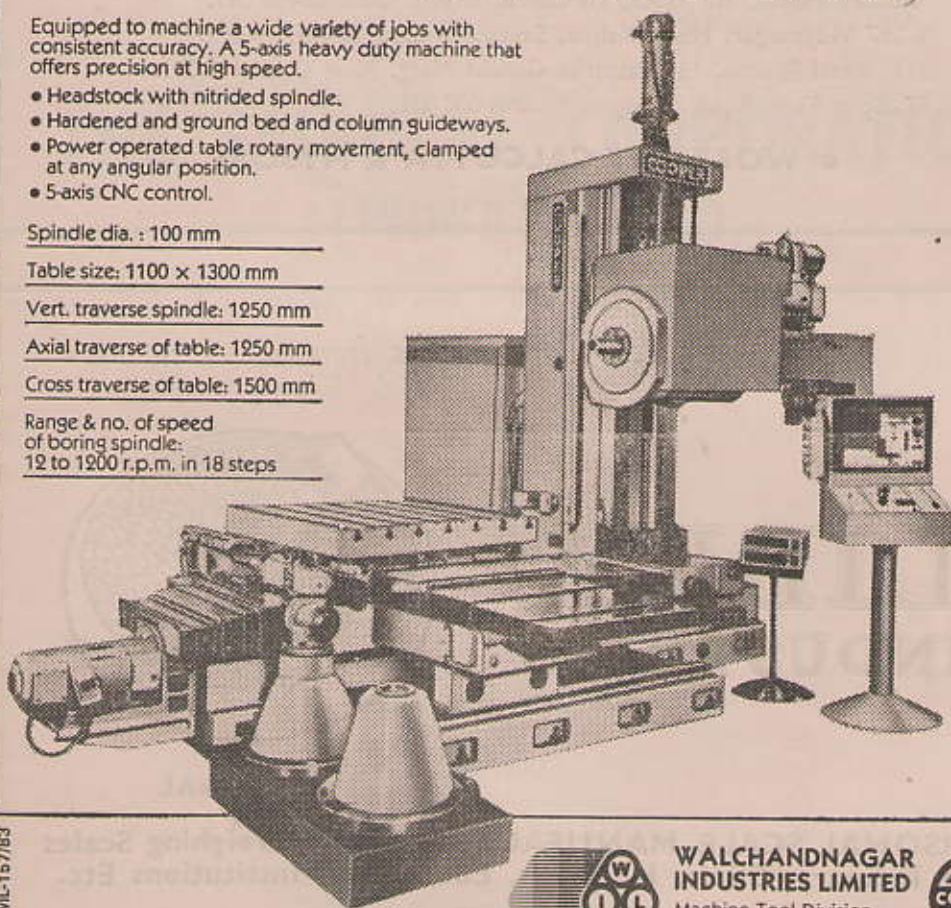
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(अनुष्ठान लेखन प्रतियोगिता
८२-८३ तृतीय पुरस्कार)

मेरी प्रिय कविता एवं उसकी रचना प्रक्रिया

शीतला प्रसाद
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पिछले कुछ वर्षों से युद्ध की आशंका को लेकर कई पत्र-पत्रिकाओं में समाचार छपते आ रहे हैं। इस बीच जब ईराक-ईरान युद्ध अपनी गति और जोर पकड़ लिया तब वैसे समाचारों की सुखियाँ भड़क उठी। बहुधा सभी पत्र-पत्रिकाओं ने वही सब कुछ उगलना शुरू किया यहाँ तक कई प्रतिष्ठित पत्रिकाएँ इस संदर्भ में अपने विशिष्ट अंक भी निकाले !

एक दिन अंधेरी जाते समय, गाड़ी के दरवाजे पर खड़ा मैं प्राकृति के नयनजाल का अवलोकन कर रहा था। कुछही पल पूर्व एक 'युद्ध विशेषांक' पत्रिका पढ़कर आया था फलस्वरूप मेरा मन उद्विग्न था एवं न जाने क्या-क्या विचार आ जा रहे थे। गाड़ी गड़-गड़ाती हुई गुजरती जा रही थी कि हरियाली भरा दृश्य आँखों के सम्मुख आया और पटरी के कुछ ही दूर बाद मुझे एक गड़हे में कमल खिला हुआ दिखाई दिया। मुझे ऐसे लगा असंख्य ज्वालामुखी फूट पड़ी हो। न जाने कैसे शब्द स्वतः उतराने लगे और मेरे मन में एक वाक्य अवतरित हुआ—

"क्या होगा जब
दूर कहीं; कहीं भी झीलों में
कमल न होंगे?"

तभी मेरी एक कविता "आप, हम और वे कहाँ होंगे?" का जन्म हुआ। इसके पूर्व मैंने सोचा भी नहीं था कि कविता लिखूँगा। लेकिन सब कुछ अपने आप इस

तरह घटित हुआ कि शब्द कागज पर फैलते गये। मन में उठते विचारों को कौन रोक सकता है ?

आज कल विज्ञान का सर्वत्र बोलबाला है। लेकिन हमारे अन्वेषणों का आत्मघात की सिद्धता पर मन आशंकित हो उठता है। वे हमें सहस्रों बार सोचने पर मजबूर कर देते हैं कि क्या हम अपने हाथों से अपनी कब्र नहीं खोद रहे हैं ? हिरोशिमा एवं नागासाकी पर हुए बम प्रहार को क्या भुलाया जा सकता है ? न जाने कितने-कितने खतरनाक बम बनते जा रहे हैं। कैसी है यह विभीषिका और ऐसे वैज्ञानिक यह क्यों नहीं सोच रहे हैं कि सारी मनुष्यजाति के साथ ही साथ स्वयं को पतन के रास्ते पर ले जा रहे हैं। कैसी है यह 'अपने-आप को ऊँचा सावित करने की क्रिया' कि सारे ब्रह्मांड को रसाताल में समाने की आशंका को नजर अंदाज किया जा रहा है ? कहीं यह प्रक्रिया ऐसी तो नहीं कि पाव भरने होने के पश्चात् और जल भरने की आशा में उसे उलटकर पेदी में भरने की कोशिश की जा रही हो, और जब उसे पुनः सीधा किया जाय तो दोनों ओर कुछ भी न बचे ? विज्ञान पर हमारी जीत वास्तव में जीत न होकर हमारी हार होगी।

अमेरिकी राष्ट्रपति श्री रीगन द्वारा परमाणु बम बनाने की अनुमति पर बार-बार उँगली उठाई जा सकती है। कहीं उनके शब्दों में मानवहित की परिभाषा सारे मनुष्य जाति की परिभाषा से बिलग तो

नहीं है? ब्रह्मांड को प्राणवत्ता की जिघांसा कहाँ तक उपयुक्त है?

उक्त विचारों से उद्बलित हो मैंने “आप, हम और वे कहाँ होंगे?” नामक कविता लिखी और मेरी यह कविता ऐसे ही जटिल प्रश्नों का उत्तर चाहती है। एककीस पंक्तियों की यह कविता युद्ध के दुष्परिणामों की ओर संकेत करती है। जगत की प्राणवत्ता की विध्वंसता पर मन में टीसे पैदा करती है। इसमें मेरा मन प्राकृति की एक-एक सुन्दरता को स्मरण करता है, सारे जग के लोगों से जो इस सुन्दरता को भोगने में लीन हैं, उनसे प्रश्न करता है—‘आने वाला कल कैसे होगा जब यह सारा सौन्दर्य भीलुप्त हो चुका होगा?’ दिग-दिगन्त विषाक्त हवाओं की कल्पना कर मेरा मान विषाद को गहराई में समा जाता है! सच तो यह भी है, ऐसे अफवाहों के घेरे में प्रतिफल तिल-तिल मरना, एकदम मर जाने से भी मर्मांत है!

कलिंग युद्ध के दृश्य देखकर स्वयं सम्राट अशोक बिह्वलीत हो उठे थे। मृत्यु की स्रोतस्विनी की गजितोमि उनका जीवन अध्याय ही बदल दी। लेकिन आज के युद्ध का दृश्य उस दृश्य से भी हजार गुना बीभत्स होगा। श्वासलेने के लिए हवा ही न होगी, निर्जीव वैसे ही खड़े रहेंगे एवं सजीव एक के बाद एक अंतक को प्राप्त होते जायेंगे। युग पुरुष श्री जवाहर लाल नेहरू ने लिखा है “युद्ध किसी समस्या का अंतिम हल नहीं है। लेकिन ऐसे विचार एक ओर और हमारे अन्वेषण दूसरी ओर दुरंत साधित हो विध्वंस के मार्ग प्रसस्त कर रहे हैं।” ‘नहीं-नहीं... ऐसा मजबूत नहीं ढाना चाहिए’ मेरी कविता चिल्ला चिल्ला कर यही कहती है। इसके प्रत्येक हर्फ मानव-भलाई के लिए कुरखानी देने के लिए तैयार खड़े हैं। यह कविता उद्देश्य के उस रास्ते पर चलती है जिस रास्ते पर आत्मोपम्य जैसी भावना के पुद्गल खिलते हैं तथा जिसे जीवन्तता की चाहत से सींचा जाता है!

