



PRESIDENT'S COLUMN

ROLE OF TECHNICAL EDUCATION IN MEETING CHALLENGES OF GLOBALISATION



Technical Education is the most vital parameter for Human Resource Development System with great potential for addition of values to products and services thus facilitating improvement in 'National Economy' and enhancement in quality of life of the people. Although during last few decades, there has been continuous phenomenal expansion of technical

education in our country, a lot needs to be done to face the growing challenges on account of Globalisation. The changing scenario by the turn of the century in socio-economic, industrial and technological areas needs to be considered to enable the system to play its role with greater relevance and objectivity. Based on these considerations, several initiatives are being taken to further revamp the technical education system. Therefore, there is a need for the education authorities to reorient their education policies to make the curriculum more innovative. This move will certainly help develop the capacity for critical and analytical thinking in order to provide a sufficient pool of well-educated, highly-skilled and strongly-motivated labour force, as well as to produce responsible citizens with high moral and ethical values. It can be a very effective way to motivate students to learn complex academic concepts. According to the Centre for the Study of Globalisation and Regionalisation (CSGR), globalisation has two main dimensions:

- The emergence of a set of sequences and processes that are increasingly unhindered by territorial and jurisdictional barriers and that enhance the spread of trans-border practices in economic, political, cultural and social domains.
- As a discourse of political and economic knowledge offering one view of how to make the post-modern world manageable. From this perspective, globalisation is a body of knowledge and shared beliefs which constitute a 'normalising rationality'.

Globalisation is a new and more complex stage in what is a long historical process of internationalisation. The deregulation of product and factor markets coupled with new information and other technologies have resulted in the emergence of truly global markets with much reduced transactions costs. With globalisation, knowledge is rapidly supplanting physical capital as the principal source of wealth. High and sustainable economic growth is increasingly dependent on the attainment of international competitiveness in skill-intensive, high technology growth sectors. Consequently, the mass provision of high quality higher education as part of a process of lifelong learning is crucial in order to meet the knowledge and skills needs of these sectors.

The attainment of high education for all in the advanced industrial countries is a more likely outcome by 2020 than the attainment of universal primary education of a reasonable quality in all developing countries. Some elements of globalisation are of greater relevance to HRD in the developing countries than others. Economic liberalisation (Privatisation, private sector development, the opening-up of domestic markets to international competition, de-regulation of product and factor labour markets) is pervasive and, as a process of reform, is now relatively well advanced in most countries. Economic liberalisation is, therefore, having a profoundly important impact on HRD in all countries.

At present our country has young vibrant population with tremendous potential for the acquisition of new knowledge and skills. Their versatility and ability to absorb new technologies will help put the country at the forefront of global science and technology development in the new century. Therefore, MHRD will have to play a more collaborative role to realise the overall quality Technical Education Plan. We have to race ahead to achieve a significant transformation of our technical educational infrastructure in order to meet the coming decades as a technologically competent and scientifically adept society.

Prof. Pratapsinh K. Desai
President, ISTE

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OF TECHNICAL EDUCATION**



QUOTE FOR THE MONTH

To establish true self-esteem we must concentrate on our successes and forget about the failures and the negatives in our lives.

— Denis Waitley

WIT AND WISDOM

- Confidence is better than perfection because, perfection means doing the best but..confidence means knowing how to handle the worst..!
- Do not get attracted to people who achieved great heights. Love those who hold you when you fall from the heights. A loyal one is better than Royal one.
- If you can not forget some difficult things in your life. The least you can do about them is making sure you do not give your self time to remember them.
- If you wait for happy moments, you will wait forever. But if you start believing that your are happy, you will be happy forever. Thats life.
- Never be bullied into silence. Never allow yourself to be made a victim. Accept no one's definition of your life, but define yourself.
— Harvey Fierstein
- If you want to test your memory, try to recall what you were worrying about one year ago today.
— E. Joseph Cossman
- You gain strength, courage, and confidence by every experience in which you really stop to look fear in the face. You must do the thing which you think you cannot do.
— Eleanor Roosevelt
- Criticism, like rain, should be gentle enough to nourish a man's growth without destroying his roots."
— Frank A. Clark
- You yourself, as much as anybody in the entire universe, deserve your love and affection.
— Buddha
- Our duty is to encourage every one in his struggle to live up to his own highest idea, and strive at the same time to make the ideal as near as possible to the Truth.
— Swami Vivekananda



ACTIVITY FOR THE MONTH

TOPIC FOR DISCUSSION Professional Skill Development - Road Map

All the Chapters/Student Chapters may conduct Seminars/Workshops on the above topic and send the recommendations to the Headquarters for the needful.