“पुरुष” सारा जग प्राकृति सौन्दर्य से भरा पड़ा है। उनकी प्राणवत्ता में अपनी खुशियाँ निहित हैं। मेरी

कविता संकेत करती है—जब फूल न होंगे, पक्षी न होंगे, प्रेमियों की खिलखिलाहट, हरियाली भी नहीं होगी तब जीवन कैसा होगा? काश मेरी यह कविता उन महाव्यक्तियों के सोच की सीमा में प्रवेश कर पाती जो खुद लाने के लिए कमर कस कर खड़े हुए हैं।



आप, हम और वे कहाँ होंगे?

क्या होगा जब
दूर कहीं; कहीं भी शीलों में
कमल न होंगे?

खुद शीलों भी नहीं होंगी
धर्मस्थलों में फलों की बजाय
वर्षा होगी अंगारों की,
विषाक्त हवायें युद्ध करेंगी स्वयं से!

वो पक्षियों का कलख
मृगों की कुलाचं
प्रेमियों की खिलखिलाहट
भ्रमरों की गुंजन
दूर तक कहीं, कहीं भी
हरियाली न होगी,
विषाक्त हवायें युद्ध करेंगी स्वयं से!

बीजारोपण बारूद की
इस आशा में, फल-बम के
मालिक हम स्वयं होंगे, बेर कहाँ
एक तड़प, क्रंदन और हाहाकार की
आवाजें गूँजेगी चारों ओर
आप, हम और वे कहाँ होंगे?

जब, विषाक्त हवायें युद्ध करेंगी स्वयं से।

शीतलाप्रसाद
वी. ई. (सिन्हील)

पक्षी न होंगे,
ही होगी तो
उन महान
नी जो रुदन

होंगे?

ने!

ने!

स्वयं से ।

प्रसाद

(सिन्हील)

प्रेम

कु. आरती पो. अगरवाल

एफ. ई. (सिन्हील)

प्रेम, यह दो अक्षरों के सामंजस्य से बना शब्द ।
कितना कोमल, कितना मधुर । यह मनुष्य के दिल की
घड़कन है उसके जीवन की अभिलाषा है । प्रेम के बिना
जीवन नीरस है, सूना है । इस के अंदर वह शक्ति है,
जो कलम और तलवार में नहीं है । प्रेम से तो पत्थर
भी पिघल जाता है, फिर आदमी की क्या विसात !

नीरज के अनुसार भी,

हे प्यार जहाँ तलवार वहाँ झुक जाती है,
पतवार प्रेम की छू जाये जिस कशती को
मैंसधार, पार उसको खुद पहुँचा जाती है
जिसके अधरों पर गीत प्रेम का जीवित है
वह हंसकर तूफानों को गोद खिलाता है. . . .

प्रेम किसीसे भी हो सकता है । वह इंसान, पशु
पक्षी से ताल्लुक रख सकता है । जिस किसी से भी प्रेम
हो जाता है, उसे देखने के लिए दिल अधीर हो उठता है ।
प्रेम, हमारे दिल को भावनाओं के उन भँवर में उलझा
देता है, जिससे छुटकारा पाने के लिए दिल तैयार नहीं
होता । प्रेम वह दिव्य वस्तु है जिससे दिल रिझता है
जो दिल की अनुभूति है ।

इतिहास में हमें अनेक प्रेम गाथायें पढ़ने को मिलती
हैं उन प्रेम गाथायें को पढ़ने से ऐसा लगता है जैसे आज
भी वे तस्वीरें सजीव हो कर अपनी कहानी हमें सुना
रही हों । उन अमरप्रेम की कहानियाँ पढ़ मन धाम-वाग
हो उठता है । भगवान राम, माँ कैंकेयी से इतना प्रेम
करते थे कि जब उन्हें उनके द्वारा चौदह वर्ष वनवास
जाने के लिए कहा गया, तो उन्होंने उसे बिना द्वेष के
स्वीकार लिया । राजा हर्मायू सिर्फ एक राखी के भोजने

पर राणी कर्मवती की रक्षा के लिए रण में उतर पड़े।
कर्ण का मित्रप्रेम आज संसार के हर व्यक्ति के लिए
प्रेरणात्मक उदाहरण बन गया है ।

लेकिन आजकल प्रेम की वह भावना लुप्त हो रही
है । यह कहना की हम किसीसे प्रेम करते हैं एक फैशन
बन गया है । इसका मुख्य कारण वे फिल्में हैं जिनमें
प्रेम को अनमने ढँग से प्रस्तुत किया जाता है । इनमें
भावनाओं को कम और शारीरिक सौंदर्य को अधिक
महत्ता दी जाती है । इन फिल्मों की शुरूआत निर्देशक,
नायक-नायिका के ' 'Love at first sight', याने
कि 'पहली मुलाकात में प्यार' से करते हैं । बीच में
टूजेडी दिखाकर, अनेक दर्दनाक प्रसंगों को मकड़ी के
जाले की तरह बुनकर अंत में नायक-नायिका का मिलन
करवा देते हैं । ये मनोविज्ञान के अच्छे डाक्टर होते हैं ।
इस मकड़ी के जाल में बेचारी युवा पीढ़ी ही शिकार हो
जाती है । उन्हें ये फिल्में भूल-भूलैया में डाल देती हैं
और वे इस धतावटी जीवन के तश्वर चुंगुल में फँस
अपनी राह से भटक जाते हैं । उनका यह भ्रम जध
उतरता है, तब तक वे उस चोटी पर पहुँच जाते हैं,
जिसकी ढलान देख उनके पाँव धज्जड़ हो जाते हैं । उनके
पैरों तले जमीन खिसक जाती है । वे अपने आप को
पंगु महसूस करने लगते हैं । तब वे यह गीत गाते
दिखाई पड़ते हैं—

अजीब दास्ता है यह

कहाँ शुरू कहाँ खतम

वे राहें थी कौन सी

जो दे गयीं झोली भर गम. . .

इसलिए प्रेम दिल और आत्मा से सींचा वह पौधा है जिसके फूल, लगने पर, सारी दुनिया को महका देते हैं। ये वो महक है जिसकी हँसना को जीवन के सफर में आवश्यकता पड़ती है। प्रेम के बिना इस समुद्र की तरह, विशालकाय संसार में अपनी जीवन रूपी नैया खेना नामुमकिन सा जान पड़ता है। हर इंसान को बचपन में पूज्यजनों लड़कपन में प्रियजनों और बुढ़ापे में चिरंजीवों के प्रेम की प्यास रहती है। सच्चा प्रेम ही हर दिल को ज़रूरत है। सच्चा प्रेम डूबती नाव को भी किनारे पर

लाने में समर्थ होता है। जिस व्यक्ति के जीवन में इन प्रेम के फूलों का उपवन नहीं महकता, वह काँच के टुकड़ों की तरह बिखर जाता है और शाम होने से पहले ही कुम्हला जाता है।

इस प्रकार हम कह सकते हैं कि संसार प्रेम के ही घरातल पर टिका हुआ है। युग बदलते हैं, संसार का स्वरूप बदल जाता है, इतिहास बदल सकता है, परंतु प्रेम, संसार के हर परिवर्तन से परे ज्यों का त्यों ही है। वह युगों से अमर है और अमर रहेगा। जय प्रेम !



प्राकृति और मैं

हे हंसीवादी खफा न होता
एक कविता चुराने आया हूँ।
आपकी मनोरमता से
छुपे विवाद को बिखरित करने आया हूँ।
हे निशीथ आओ आओ न !
बनावटी उजालों में रहकर अब चुका हूँ
गर्भित कलुषता को
आपमें समाने आया हूँ।
हे अशनि चमको, तेज और तेज
द्विभ्रंमित हुआ हूँ मैं
आपके आलोक से
मंजिल को तलाश ने आया हूँ।
देखो न ! मेरे संबधों
का जग सूखा पड़ा है।
यादों की बाढ़ में डूबता मैं
मुझे सम्भालो प्राकृति शुकून पाने आया हूँ !

शंकर बोंडे
बी. ई. (सिविल)

जनम भर !

मन कहता है !
लिख दूँ आपका नाम
नीलाम्बर पर; निहारता रहूँ
जनम भर !
जनम भर !!
भरता रहूँ रंग
आपकी तस्वीर पर
मन कहता है !
हवाओं से कह दूँ, परिमल
आपकी ही लाये, पीता रहूँ
जनम भर !
जनम भर !!
कहता रहूँ फूलों से
खिलें वे आपके लिए आपके लिए
मन कहता है !

शीतला प्रसाद
चतुर्थ वर्ष (सिविल)

इन्साफ

विजय गाला
S. E. (civil)

बीती हुई रात का समय, डॉक्टर के दरवाजे पर कोई जोर से आवाज दे रहा है !

आदमी:-डॉक्टर साहब... डॉक्टर साहब...

(अंदर से कोई भी जवाब नहीं मिल रहा)।

आदमी:-(थोड़ी देर बाद) डॉक्टर साहब... डॉक्टर साहब... (कुछ देर बाद दरवाजा खोलता है। नींद भरी आँखों से डॉक्टर बाहर आया)।

आदमी:-डॉक्टर साहब जल्दी चलिए न, मेरी माँ बहुत बीमार है।

डॉक्टर:- (उत्पाकीयां खाते) अरे यह भी कोई वक्त है क्या किसीको बुलाने का ?

आदमी:-मेरी माँ बहुत ही बीमार है, अगर आप नहीं चले तो...

डॉक्टर:- (अकड़कर) फीस के पैसे लाये हो क्या ? और इस समय तो डबल पैसे होंगे।

(आदमी का चेहरा छोटा हो जाता है)

आदमी:-डॉक्टर साहब मैं एक बहुत ही गरीब आदमी हूँ। (अपनी फटी हुई झनियाँ बँटाकर) यह देखिए न पहनने के लिए कपड़े भी नहीं हैं, और तीन दिन से कुछ खाया तक नहीं भला मैं आपकी फीस कैसे दे सकता हूँ।

डॉक्टर:- (क्रोधित होकर) एक तो आधा रात को जगाते हो और उपर से कहते हो कि पैसे नहीं हैं, न

जाने कैसे लोगोंसे ? ...

आदमी:- (डॉक्टर को बीच में ही काटकर) डॉक्टर साहब मैं आपको यकीन दिलाता हूँ कुछ भी काम मिलते ही मैं आपके पैसे लौटा दूँगा लेकिन इस वक्त मेरी माँ मर रही है कृपया उसे बचा दीजिए। मैं आपका यह एहसान ज़िंदगी भर नहीं भूलूँगा।

डॉक्टर:- अरे ऐसी तो कितनी बुद्धियाँ मरती हैं, क्या उन सबका हमने ठेका ले रखा है ?

आदमी:- (जोर से चिल्ला कर) डॉ... कट... र... काका ! तुम्हारी भी तो कोई माँ होगी, क्या बिगर माँ के ही पैदा हुए हो ? आस्मान से टपक पड़ ही क्या ?

सिर्फ कागज के टुकड़ों को अपनी गले लगानेवाले तू क्या जाने माँ की ममता क्या होती है। अरे बाह रे, उपरवाले इन्सान को लूटनेवाले डाकू कहलाते हैं, और इन्सानीयत का खून करनेवाले इस जैसे फरिस्ते कहलाती है। (जाता है)।

(२)

(किसी के रवाँसने की आवाज आ रही है और साथ में दरवाजा खुलने की आवाज आती है)।

बुढ़ी:- (खाँसते) कौन बेटा मोहन ? आ गया। डॉक्टर साहब आप भी आये, बैठिये न। देखो न बेचारा कितनी मेहनत करता है मेरे लिए, तीन तीन दिन से

उसने कुछ खाया तक नहीं।... अरे बेटा मोहन...
डॉक्टर साहब... आप क्यों कुछ बोलते नहीं?

मोहन:- (भराई हुई आवाज में) माँ, डॉक्टर साहब नहीं
आये, माँ तन के उजली, मन के मैली मानवता के
बैरोचे लोग क्या जाने किसीकी मजबूरियाँ? क्या
समझे किमत उन आँसुओं की जिसमें किसी गरीब की
आँसु भरी हुई हैं। माँ देख न मैं भी कितना नशीब
हूँ। छोटासा था और धातू चल धसे। गरीबी ने
मेरी एक ही बहन थी उसे मुझसे छीन लिया। घर
घर की ठोकरी खाकर भी तू मुझे पढ़ाती रही। खुद
भूखी रहती और मुझे खिलाती रही और एक मैं हूँ
जो तेरी इस हालत में भी मैं तेरी कुछ मदद नहीं कर
सकता। पर माँ मैं भी क्या करूँ? जगह जगह
भटका पर कुछ काम नहीं मिलता। पर माँ तू डर
नहीं अब मैं चोरी करूँगा, डाके डालूँगा, खून करूँगा,
कुछ भी करूँगा पर तेरा इलाज करवाऊँगा।

(कुछ देर शांत होकर)

माँ तू क्यों कुछ बोलती नहीं? (मुडता है) और
चिल्लाता है... माँ... आ आ...

अरे यह कहाँ का इन्साफ है? बाहू रे मेरी किस्मत!
माँ कि आज तुझ पर ओढ़नी के लिए मेरे पास एक
कफन तक नहीं है।

(थोड़ी देर बाद सहदमें से सम्मलता है, और कुछ
दृढ़ संकल्प से)।

देखा उपरधाले, आज इस चंद कामज के टुकड़ों ने
मुझसे मेरी माँ को छीन लिया। धरसों से चली आ
रही मजबूरी ने फिर एक बार एक गरीब के मुँह पर
तमाचा मारा...

अब मुझे पैसे चाहिए, सिर्फ पैसे उस पैसों से मैं सारी
जमीन जायदाद खरीद लूँगा। सारे आलम की हिला
दूँगा। उसी पैसे से एक दिन तेरा यह आरुमान खरीद
लूँगा, और उसी पैसे से... और उस ही पैसे से देखना
एक दिन मैं तुझे खरीद लूँगा...



तुम कहाँ ?

मुझे क्या थी खबर
कि मेरे गीत ही रूठ जायेंगे
विवाद में डुवाते हुए मुझे वे
होठों पर ही थम जायेंगे !!
उफ ! आपकी अज्ञलक
हतनी बेताब क्यों करती है ?
गुजरते दिन आप दिन
सच, ये पल बहुत दाहक हैं
जैसे मुरझाये फूलों
का मौसम आया हो !
इन्तजारी के जाम एवं तनहाइयों
के नृत्य आपकी याद और दिलाते हैं ।
बस अथाह आकांक्षायें
उनकी घुटन और स्वप्नों की लाशें
जैसे जीवन आशायें केवल
आशायें और आशाओं के लिए ही हो !
लेकिन ये तिल-तिल
गलना तो निरंतर जारी हैं ।

शीतला प्रसाद

चतुर्थ वर्ष (सिविल)



...और वह मेरा एकाकीपन

वह उषा की किरणों का सुनहलापन,
बीच पर्वतों के, रवि का आगमन
वह कनक-बेला में पंछियों का गमन
वह पुलकित लता और सुमन
वह बुझता तिमिर, बेजलते चिराग
बरसाता दिनेश धरापर अनुराग
वह स्वर-लहरी, वह मधुर शंकार
गूँज रही है सितार, वह राग मल्हार
स्वर्णिम आभा और नभ है उज्ज्वल
लाती है हर्ष, हर दिल में, हर पल

दिनेश उपाध्याय

टी. ई. (विद्युत)

कल रात हिंदी सिसक रही थी ...

कल रात हिंदी सिसक रही थी -
 संध्यावेला उस पर
 आ ढली थी
 उम्र के ढलाव पर
 वह बेबस सी खड़ी थी
 संध्या की बेला से
 उम्र के ढलाव से
 एक नई सुबह की
 भीख मांग रही थी
 कल रात हिंदी सिसक रही थी-
 प्रेमचंद और निराला
 के नाजों की पली
 पंत और गुप्त
 के हाथों संवरी
 उन्हीं के पौत्रों से
 यह मुरझाई कली
 एक नए वसंत की
 मांग कर रही थी
 कल रात हिंदी सिसक रही थी-
 उस दिन उसके कानों ने
 एक आहट सी सुनी थी
 जिसे सुनकर भी उसने
 अनसुनी की थी
 उफ ! वह आहट और कोई नहीं
 उसी की सौत थी
 तकदीर ने जिस के हाथों
 भेजी हिंदी की मौत थी
 कल रात हिंदी सिसक रही थी-
 "इस विलायती सौत के नशे में
 कितने ही व्यक्ति
 व्यक्त करने की शक्ति
 खो बैठे हैं
 मन ही मन घुटते हुए भी
 उसी पर मर मिटते हैं"

यह कहती हुई

वह फफक रही थी
 कल रात हिंदी सिसक रही थी-
 "जब हर नजर
 इन घुटघुट कर
 मरी हुई लाशों को देखकर
 सहम जाएगी
 तब वह पीढ़ी
 नए जीवन की खोज में
 मुझे जीवन देने चली आएगी"
 इन्हीं आशाओं के
 वन उपवन में भटक रही थी
 कल रात हिंदी सिसक रही थी-

मीनाक्षी स्वामिनाथन्
 एफ. ई. (सिविल)



बद-किस्मत !...

समाज लूटते समाजसेवक, देश लूटते हैं गद्दार ।
 गरीबी खाती है गरीब को, मानव दानवता का शिकार ।
 राग रँग में अमीर डूबे गरीब रोटी को मुहताश
 देख विषमता की इस खाई को आँखों में आँसु हैं आज ।
 अंतःस्तल में आग लगी है जिस में जलता में दिन रात
 तिस पर तू अन्याय का सूरज तप कर जला रहा ममगात
 अब तो तेरा यह शीतल आश्वासन भी क्या काम का है चंद्र
 कि जो शितलता मेरे अंतःस्तल की आग को बुझा न सके
 काश ! रखता विश्वास तुझ पर ऐ खुदा !
 पर, कहाँ रहा है खुद तु भी अभी दुःखियों का ऐ खुदा ?
 फिर क्यों न कहूँ कसूरवार तुझे मेरे खुदा ? कि,
 हाथियों के पैरों तले कितनी चोंटीयों को
 मैंने कुचलाते हुए देखा है ।

विजय गाला
 एस. ई. (सिविल)

ગુજરાતી સાહિત્ય મંડળ



બિમલ પટેલ અને વિજય ગાલા લાલા લક્ષ્મણરાય કોલેજ (વક્રતુલ્યપર્યા) ટ્રોફી ની સાથે



પંકજ શાહ



બિમલ પટેલ



વિજય ગાલા



FABULOUS GARBA DANCE
at
COLLEGE DAY CELEBRATION

ગુજરાતી સાહિત્ય મંડળ



—પંકજ શાહ, (S.E. Mech)

સેક્રેટરી, ગુજરાતી સાહિત્ય મંડળ.