NEWS FROM ISTE FACULTY CHAPTERS

KARNATAKA

- **KLE Dr. M.S. Sheshgiri College of Engineering and Technology, Belagavi** conducted two days National Conference on **Recent Innovations in Process Engineering and Sustainability (RIPES-2016)** on 22-23 April, 2016. The conference was conducted to who cast the advances in core Chemical Engineering as well as allied fields through invited lectures by researchers of national repute and dissemination of latest research in the form of paper presentation with participation from academia, research organisations and industries.



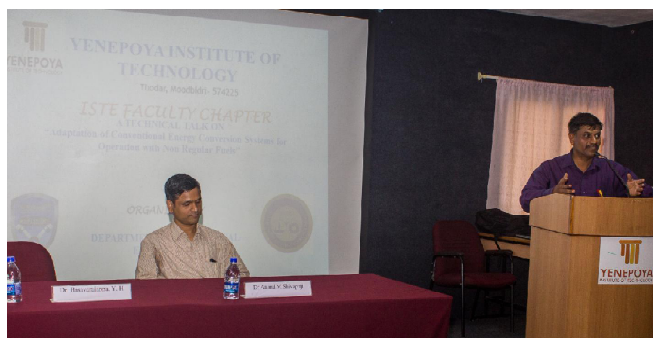
Dignitaries on the dais during the release of conference proceedings.

- **Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, Udupi Dist.** celebrated ISTE Annual Day 2016 to commemorate the year long ISTE activities held in the institute and also to recognise the efforts taken by all ISTE Chapter Office Bearers during the year 2015-16. The day is celebrated to mark the closure of ISTE activities for the current academic year. ISTE Coordinator Mr. Siju V. Soman welcomed the gathering. ISTE Secretary Mrs. Laxmi Shetty read the annual report. The prize distribution for the technical article writing competition and gram vikas, the technical event was awarded to the winners.



Dignitaries presented the certificate to the winners of the technical event.

- **Yenepoya Institute of Technology, Moodbidri** (formerly Dr. M.V. Shetty Institute of Technology) organised FDP talk on different field on 6-4-2016. Dr. Sandeep J. Nayak was the Chief guest and distributed the certificates. A technical talk was also organised on **Adaption of Convention Energy Conversion System for Operation with Non Regular Fuels** on 23-4-2016. Dr. Anand M. Shivapuji, IISc., Bangalore and Dr. Basavarajappa Y.H., HOD, Mech.Engg. Dept. of the College were the resource persons.



Expert talk by the resource person.

MAHARASHTRA & GOA

- **College of Engineering and Technology, Akola** organised two weeks ISTE approved SF-STTP on **Sustainable Materials and It's Engineering Applications** from 20th to 29th April, 2016. The Chief of the programme was Dr. H.R. Deshmukh, National Executive Council Member, ISTE. Dr. S.K. Deshmukh, Principal was presided over the function. Prof. S.C. Makwana and Dr. P.V. Thorat were the Programme Coordinator. Prof. P.D. Bhanawat welcomed the guests.



Dignitaries during the inauguration of two weeks SF-STTP.

- **P.R. Pote (Patil) Education & Welfare Trust's Group of Institutions, College of Engineering & Management, Amravati** organised **Faculty Development Programme** on 16-4-2016. The Chief Guest of the function was Dr. Vishram Bapat, Head. Dept. of EE, Sinhgad Institute of Technology, Lonavala. Dr. S.G. Fale, Dean (R&D), PRPCEM delivered the welcome address. Dr. D.G. Wakde, Director, PRPCEM felicitated the Chief Guest.



Prof. S.G. Fale delivering the welcome speech.