આજથી ત્રણ વર્ષ પહેલાં સ્થપાયેલ ગુજરાતી સાહિત્ય મંડળની પ્રવૃત્તિઓનો વિસ્તાર વર્ષ પ્રતિવર્ષ વધતો જ રહ્યો છે. ગતવર્ષે હાલ ત્રણ વર્ષમાં અભ્યાસ કરતા શ્રી ઉલ્લાસ શુક્લે વિના મૂલ્યે કેટલીક પ્રવૃત્તિઓ કરી હતી તેના અનુસંધાનમાં આ વર્ષે ડ્ર. જ. જીવી નજીવી કિંમતે સમગ્ર કોલેજના વિદ્યાર્થીઓને મેમ્બર્સ બનાવ્યા હતા.

મંડળની પ્રવૃત્તિનો ઉદ્ઘાટન સમારંભ જાણીતા હાસ્ય-કલાકાર શ્રી મહેન્દ્ર પી. ઠક્કર (છાત્રમ)ના હાસ્યદરબારથી કરવામાં આવ્યો હતો. આ કાર્યક્રમના અતિથીવિશેષ જાણીતા પ્રો. માલેક, તેમજ પ્રમુખ શ્રી પંચોળી સાહેબ, કોલેજની જીમખાના પ્રવૃત્તિના ઉપ-પ્રમુખ શ્રી કુલકર્ણી સાહેબ તેમજ કોલેજના વિદ્યાર્થીઓ અને અન્ય સ્ટાફ મેમ્બર ભાઈઓ ઉત્સાહથી સહભાગી થયા હતા. કાર્યક્રમના પ્રથમ સત્રમાં શ્રી છાત્રમ દ્વારા ટ્યુકડી હાસ્યકથાઓ, જોકસ ઈત્યાદિની રસલહારી થઈ હતી. જ્યારે દ્વિતીય સત્રમાં પ્રશ્નોત્તરીના કાર્યક્રમમાં શ્રોતાવર્ગ દ્વારા ઘણાજ સારો સહકાર મળ્યો હતો. કાર્ય મને અંતે શ્રેષ્ઠ બે સવાલને મંડળ તરફથી ઈનામ આપવામાં આવ્યું હતું. એક ઈનામ શ્રી મહેશ વેરાને (T. E. Mech) ને આપવામાં આવ્યું હતું, તેમનો પ્રશ્ન હતો, “તમારા દરબારમાંથી કોઈક સુંદર યુવાન છોકરી અધવચ્ચેથી ઉઠીને જાય નો?” બીજું ઈનામ શ્રી જયેશ દેસાઈને (T. E. Mech) આપવામાં આવ્યું હતું. એમને પ્રશ્ન હતો. “બેડીસ છત્રી નાની શા માટે હોય છે?”

કોલેજના ઇતિહાસમાં પ્રથમ વાર

ગતવર્ષના પ્રમાણમાં આ વર્ષે કોલેજની સાથે સાથે મંડળની ઈતર પ્રવૃત્તિઓમાં પણ વધારો થયો છે. આ વર્ષે સાહિત્ય મંડળ દ્વારા કોલેજના ઇતિહાસમાં પ્રથમવાર એક અભૂતપૂર્વ કહી શકાય એવો—

“ડીસ્કો ઢાંડિયા રાસ”નો ભવ્ય કાર્યક્રમ ૧૫મી ઓક્ટોબરના રોજ કરવામાં આવ્યો હતો. આ કાર્યક્રમનું આયોજન પ્રથમ કાર્યક્રમ બાદ માત્ર ત્રણજ દિવસના ટૂંકા ગાળામાં કરવામાં આવ્યું હતું. આ કાર્યક્રમને સફળ બનાવવા માટે કોલેજના કેટલાક વિદ્યાર્થીઓ અને પ્રો. પંચોળી સાહેબે આપેલા અમૂલ્ય ફાળા માટે અમે તેમના આભારી છીએ. કોલેજના વિદ્યાર્થીઓમાં સર્વશ્રી કરીટ ગાલા (T.E.Mech) રાજુ મોદી (T.E.Mech) ઉલ્લાસ શુક્લ (T.E.Elect) સમીર પટેલ (T.E.Mech) જયેશ રંભિયા (F.E.Mech), વપુલ મોદી (S.E.Elect) દીપેશ શુક્લ (S.E.Elect) કેતન કોરડીયા (S.E.Civil), યાકેશ ભાટિયા (T.E.Mech) ઈત્યાદીઓ દિવસ—રાત અથાગ પરિશ્રમ ઉઠાવ્યો હતો. આથી જ આ કાર્યક્રમને તેમ જ મંડળને મળેલા યશના ઉપરોક્ત સર્વ વ્યક્તિ સરખા ભાગીદાર બને છે. આ કાર્યક્રમ પણ મંડળના સભ્યો માટે વિનામૂલ્ય રાખવામાં આવ્યો હતો. વળી આ કાર્યક્રમને અંતે પણ શ્રેષ્ઠ ઢાંડિયા—રાસ રમનારને મંડળ તરફથી ઈનામ આપવામાં આવ્યું હતું. પહેલું ઈનામ મીસ હીના ત્રીવેદી (S.N.D.T.) ને ફાળે તેમજ બીજું ઈનામ શ્રી હરિન્દ્ર પટેલ (S.E.Civil) ના ફાળે જાય છે.

આંતર કોલેજ ક્ષેત્રે અપહૃત્તી સફળતા

* સર્વપ્રથમ રૂપારેલ કોલેજ દ્વારા આયોજિત આંતર-કોલેજ વક્તૃત્વ હરિકાઈમાં શ્રી બિમલ પટેલે (S.E.Elect) તૃતીય ગૌરવવંતું સ્થાન પ્રાપ્ત કર્યું હતું અને ગત વર્ષે શ્રી વિજય ગાલા (S.E.Civil) દ્વારા મેળવાયેલી સફળતાને જાળવી રાખી હતી.

* ત્યારબાદ લાલા લજપતરાય કોલેજ ઓફ એમર્સ ઓન્ડ ઈકોનોમિક્સ દ્વારા આયોજિત વાદવિવાદ સ્પર્ધામાં આપણી કોલેજના પ્રતિનિધિઓ શ્રી બિમલ

પટેલ અને શ્રી વિજય ગાલા દ્વારા માત્ર મંડળ નહીં પરંતુ કોલેજની પ્રગતિમાં પણ શક્યતા સમાન Rotating Shield પ્રાપ્ત કર્યું હતું.

* અંધિરીની ચિનાઈ કોલેજ દ્વારા આયોજિત આંતર કોલેજ કાવ્ય સ્પર્ધામાં આપણી કોલેજના પ્રતિનિધી તરીકે શ્રી કિરીટ ગાલા અને શ્રી વિજય ગાલાએ ભાગ લીધો હતો. આ ઉપરાંત શ્રી વિજય ગાલાએ 'સેન્ટ જેવીયર્સ કોલેજ દ્વારા આયોજિત (મલ્હાર) સ્પર્ધામાં પણ ભાગ લીધો હતો અને તેમનું કાવ્ય 'સુપર સ્ટાર' દુરદર્શન પરના 'આવો મારી સાથે' કાર્યક્રમમાં રજુ કરવામાં આવ્યું હતું.

આપણી કોલેજના વાર્ષિકોત્સવ દરમિયાન સાંસ્કૃતિક કાર્યક્રમના એક ભાગ રૂપે આપણી કોલેજના કેટલાક વિદ્યાર્થીઓએ કોલેજની બહેનોસાથે મળીને પ્રથમવાર સ્ટેજ પર 'દાડિયા રાસ'નો કાર્યક્રમ રજુ કરેલ જે આપણા સૌ માટે ગૌરવની વાત છે.

ઉપરોક્ત સર્વ પ્રવૃત્તિઓનું સંચાલન કર્યા બાદ પણ એક વાતનો ખેલદિલ પૂર્વક સ્વીકાર કરવો રહ્યો કે કેટલીક મૂશ્કેલીઓને કારણે, અનિવાર્ય સંજોગો તેમજ અભ્યાસની તૈયારીને કારણે દ્વિતીય સત્રમાં કોઈ કાર્યક્રમનું આયોજન થઈ શક્યું નથી અને સભ્યોની બધી જ માંગણીઓ સંતોષી શક્યા નથી. આશા છે આવતા વર્ષમાં આવી પ્રવૃત્તિઓને સફળ બનાવવા સહકાર આપશો.

માનવ અવતાર

—દેવેશ શાહ
S.E. (Mech.)

ઈશ્વરે આ સૃષ્ટિનું નિર્માણ કર્યું. એ સૃષ્ટિને પહાડ, ખીણ, નદી, ઝાડ-પાન, ફૂલોથી શણગાર્યું. તેમાં પશુ-પંખીઓને સ્થાન આપ્યું અને માનવીને સર્વોચ્ચ સિંહાસને બેસાડ્યો. ઈશ્વરે માનવમાં સર્વેપરી બુદ્ધિ ઠંસી આપી.

પૃથ્વી પર જન્મેલા પહેલા માનવીથી માંડીને આજ સુધી જન્મેલા દરેક માનવે પોતાની બુદ્ધિનો ઉપયોગ પોતાની જીવન જરૂરિયાતની ચીજો મેળવવામાં પડેલી મુશ્કેલીઓનો સામનો કરવામાં કર્યો છે. બુદ્ધિરૂપી કુદરતી બક્ષિશનો માનવે સદુપયોગ અને દૂરઉપયોગ કરી અગ્નિ, ચક્ર, કપડાં, ઘર લથિયારો વગેરેથી માંડીને વિમાન, ઉપગ્રહો, માનવ સમાન કોમ્પ્યુટરો, અદ્યતન લશ્કરી સામગ્રીને આણુશક્તિ પણ બનાવ્યા. દરેક માનવીએ સીધી કે આડકતરી રીતે આ ચીજોની શોધમાં અને બનાવટમાં પોતાનો ફાળો આપ્યો છે. આથી જન્મ પામેલા કંટાળો અને નિરાશાથી બચવા લોકોએ મોજશોખના સાધનો બનાવ્યા.

આ ઉપરથી લાગ્યું કે માનવે કેટલી સુંદર પ્રગતિ કરી છે. અશક્ય ને શક્ય બનાવ્યું છે. પોતાનો આ અવતાર સફળ બનાવ્યો છે.

પરંતુ સિક્કાની બીજી તરફ નજર કરીએ તો વાદળોથી ઘેરાયેલા વાતાવરણમાં દોખાઈ આવે છે માનવતા સર્જનાની

સમસ્યાઓ. માનવીએ જેટલી નવી ચીજોનો શોધ કરી એટલા જ પ્રમાણમાં ટૂંકા સમયમાં અથવા લાંબા ગાળામાં નવી સમસ્યાઓને જન્મ આપ્યો છે. માનવજાત શોધ, સમસ્યા, ઉકેલના ચક્રમાંથી દૃષ્ટી શક્યો નથી. દરેક માનવ આ ચક્રમાં એવો ગૂંચવાઈ ગયો છે કે માનવને આ અવતાર વિશે વિચાર કરી, તેની મદદતા સમજી તેનો પૂરેપૂરો સદુપયોગ કરવાનો સમય નથી.

આજે આ સમસ્યાઓ એ એક બ્રાહ્મ શાંત અને દંડા પરંતુ અંદરથી ગરમ લાલચોળ બની ધગધગતા જવાબામુખી જેવું સ્વરૂપ ધારણ કર્યું છે. જ્યારે આ વાણિકવાયેલી સમસ્યાનો જવાબામુખી ફાટશે ત્યારે આ સૃષ્ટિ ફરી એકવાર નિર્જીવ બની જશે એવો મને ભય છે.

આ બાબતનો સંપૂર્ણ ઉકેલ મારી દષ્ટિએ ઈશ્વરના ભંડારમાં જ રહેલો છે. હવેથી સૃષ્ટિમાં દાખલ થનાર દરેક માનવને સંતોષની વૃત્તિ, ઉદારતા, માનવતાના ગુણો સરખી ગુણવત્તામાં અને પ્રમાણમાં વહેંચી આપવામાં આવે તો આ ધગધગતો જવાબામુખી દંડોગાર બની જશે.

આજે એવું લાગે છે કે ઈશ્વરે માનવજાત પોતાની ભૂલો સમજી શકે તે માટે જ આ ખેલ ખેલ્યો હોય!

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હું જ્યારે વૃદ્ધ થઈશ ત્યારે !

—વિજય ગાલા, S. E. (Civil)

મનુષ્ય જીવન મેળવવું એ લઘુ છે. સુવર્ણકાળ છે. એમાં મન આશાઓના પારણાઓમાં ઝૂલવું હોય છે. અને હૃદયમાં અનેક નવા વિચારો વણાંક લઈ રહ્યા હોય છે. પૃથ્વીના સર્જનદાર બ્રહ્માનું ઉત્તમમાં ઉત્તમ સર્જન એટલે મનુષ્ય જ.

પણ, યૌવન, સ્ફુર્તિ વગરનું મનુષ્ય જીવન એ તો પાયા વગરની ઈમારત સમાન છે. સુકાન વગરની નાવ સમાન છે. જે પાણી જ ન હોય તો ઈમારત કેવી? અને સુકાન વગર નાવ જ શાની?

મનુષ્ય જન્મે છે બાળકના રૂપમાં ત્યારે તે ફૂલની જેવું લાવણ્યમય અને ખૂશનુમા હોય છે. યૌવન તેના સૌંદર્યને ચાર ચાંદ લગાડે છે. પણ સમયનું ચક્ર ફર્યા જ કરે છે. અને આખરે હાડમાંસનો ઘાટ બદલાઈ જાય છે. કપાળે કરચલીઓ પડે છે. આંખો અંદર ઉતરી જાય છે. અને સખત કામ કરેલ મશીન હવે આરામ માંગે છે. બસ. આનંદ બીજું નામ એટલે વૃદ્ધાવસ્થા. હું જ્યારે વૃદ્ધ થઈશ ત્યારે મારી પણ આજ દશા થશે. બધું જવાનીનું જેમ ઓશરો જશે તે અરર...રમતી જવાની ફરર રફું ચકકર થઈ ગઈ હશે. નિર્દોષ, ભોળા બાળપણનું તો ક્યાંય નામોનિશાન જ નહીં હોય.

ક્યાં એ જવાનીનું જેમ, એ જુસ્સો. એ ઠસી, એ મહત્વાકાંક્ષાઓ. રાજધાની એક્સપ્રેસની ઝડપે દોડતી મનની વિચારધારા એ કલ્પનાની દુનિયા. જીવનના કોઈ-પણ લવકારને પડકારવાની તાકાત. એ સાહસ, અને ક્યાં નિરસ લોકો પર ભાજરૂપ શિથિલ વૃદ્ધત્વ. ખરેખર હું જ્યારે વૃદ્ધ થઈશ ત્યારે જીવનના બધા રસ્તે ઓસરી-ગયા હશે.

હું મારી જતને લોકોથી વિમુખ થતી જોઈશ. મુવા નોના ટોળા વચ્ચે હું ભલે ભળવાનો પ્રયત્ન કરીશ. પણ હું જુદો જ તરી આવીશ. હા, નાના બાળકો મને ખુબ

ગમશે. મારો મોટાભાગનો સમય હું તેમની સાથે જ વિતાવીશ. મુકત હાસ્ય વેરતા જંગના કટુતા ભર્યા વાતાવરણથી તદ્દન અવિખત એવા એ નિર્દોષ કોમળ ફૂલો મારા એ દિવસોના સાથીદાર હશે. ક્યારેક મનગમતા ગીતો અને ગંઝલોની ધૂનમાં ખોવાયેલો હોઈશ. તો ક્યારેક કંઈક લેખનમાં મસ્ત હોઈશ.

સગપણના ઘડપણનો ખરો ખ્યાલ મને ત્યારે જ આવશે. સગા કોણ? અને વ્હાલા કોણ? તે જરૂર સમજાઈ જશે. મારાજ પુત્રો મારી વાત નહીં માનતા હોય. ‘હવે લપલપ બંધ કરોને, શું તમેય બધી વાતોમાં માથું મારતા હશે, સાઠી બુઝી નાઠી... વગેરે... વગેરે... સાંભળવાથી મારા કાન ટેવાઈ ગયા હશે. બસ પછી તો અપમાનના ધુંટણા મારે પીએ જ છૂટકો. જે દિકરાની બહુને કંઈક કહેવાઈ ગયું તો તો ખવાસ જ. તેમના મેકઅપ, પાર્ટી, શોર્પીંગના ધૂમ ખર્ચની કોઈ વિસાતા જ નહીં હોય. પણ ભુલે ચૂકે જે હું દાઢી કરાવવા પૈસા માંગીશ તો કહેશે. “શું તમે પણ, હજી પંદર દા’ડા નથી થયા દાઢી કરાવો.” “હવે દસ પંદર કીલ્લો ઘઉં ને ઘાસલેટ ઉપાડી આવ્યા એમાં વળી ક્યાં વાઘ માર્યો? ને આ શું? જરા થરીર તપ્પું કે મંડ્યા બુમાબુમ કરવા. ડોક્ટરને બોલાવી, ડોક્ટરને..... વગેરે... વગેરે... ને એવું તો ઘણું ઘણું.”

જે ઘરમાં જ આવું વર્તન હોય તો પછી બહારવાળા પાસે હું વધારે શી આશા રાખું? જીવન એક નાટક છે. અને આ નાટકનું મુખ્યપાત્ર ત્યારે હું ભજવી રહ્યો છું એમ મને લાગશે...

“Life is a pendulum between smile & tear”

જીવન એ હાસ્ય અને સદન વચ્ચે ફરતા લોલક સમાન છે. અને તે વખતે લોલકનો ઝોળો સદન તરફ ગતી કરી રહ્યો હશે. આવા વાતાવરણમાં થોડુંક મન

ધર્મધ્યાન તરફ પણ વળ્યું હશે. કદાચ તેનાથી શાંતી પણ પ્રાપ્ત થાય.