NEWS FROM ISTE FACULTY CHAPTERS

TAMILNADU & PONDICHERRY

- **MRK Institute of Technology, Cuddalore Dist.** conducted ISTE sponsored Regional Conference titled **Recent Developments in Engineering and Technology (RCRDET 2016)** on 7-4-2016. The conference was presided over by the College Chairman Thiru P. Kathiravan. Dr. V. Ganesan, Former Professor, Faculty of Mech.Engg., IIT Madras delivered the Inaugural address. More than 50 research papers from MRK Institute and other colleges presented on different titles and explored their knowledge in the conference. Dr. K. Manivannan, Vice President, ISTE delivered the Valedictory address and presented certificates and prizes to the participants. Dr. K. Anandavelu, Principal, MRK Institute felicitated the occasion and proposed the vote of thanks.



Dignitaries on the dias during the release of conference proceedings.



Dr. K. Manivannan, Vice President, ISTE presented the certificates and prizes to the participants.

Only sharp and well focussed photographs with ISTE Logo and Banner in the background shall be considered for publication.

Editor

INAUGURATION OF ISTE CHAPTERS & STUDENT CHAPTERS

DELHI

- **HMR Institute of Technology & Management, Hamidpur, New Delhi** ISTE Students Chapter was inaugurated on 12-4-2016. On this occasion, a quiz competition was organised to encourage students to look beyond their textual knowledge. Dr. N.K. Gupta, Chairman, ISTE Delhi Section; Dr. I.K. Sharma, Dean (Engineering), SRM University, Sonapat and Dr. M.N. Hoda, Director, BVICAM, New Delhi inaugurated the ISTE Students Chapter. Dr. N.K. Gupta explained the activities that can be organised under ISTE Students Chapter and advised the students and teachers to become ISTE Member and also form ISTE Faculty Chapter. The certificates were given to winner students in the quiz competition. The event concluded with vote of thanks.



Dr. N.K. Gupta, Chairman, ISTE Delhi Section addressing the audience during the inauguration of ISTE Students Chapter.



Distribution of certificates to the winner students.

MAHARASHTRA & GOA

- **Anjuman-I-Islam's Kalsekar Technical Campus, Navi Mumbai** ISTE Faculty Chapter was inaugurated on 17-3-2016 by the Chief Guest Dr. R.I.K. Moorthy, Principal, PIIT, New Panvel. An expert talk on the topic **Towards Establishing Entrepreneurship and Incubation Facilities in Colleges** was delivered by Dr. Prachi Gharpure, Principal, SPIT, Mumbai.



Dignitaries, Office Bearers and Faculties during the inauguration of ISTE Faculty Chapter.

ISTE STUDENTS AWARD 2016

NOMINATIONS are invited from the ISTE student members of all Government, Aided and Unaided Institutions for the various **ISTE STUDENTS AWARD 2016**. These forms were available in the website "www.isteonline.in". Therefore, all Head of the Institutions/Chapter Chairmen/Faculty Advisors are requested to kindly advise the students of the ISTE Students Chapters to visit ISTE Website, download nomination form, read the instructions carefully and send their nomination to ISTE New Delhi before the last date. **Last date for submission of all the nominations to ISTE Hqrs., New Delhi is August 31, 2016.** The Awards will be given to winners during the **19th ISTE Annual Students Convention to be held during October, 2016.**

A. NATIONAL AWARDS

1. **Kerala Government Engineering Design National Award** instituted by the Government of Kerala during the XV Annual Convention of ISTE held at Thiruvananthapuram in December 1985. This Award is meant to promote and encourage creativity, innovation and design talents in engineering degree students.

Eligibility : Any student in engineering or technology who is studying in an institution during this year or who is completing the degree course at any time during this year is eligible to compete for the award. Only FIRST DEGREE (no post graduate) students are eligible. Try individually or in groups of TWO only.

Award Details : Cash Prize (Rs.3000/- for First, Rs.2000/- for Second and Rs.1500/- for Third), a Medallion and Certificates to winners and also to all participants.

2. **NIT, Kozhikode National Award for the Best B.Tech. Project from Engineering Colleges** instituted by National Institute of Technology, Kozhikode to promote research in the areas of :

- Civil & Architecture Engineering
- Mechanical & Production Engineering
- Electrical & Electronics Engineering
- Computer & Communication Engineering

Eligibility : Students undergoing under-graduate programmes leading to B.E./B.Tech. degree in any Engineering Institution in India including the IITs, NITs, State Level Engineering Colleges, University Colleges and Engineering Dept. of Universities.

Award Details : Cash Prize Rs.2000/- each for the above four disciplines, Medallion and Certificates.

3. **Baba Banda Singh Bahadur Engineering College National Award for the Best B.Tech. Project related to Sustainable Development from Engineering Colleges** announced by Sardar Prakash Singh Badal, former Chief Minister, Punjab and instituted by the Management of Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab during 8th National Students Convention of ISTE during October 2005 to promote research in sustainable development in the area of :

- Civil Engineering & Architecture
- Mechanical Engg. & Production Engineering
- Electrical Engineering & Electronics
- Computers & Communication Engineering
- Information Technology & Management
- Agricultural Engineering

Eligibility : Final year students undergoing under-graduate programmes leading to B.E./B.Tech. Degree in any engineering institution in any of the above discipline in India including the IITs, NITs, State Level Engineering Colleges, University

Award Details : Cash Prize Rs.2000/- each for the above six disciplines, Medallion and Certificates.

B. REGIONAL AWARDS

1. **Devinder Singh Bansal Memorial Award for Best B.Tech. Project in Mechanical Engineering and Allied Branches in the State of Punjab** instituted by Mrs. Anup Kaur Bansal and Dr. A.S. Bansal donated a sum of Rs.1 lakh to ISTE to Institute a State Level Award in the area of Mechanical Engineering and Allied Branches (it includes Mechanical Engg., Production Engg., Automobile Engg., Industrial Engg., Agricultural Engg. and Farm Machinery) in the memory of their late son Shri Devinder Singh Bansal.

Eligibility : Students undergoing under-graduate programmes leading to B.E./B.Tech. Degree in Mechanical Engineering and Allied Branches in any Engineering College in Punjab.

The Award consists of a Cash Prize of Rs.7000, a Medallion, and a Citation.

2. **ISTE-NARSEE MONJEE Award for Best Project work done by Polytechnic Students in Maharashtra State** instituted by The Narsee-Monjee Educational Trust, Mumbai for Final Year students of Polytechnics for their Project Work.

ISTE STUDENTS AWARD 2016

Eligibility : Final Year Diploma students in Maharashtra State graduating in B.T.E. approved Diploma Courses in Engineering/Technology/Architecture/ Pharmacy can apply through their Polytechnics.

Both Group Projects and Individual Projects will be acceptable. **However, the Group size should not exceed 4 STUDENTS.**

Selection of Award : A Panel of Judges consisting of representatives of DTE, ISTE and Narsee-Monjee Trust will select the Best, Second Best and Third Best Projects.

Award Details : Cash Prize (Rs.2500/- for First, Rs.1500/- for Second and Rs.1000/- for Third), a Medallion and a Certificate.

- 3. Maharashtra State Engineering Design Award** for Engineering Students (Degree Level) instituted by the Government of Maharashtra to promote and encourage creativity, innovation and design talents in engineering degree students.

Eligibility : Any student in engineering or technology who is studying in an institution in Maharashtra State during this year or who is completing the degree course at any time during this year is eligible to compete for the award. Only FIRST DEGREE (no post graduate) students are eligible. Try individually or in group of TWO only.

Award Details : Cash Prize (Rs.3000/- for First, Rs.2000/- for Second) a Medallion and Certificates to winners. In case two students work on a project and get the award, the cash prize will be shared between the two, certificates will be given to both, but the medallion will be given to the leader of the group only.

- 4. Punjab Technical University Award for Young Engineer Innovators** for the Best B.Tech. Projects by the students of Engineering Colleges affiliated to Punjab Technical University in the Punjab State. The Award was instituted by Punjab Technical University by donating a sum of Rs.11 lakhs to encourage the students and to stimulate the spirit of inventiveness among the technical students in order to honour and recognize their creative talent with a mission to harness their performance for the benefit of society and the nation in the following disciplines:

- Civil Engineering & Architecture
- Mechanical, Production Engineering, Industrial Engineering and Automobiles etc.

- Electrical Engineering & Electronics Engineering
- Computers and Communication Engineering & Information Technology
- Chemical Engineering, Bio-Technology & Food Technology etc.

Eligibility : Final year students of the above branches undergoing under-graduate programmes leading to B.E./B.Tech. Degree in the institution affiliated to Punjab Technical University including the NITs, University-Colleges, Engineering Depts., Engineering & Technology Colleges etc.