ક્યારેક બગીચામાં બેઠો બેઠો હું ભુતકાળમાં ખોવાઈ જઈશ. એ ક્વરવ કરતું બાળપણ. શાળાના દિવસો. એ ઠંડા મશ્કરી, એ કોલેજના દિવસો. વિવિધ સ્પર્ધાઓ, મિત્રોનો સહવાસ, જેમભરી જુવાની બધું યાદ આવશે ને હું રડીશ. ખૂબ રડીશ ને મારા અશ્રુ ખલાસ થઈ જશે... ને કોણ જાણે કેમ પણ હું તદ્દન અવાક થઈ જઈશ.

ક્યારેક સંધ્યાને ટાણે આ અલબેલી સૃષ્ટિના સૌંદર્યને માણીશ. એ સના પોલ જેવા વાદળા, સાતપણી સલુણી સંધ્યા. એ મંદ મંદ વાતો થયું. તમારાઓનું ગુંજન. મુક્ત ગગનમાં વિહરી રહેલા પક્ષીઓ વગેરે જોવું ખુબ ગમશે.

અફાટ સાગરને કિનારે હું ગુમસુમ બેઠો બેઠો ખૂબ દૂર દૂર સુધી પથરાયેલું શિતળ જળ. તેના પર હાલક હાલક થતી નૈયાઓ. અને અંદર કુદાકુદ કરતા મોજાઓ જેની હોઈશ. ખરેખર કુદરત માનવનો ખરો સાથી છે.

જીવનની પાનખરના એ દિવસોમાં મારી પત્ની જ મારે પડખે હશે. મારી બીમારીમાં તેની ઉંઘ ઉડી જશે. હરપળ તે તો એ જ વિચારશે કે તેનો ચૂડી-ચાંદલો અખંડ રહે. ત્યાગ, બલીદાન અને સેવાની ભાવનાથી પ્રેરાયેલ ભારતીય નારી એટલે જ તો વિશ્વમાં મહાન છે. આ સમયે ભુતકાળમાં મેં તેને કરેલ અન્યાય મને બરાબર સમજશે. સ્થૂળ અને શુભ્ર પ્રેમ વચ્ચેનો તફાવત પણ બરાબર સમજશે.

સંસારની અસારતાનું ભાન હવે બરાબર થઈ ગયું હશે. જીવનના વિવિધ પાસાઓ મારી આંખો સમક્ષ તરવરી આવશે. ક્યારેક મીઠાશ, ક્યારેક કડવાશ. સુખ, દુઃખ, વિવિધ લાગણી. ગ્લાનિ, ઉન્કંઠા... વગેરે ચિત્રપટના પરચા સમાન મારી આંખો સમક્ષ પસાર થઈ જશે.

આખરે શરીર હવે પાક્યું છે એમ લાગશે જે હુંગરા હોંશે હોંશે ચડ્યા હતાં તે હવે આકરા લાગશે. જે રસ્તાઓ જંગલો ભમ્યોતો તેના પર ચાલવું કઠીન લાગશે. આખરે

થાકેલું શીથિલ શરીર રોગોની નાગચુડમાં જકડાઈ જશે. આ મારા અંતની શરૂઆત છે એ હું સમજી જઈશ ક્યારેક ઓફીસથી ફેરસદ કાઢી પુત્રો મળવા આવશે. તો ક્યારેક વ્યવહાર ખાતર સંબંધીઓ. હા મારી પત્ની તો મારે પડખે જ ઉભી હશે. હવે મને મારા દીવસો પુરા થયા હોય એમ લાગશે. પણ “મૃત્યુ એ તો જીવનસાથી નાટકનો વિસામો છે.” એટલે કે એ તો કાણીક છે. તેના પછી તો નવજીવનનાં રૂપેરી પરદો ફરી ઉઘડાવે છે. તો પછી તેનો ભય શેનો ?

મારા જીવનની અંતીમ ઝલકો માંની એક હશે. ડૂબતા સૂરજને જોઈશ ને તેમાં મને મારું પ્રતીબિંબ દેખાશે. કંઈ જાજરીત ખંડેરને જોઈશ તો મને તેમાં મારું જ રૂપ દેખાશે. બત્રીશી વગરનું બોખું હાસ્ય માત્ર હોલો પરજ પરખાશે નિર્બળ આંખો વડે હું આ જીવનના સૌંદર્યને માણવાનો. નાકામિયાબ પ્રયાસ કરતો હોઈશ. ભુતકાળની ડાયરીના એ મધુર સંસ્મરણોની યાદમાં વિરહના અશ્રુ વહાવતા મારા નયનો કશાં એ અંધારી આવલમની કારમી કોટડીના દ્વારેથી કોઈ એ નિરખ્યા હોય !...

જીવનની પાનખરને અંતિમ પગથીયે ઉભી હું અંતિમ પ્રહારની રાહ જોતો હોઈશ. ત્યારે પ્રભુને એક પ્રાર્થના જરૂર છે. કે હે પ્રભુ! જીવન દરમ્યાન, મારા હારે કોઈનું ભલું ન થયું હોય તો કંઈ નહીં, પણ કોઈનું ખુરું તો નજ થયું હોય. પુણ્યનું કર્મ હોય તો કંઈ નહીં પણ પાપ તો ન કર્યું હોય. બીજું કંઈ નહીં પણ કચી માટીનો બનેલો હું પામર માનવી બસ માનવ થઈને જીવ્યો હોઉં તો ઘણું.

આ જીવનરૂપી ઘટમાળમાં તો સૂરજ દરરોજ ઉગે ને અસ્ત પામે. પણ આ હૃદયનો સૂરજ તો એકજ વખત અસ્ત પામે ને ફરી ઉઠી ઉઠ્ય ન થાય. (થાય જરૂર પણ કોઈક નવી જ સૃષ્ટિ માં.) મૃત્યુ વખતે એક સંતોષ જરૂર હશે. કે અંતિમ ઉંઘ પણ મા-લોમને ખાળે જ મળી.

અર્ધમીચાતી આંખો એ જીવનની એ છેલ્લી ઝલકમાં શું માંગે એ જાણવા તો મિત્રો તમારે કોઈક નવીન જ વિશ્વમાં જવું પડશે. અને અંતે બે લોચન બીડશે ને જીવનના પાનખરની અંતીમ વણજર સમાન થશે.

માનવની મહત્વાકાંક્ષા

—વિપુલ મોદી, S. E. (M)

આ સુષ્ટિમાં પેદા થનાર દરેક માણસ પોતાની રીતે જીવે છે. તેનું ભવિષ્ય પોતાના હાથમાં હોય છે અને ભૂત પોતાના મનમાં. પોતાના સ્મરણ અને અડચણોને યાદ કરીને પોતાના ભવિષ્યને બનાવવા કોશિશ કરે છે.

એક નાની સરખી કીડી પણ એક સમય માટે પોતાનો ખોરાક ભેગો કરી લે છે, તે તેના બાકીના સમય માટે જ કે તેની સુસુપ્ત અવસ્થા માટે જ કરે છે. જગતનો આ સનાતન નિયમ છે. પણ ભગવાને મનુષ્યને બુદ્ધિ આપી અને એજ બુદ્ધિપર મનુષ્ય આટલો બેફિક્કર છે.

એક નાનું બાળક જન્મે છે ત્યારે તેની પરિસ્થિતિ દરિયામાં એક લાકડાના ટૂકડાને આધારે જીવનદોરી ટકાવી રાખનાર મનુષ્ય જેવી હોય છે. પણ તે તેની માતા ઉપર અખૂટ શ્રદ્ધા હોવાને લીધેજ જીવનું રહે છે. પોતાની વિવિધ અવસ્થામાં તે આ વિશ્વાસ કાયમ રાખે છે અને જ કરવાનું હોય તે અજણ અવસ્થામાં કરે જ છે.

યુવાનીમાં પ્રવેશનારે આત્મશ્રદ્ધાનાં બળથી, મનરૂપી ખલાસી અને બુદ્ધિરૂપી ટંડેલની મદદથી જીવનને પાર કરવાની રહે છે. દરેક યુવકે મુશ્કેલીઓ પાર કરવાની હોય છે અને તેણે તે પાર કરવી જ જોઈએ. હિમ્મત, આત્મ-શ્રદ્ધા અને આત્મવિશ્વાસની મદદથી જ ભલભલી મુશ્કેલી પાર ઉતારી શકાય. તેણે પોતાની નાનકડી નોકીને પોતાની બુદ્ધિ અને ચાલાકીથી મોટા મજબૂત જાણજમાં ફેરવી નાંખવી જોઈએ, જેથી મોટામાં મોટી મુશ્કેલી પણ સંભાળીથી પાર કરી શકાય.

જેમ સાચું બોલનાર અને સાચું કરનાર કદી ડરતો નથી તેમ દરેક માણસ પોતાની જગ્યાએ સ્થિર રહી કોઈથી ન ડરી પોતાની પ્રગતિ પોતાની રીતે કરી શકે છે. ખોટી રીતે બંધાયેલું જાણ જુભી જાય છે પણ સાચી રીતે બંધાયેલી હોડી સમુદ્ર પાર કરી નાંખે છે. માટે જીવનારે સમજણ, યતનની સાથેજ સાચી અને વ્યવસ્થિત યોજનાથી પોતાની

જિંદગીની શરૂઆત કરવી જોઈએ. પ્રગતિ ભલે ધીમી હોય પણ એવી તો ન જ હોવી જોઈએ કે જેથી તેની અધિગતિ થાય.