Award Details : Cash Prize, Medallion and a Citation.

- 5. Best Students Chapter Award** (One from each Section)

An Award consisting of a plaque and a certificate will be given to the Best Students Chapter in each Section (provided there are at least 10 Student Chapters in the Section) based on their performance during the period January 1 to September 15 as judged by the concerned Section Managing Committee. The Award will be presented during the National ISTE Students Convention during October, 2016. The Award consists of a Certificate and a Medallion. Sections are requested to recommend the name of Best Students Chapter as judged by them to ISTE Hqrs. New Delhi by September 25, 2016.

ISTE Best Student Award 2016 (one from each student chapter)

All Student Chapters Managing Committees are requested to kindly select one best student from their Student Chapter on the basis of overall performance of the student members. The name of student selected may please be sent to their Section under intimation to ISTE Hqrs., New Delhi. The ISTE Section will give the **Best Student Award 2016** to the Students during the **Section Level Students Convention**. Student Chapters are kindly requested to get in touch with their Section regarding date, time & venue of the Convention.

Executive Secretary, ISTE

NEWS FROM ISTE STUDENT CHAPTERS

HARYANA

- **Manav Rachna International University, Faridabad** Faculty of Engineering & Technology organised competition on **Presentation Skills 'Pradarshan'** on 12-4-2016. Prof. M.K. Soni, ED and Dean, FET was the Chief of the programme. Prof. Virender Narula, Faculty Advisor welcomed the delegates.



Dignitaries presenting the awards to the student participants.

- **Dronacharya College of Engineering, Gurgaon** organised National Level Event on **TRONAXIOM-2016** on 7-8 June, 2016. The event was inaugurated by Hon. Principal Prof. Karanjit Singh in the presence of Dr. Neelam Ruhil, ISTE Student Chapter Head and experts from Cybertron and HOD's from various departments. The experts were Shri Amir Khan and Mr. Venkateshwar from Cybertron Network Solutions.



Principal Dr. Karanjit Singh addressing the participants

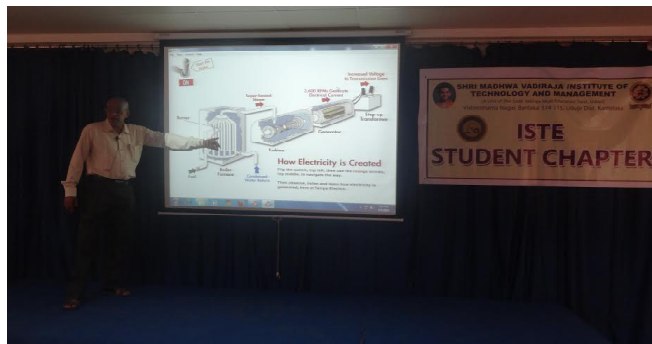


Dignitaries presenting the certificate to the participants.

KARNATAKA

- **Government Polytechnic, Mysore** organised the activities for students like **Women Empowerment** by Mrs. Ramya Bhoomi, Mysore on 17-3-2016 and **Technical Quiz Competition** on 23-3-2016.

- **Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, Udipi Dist.** conducted a technical talk on **Thermal Energy Engineering Applications** on 5-4-2016. Mr. P. Niranjana Adiga, Thermal Energy Engineering and Consultant, Bangalore was the resource person of the programme.



Mr. P. Niranjana Adiga, the resource person addressing the participants during the technical talk.

RAJASTHAN

- **Poornima College of Engineering, Jaipur** organised National Seminar on **Innovative Green Technologies for Sustainable Sanitation, Health & Environment** in association with ASHRAE, ISHRAE, ISTE and ISST. Dr. S.M. Sheth, Chairman, Poornima Foundation and Chairperson Poornima University presided over the function. Dr. Lalit Kumar, Senior Vice President, Sulabh International Social Service Organization, Delhi was the Chief Guest for the seminar. Dr. Arun Kansal, Professor, Civil Engg. Dept., GBU, Noida was the Guest of Honour. Dr. Om Prakash Sharma, Director, Poornima College delivered the welcome address. On this occasion a proceedings of research papers with ISBN No.978-81-930-894-3-9 was also released. Dr. Bina Rani, Associate Professor, Dept. of Chemistry was the Convener of the Seminar IGTSHE-2016. Mr. Shailendra Kasera, Assistant Professor, Dept. of Mech. Engg. delivered the vote of thanks.