માણસ પોતાની મહત્વાકાંક્ષા છોડી દે તો તેનું જીવન સંપૂર્ણ થયું ગણાય. સંપૂર્ણ સંતોષ એ જીવનની છેલ્લી કાણોનો પ્રસંગ છે. સંતોષ એ મહત્વાકાંક્ષા પછીનો શબ્દ છે. માણસે પોતાની મહત્વાકાંક્ષા (આશા) છોડી દેવી ન જોઈએ. અને વધારે પડતી મહત્વાકાંક્ષા પણ ન રાખવી જોઈએ. પોતે પોતાનું સ્તર જાણીને મહત્વાકાંક્ષા સેવવી જોઈએ નહિ તો દુઃખી થવાનો વારો આવે છે. હા, એટલું જરૂર છે કે પાર પડેલી મહત્વાકાંક્ષા કે ઈચ્છા પરિપૂર્ણ થાય તો તેનો સંતોષ માનતાં શીખવું જોઈએ. પછી એવું ન થાય કે મારી મહેનત કરતાં મને ઓછું ફળ મળ્યું છે.

જિંદગીના અનુભવો પામી ચૂકેલા પીઠ માણસે પોતાના જીવનની સુવાસ બધે જ ફેલાવવી જોઈએ. તેણે પોતાના વ્યક્તિત્વને સર્વવ્યાપક બનાવવું જોઈએ. છતાં તેણે એ કદી ન ભૂલવું જોઈએ કે મુશ્કેલીઓ ક્યારે પણ આવી શકે છે. એક જાણ જો પોતાના ઉચ્ચ બાંધકામને કારણે પાણી પર સરળતાથી તરતો હોય તો એટલું પણ યાદ રાખવું જોઈએ કે તેમાં મુશ્કેલીને સમયે બચવાના સાધનો પણ શ્રેષ્ઠ હોય તો જ તે જાણની શ્રેષ્ઠતા વધી જાય છે. મુશ્કેલી કોઈ પણ પળે આવી શકે છે પણ તેનો આભાર થોડી કાળ પડેલાં જરૂર આવી જાય છે. પોતાના સત્કર્મોની સુવાસ જે ફેલાયેલી જ હોય તો મુશ્કેલી દૂર ન થઈ શકે પણ હળવી જરૂર થઈ શકે છે. રણમાં પાણી અને ખોરાક જ તરસ અને ભૂખ ભાંગે છે. તે વખતે ધન-દોલત કામ નથી આવતાં. આવા સમય માટે સારા સમયમાં એકાદ કૂવો અને વિસામાનું સ્થાન બનાવી રાખવું જોઈએ.

માણસ જ્યારે વૃદ્ધ થાય છે ત્યારે તેણે એ કદી ન ભૂલવું જોઈએ કે તેણે એક દિવસ મરવાનું જ છે. આ

વાત દરેક સજીવ માટે સત્ય છે. પણ તેનાથી કાયરતા ન જ આવવી જોઈએ. ઉલટાની હિંમત વધવી જોઈએ જે પહેલાં બચાવ્યું હોય તે પછી જરૂર કામ લાગે છે, અને જે જીવનમાં કોઈક એવું કામ કરી થકીએ કે જેનાથી આ અમૂલ્ય માનવઅવતાર સાર્થક થયો લાગે. અહીં ફરી મહત્ત્વાકાંક્ષા અને સંતોષ આવે છે. જીવનની આ છેલ્લી પળોમાં સંતોષ પછી મહત્ત્વાકાંક્ષાનો સંપૂર્ણ અંત થયો

જોઈએ જેથી ફરી સંતોષ ભરેલું મૃત્યુ મળે. આ જ જીવનનો સાચો અંત હોવો જોઈએ. મરવાના વાંકે જીવવું અને જીવનનાં વાંકે મરવું એનું નામ જ નાશું મૃત્યુ. આજ માનવીનો પૃથ્વી પરનો અવતાર સાર્થક કરે છે.

માનવની મહત્ત્વાકાંક્ષામાં પૈસો, ધન, મિલકત વગેરેનો ઉલ્લેખ નથી કારણ આ લોકોના સંપર્કમાં જરૂર આવે છે પણ એનું મહત્ત્વ ગીલ છે. ○

વિજ્ઞાનના મતે ભગવાન

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દુનિયામાં સૌથી અઘરો અને રહસ્યભર્યો સવાલ હોય તો એ છે કે ભગવાન એટલે શું?

જો આજ સવાલ તમે કોઈ આસ્તિકને પૂછો તો એ કહેશે કે, “ભગવાન બધું છે.” અને જો આ જ સવાલ તમે કોઈ નાસ્તિકને પૂછો તો એ કહેશે કે, “ભગવાન કશું જ નથી.” દરેકે કદાચ એવી કલ્પના કરી હોય કે ભગવાન એટલે જે ચમત્કાર કરી શકે, દુનિયાનો તારણહાર, આપણા દુઃખનો ભેલી. પણ શું આ વાત તમારે ગળે ઉતરી શકે છે? કદાચ નહીં, પણ બધા આવું માને છે એટલે આપણે પણ માનીએ છીએ.

તમે કોઈ મોટા વિજ્ઞાનીને પૂછો તો એ કહેશે કે ભગવાન એ માત્ર કલ્પના છે. પણ શું એ જ વિજ્ઞાનીને તમે કોઈ વસ્તુમાં જીવ પૂરવા કહેશો તો શું એ સફળ થશે? કદાચ નહીં. અને આજ વસ્તુ આપણને દુનિયામાં ભગવાન છે એવું માનવા પ્રેરે છે.

પણ મારી ધારણા ભગવાન માટે જરા જુદી છે.

આ માટે હું તમને આદિકાળમાં લઈ જઈ. અત્યારથી કરોડો, અબજો વર્ષો પહેલાં આપણા બ્રહ્માંડની સ્થિતિ જોઈએ. તે કાળમાં આપણું બ્રહ્માંડ ગરમ વાયુઓથી ભરેલું હતું અને આ વાયુઓ સ્થિર હતા. પણ તેમને એકાએક ગતિ મળતા એકબીજા સાથે સંપર્કમાં આવી જુદા જુદા પદાર્થો બન્યા (વાયુઓને એકાએક ગતિ મળવાની ચર્ચા આપણે છેલ્લે કરીશું.) આ પદાર્થો ઠરી જતાં ગ્રહો, તારાઓ ઉપગ્રહો અને સૂર્યમંડળો બન્યા. જ્યારે આપણી પૃથ્વી બની ત્યારે ઘણાં ગરમ વાયુઓ હતા. દા.ત. હાઈડ્રોજન, ઓક્સિજન, સલ્ફર, કાર્બન વગેરે. હવે હાઈડ્રોજન, ઓક્સિજન ભેગા મળી પાણી બન્યા અને આપણી પૃથ્વી પર મોટા મહાસાગરો બન્યા. હાઈડ્રોજન, ઓક્સિજન અને

પંકજ શાહ

S. E. (Mech.)

ભેગા થઈ ઓર્ગેનીક પદાર્થો બન્યા અને ઓર્ગેનીક પદાર્થો નાઈટ્રોજન અને સલ્ફર વગેરે જેટલા પ્રક્રિયા કરી ખૂબ જ કોમ્પ્લેક્ષ ઓર્ગેનીક પદાર્થો બન્યા. અને આ ન્યુક્લી-ઓટાઈડ્સ એટલે આપણા કોષોમાં આવેલા રીબોન્યુક્લીક અને ડાઈઓક્સીરીબોન્યુક્લીકના બંધારણીય ઘટકો એટલે આ જીવનનું પ્રથમ પગથિયું હતું.

અને આમ પૃથ્વી પર જીવો પેદા થયા. હવે જો આપણે ફરી પાછા જઈએ અને વિચારીએ કે જો વાયુઓ સ્થિર હતા તો તેમને ગતિ કેવી રીતે મળી?

“ન્યૂટનના પહેલા નિયમ મુજબ જો કોઈ પદાર્થને બાહ્યબળ આપવામાં ન આવે ત્યાં સુધી એ પદાર્થ જો ગતિમાં હોય તો ગતિમાં રહે અને જો સ્થિર હોય તો સ્થિર રહે.”

આ બાહ્યબળને “ઝંબેદમાં” આદિશક્તિ એટલે નામ આપવામાં આપ્યું છે.

આ આદિશક્તિને લીધે જ બ્રહ્માંડને ગતિ મળી અને આ આદિશક્તિ એટલે ભગવાન.

ગીતામાં વર્ણન કરવામાં આપ્યું છે કે “ભગવાન એટલે સૂક્ષ્મથી પણ સૂક્ષ્મ અને વિશાળથી પણ વિશાળ.” “જેની કોઈ શરૂઆત નથી જો કોઈ અંત પણ નથી.” “જેની કાયા ઈતિથી અનંત સુધી છે.” જેને કદી પેદા નથી કરી શકાતો અને જેના વિનાશ પણ થઈ શકતો નથી.”

અને આ વૈજ્ઞાનિક દૃષ્ટિએ જોઈએ તો શક્તિ એટલે જ જે પેદા નથી કરી શકાતી અને જેના નાશ પણ નથી શકાતો. (Law Conservation of Energy.)

અને આ શક્તિ એટલે જ ભગવાન. ○

કો'ક તો જાગે

જાગવું છે, દુનિયાના અંધકારમાંથી,
કોઈની મદદ વિના,
નીકળવું છે બહાર માયાના આવરણ માંથી,
કોઈની મદદ વિના.
ને... પામવું છે પરમ સત્ય જગતનું.
કોઈની મદદ વિના,
હાય રે... પણ...
જગતું નથી ઉઘમાંથી કોઈની મદદ વિના
નીકળાતું નથી બહાર કોઈની મદદ વિના.
ઈશ્વરું છું કે...
ઈશ્વરું છું કે કોઈક તો મને જગાડે
નીકળે બહાર માયાના આવરણમાંથી.
પણ.....
જ્યાં આખું જગત જ સુતુ હાય
ભટકતું હાય માયાનાં અંધકારમાં
ત્યાં... મને કોણ જગાડે અંધકારમાંથી.
આથા રાખું છું કે કો'ક તો જાગે,
જાગે અને જગાડે અંધકારના ગર્ભમાંથી,
નીકળે બહાર માયાના આવરણમાંથી.

—મેહુતા કેતન ડી.
B. E. (Mech.)

ગુર્ધસ

તને શું બતાવું, તું તો આંધળી છે,
તને શું સંભળાવું, તું તો બહેરી છે,
તને શું સ્પર્શ કરું, તું તો અગ્નિ છે,
તારી શું પાસે આવું, તું તો અદ્યુત છે,
તને શું પ્રેમ કરું, તું તો બેવકા છે,
તને શું મારું, તું તો સોને મારે છે,
તારી સામે શું ખાઉં, તું તો સોને ખાય છે,
લોકોને હજુ શું ભ્રમમાં રાખું, તારું નામ તો
મોંઘવારી છે.

—મેહુતા કેતન ડી.
B. E. (Mech.)

બરફનો સ્તંભ

હું બરફનો સ્તંભ,
પીગાળવા ચાહો તો ય ન પીગળું હું,
ઝૂકાવવા ચાહો તો ય ન ઝૂકું હું.
મારે ન જરૂર કથા આવરણની,
સ્વેત કણો જ મારા બની રહે આવરણ.
પોલાદથી પણ છું મજબૂત હું,
અને ફૂલથી પણ કોમળ છું હું.
મુજ સહારે જીવતા અનેક જીવ,
ને મુજથી મરતા પણ અનેક જીવ.
હું બની રહું જેવા સાથે તેવો.
પીગાળવા બેસું તો પ્રલય પણ આણી થકું,
કે વળી પાસ લોકની બૂઝાવી થકું.
સૂરજના બાણ વ્યર્થ અનેક.
બસ, પ્રેમ—નમ્રતાનું એક જ બાણ,
ખપ પૂરતું, મુજને પીગાળવા ને ઝૂકાવવા.
કારણ, હું બરફનો સ્તંભ !

મહેશ મોદી
S. E. (Mech.)

હાયકુ પંચમ

દેશ જદારો
આજ મારી માતને
શૂંથી રહ્યા છો.
આંખો તો આપી,
પણ, શું રે જોઉં હું,
આ નરકમાં ?
પેટ તો આપ્યું.
ને ભૂખ પણ ખરી,
પણ ખોરાક ?
રાષ્ટ્રપિતા ને
યાદ કરીને બસ
આંસુ સારુ છું.
કેલેન્ડરની
તારીખોને ફાડતાં
ઓછી થાય છે.

—વિજય ગાલા
S. E. (Civil)

કોઈ સાંભળશે ?

મારે તારાની જેમ ચમકવું છે, પણ વાદળામાં વિલિન નથી થવું,
ફૂલની જેમ મહેકવું છે, પણ પ્રભુને ચરણે નથી પડવું,
પંખીની જેમ વિહરવું છે, પણ પિંજરમાં નથી પૂરાવું,
સરિતાની જેમ વહેવું છે, પણ સાગરમાં નથી સમાવું,
મારે જીવવું છે, સમાજના બંધનો ફગાવીને,
ચીખી ચીખીને આ જગતને કહેવું છે,
'હું જીવંત છું, જડ નહિ !' કોઈ સાંભળશે ?

પરીતા મેહતા

T.E. (Electrical)

ગ્રાહક :— (રામુ ધોબીને) રામું તું તો સાહેબ બની ગયો
આજકાલ પેન્ટ પહેરવા માંડ્યો છે વાત
શું છે ?

રામુ :— શું કરે સાહેબ હમણા ધોતીયા ધોવા માટે
આવતા નથી.

રશિયાનો કુતરો અને અમેરિકન કુતરો સરહદ પર
ભેગા થઈ ગયા ત્યારે અમેરિકન કુતરો કહે. “અલ્યા આમ
તો જાડો દેખાય છે પણ મોઢાં પર હાસ્ય કેમ નથી ?”
રશિયન કહે, “ભાઈ હમારે ત્યાં બધું સુખ છે. પણ ભસવાની
મનાઈ છે.”

—અરકતઅલી દારોડીયા

S. E. (Mech.)

આવી આવી મદભરી ઋતુ જવાનીની
કેમ કરી વર્ણવું તમને એ કહાની.

હાથ ઝાલીને પકડુ તોય મન ભાગે દૂરદૂર
ઉડતું અથડાતું એ જાય ક્યાંક દૂર—સુદૂર

એની મસ્તીભરી ચાલ દિલને ઓર મસ્ત બનાવે
રંગ રંગીલા સ્વપ્નો દિલને ઓર બહેલાવે.

ચક્રચકાટ ખિલખિલાટ એ થનગનાટ
એના વિદ્યુતી સ્પર્શના ચમકાર.

સહ્ય અસહ્ય તીખા મીઠા એ તોર
અવર્ણનિય એ આનંદો મીઠો દોર.
કેમ કરી વર્ણવું એ સ્વપ્નીલ કોર.

પણ હાયરે એ સ્વર્ગિય ચંચળતા
હાથ લાગી ન લાગીને બની રહી સંભારણા.



Vijay M. Gala.
S.E. (Civil)

સુપર સ્ટાર !

તાજમહાલ હોટલના મારા રૂપેરી ઓરડાના,
અર્ધપુલ્લા દ્વારેથી આવ્યા તા મીત્રો અને પ્રશંસકો,
દઈ અભીનંદન વધાવવા મુજબને, કારણ,
હું સુપરસ્ટાર બન્યો હતો.
કોઈક આમ કહેતું, તો કોઈક તેમ.
કોઈક વળી પ્રશ્નો પણ પુછતું.
પણ હું ચાંત હતો. એકદમ ચાંત.
ન કંઈ સાંભળતો તો, કે ન કંઈ કહેતો તો.
તેઓ કહેતા, હવે તે ક્યાંથી બોલે ?
હવે તો તે સુપરસ્ટાર થઈ ગયો છે.
હવે તે જાને આપણો મિત્ર ?
પણ, દોસ્તો, યારો, તમે જ કહો.
એમાં મારો શો વાંક ?
શું લાથ ક્યારે બોલી છે ?

(મુંબઈ દૂરદર્શન માટે પસંદગી પામેલ કાવ્ય)

—(વજય ગાલા
S. E. (Civil)

- (1) Represented college in intercollegiate story and poem competition organised by St. Xaviers College (Bombay-I).
- (2) Represented college in intercollegiate 'Kavi Sammelen' organised by Chinai College (Andheri) East.
- (3) Won Lalalajpatrai Rotating shield for debating competition in Gujarati for the year 1982-83. Organised by Lalalajpatrai college of Commerce.
- (4) Selected among 200 competitors on T. V. for the programme 'AAVO MARI SATHE' for his poem 'SUPERSTAR' in Gujarati.



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APRIL 1983

R. S. BHANDARKAR
Signature of Publisher.

अ नो यतः यतः यतः यतः ।

Let noble thoughts come to us from every side

Rigveda, 1-89-ii

Samgachhadhvam,
Samvadadadhvam,
Samvomansmsi janatam.

Walk together,
Talk together,
Act with one mind.

Regiveda, X-191-ii

Bhavan's Faith

Let me once more set forth the Bhavan's faith for the benefit of new students and members, for it is necessary that they should understand it clearly and imbibe its spirit.

The Bhavan stands for the reintegration of Indian culture.

In a world falling to pieces under the impact of an amoral technological avalanche, it tries to hold fast to the fundamental values for which our culture stands—RITA, SATYA, YAGNA and TAPAS:

FAITH in God Who in-forms the Cosmic Order;

TRUTH which is accord between mind, word and deed;

DEDICATION which offers all movements of life as an offering to God;

SUBLIMATION which purifies the body and mind and transmutes instincts, passions and emotions into things of beauty.

This, regardless of forms and doctrines, is Dharma, the three-fold aspects of which are SATYAM, SHIVAM, SUNDARAM—Truth, Love and Beauty.

For these values our forefathers lived and died. So did Sri Ramakrishna Paramahansa, Swami Dayananda, Swami Vivekananda, Gandhiji and Sri Aurobindo, among the moderns.

These values are embedded in our national outlook.

We command the respect of the world because of them.

We can look forward to the future with confidence only because they have the vitality which gives the power to vindicate their validity even in this fear-and-avarice-ridden age of ours

We, the Bhavan's family, whether it is the smaller one or the larger one, must make every effort in restoring an awareness of these values in personal and collective life.

Krishna