Dignitaries releasing the seminar proceedings.

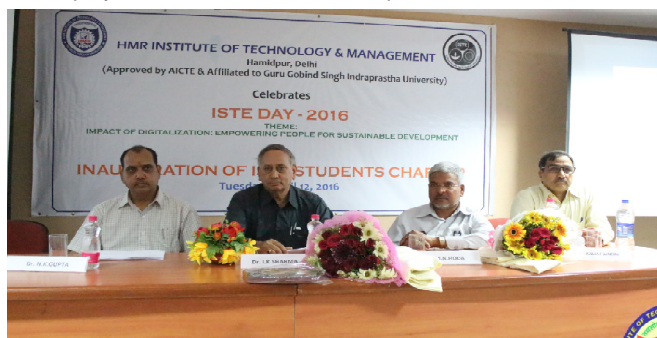


Group photo during the seminar.

NEWS FROM ISTE SECTION

DELHI

- **ISTE Delhi Section** celebrated **ISTE Day-2016** at HMR Institute of Technology & Management, Hamidpur, New Delhi on 12-4-2016. The theme of the ISTE Day was **Impact of Digitalization : Empowering People for Sustainable Development**. Dr. I.K. Sharma, Dean (Engineering), SRM University, Sonapat (Haryana) was the Chief Guest of the function. Dr. N.K. Gupta, Chairman, ISTE Delhi Section was the presiding officer; Dr. M.N. Hoda, Director, Bharati Vidyapeeth Institute of Computer Applications and Management, New Delhi was the Guest of Honour; Dr. S.G. Korloskar, Principal, HMRITM and Dr. Balwant Sharma, Deputy Director, HMRITM were present on the dias.



Dignitaries on the dias during inauguration of ISTE Day-2016



Dr. N.K. Gupta, Chairman, ISTE Delhi Section being presented memento by Dr. Balwant Sharma, Dy. Director, HMRITM.

MADHYA PRADESH & CG

- The meeting of **ISTE Madhya Pradesh & CG Section Management Committee Members** was conducted on 16-4-2016. Meeting was presided over by Dr. Ashish Dongre Chairman, ISTE MP&CG Section and Director Technical Education, Madhya Pradesh. Distinguished dignitaries from various organization participated in the meeting. Representation of IE(I), CPRI, CIPET and polytechnics and engineering colleges of MP made the meeting extremely purposeful. Prof. Mukesh Mishra, ISTE NEC Member delivered the welcome address and made presentation on the activities of ISTE.



Dignitaries on the dias during the SMC meeting of ISTE MP & CG Section.



Representation from IE (I), NITTR Bhopal, SGSIT Indore during meeting.

HIGHLIGHTS OF THE PROCEEDINGS : ISTE NATIONAL SEMINARS

A Book authored by **Dr. S. V. Vaishnav, Honorary Fellow ISTE.**

Dr. S.V. Vaishnav is a former member of the ISTE National Executive Council (2003-05, 2006-08), Chairman of ISTE Gujarat Section (1999-2000, 2001-02) and the principal of A. D. Patel Institute of Technology (ADIT), New Vallabh Vidyanagar (Gujarat) (Retd. 2002).

The book contains foreword by Dr. P. K. Desai, President of ISTE, preface and the highlights of total of eleven proceedings of national seminars held during ISTE National Annual Conventions of 2014, 2013, 2012, 2011, 2010, 2008, 2007, 2003, 2002, 2000 and 1999.

The comprehensive compendium in the form of a book is a collection of what transpired during the pilgrimage for excellence of technical education. The book is a documentary recapitulation of the excerpts, observations and presentations elucidated at the mega events of ISTE. It provides an apt information needed for individuals connected with technical education and for institutional libraries.

The book is available at a price of Rs.100/- to the below mentioned address:

Dr. S. V. Vaishnav,
'Ishavasyam', B/H Raghuvir Chambers,
Off University Road, Vallabh Vidyanagar - 388 120
(Dist. Anand) (Gujarat); Contact : 02692 237 467, Mb. 09979001944

(Cheque @ par in favour of S. V. Vaishnav)

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