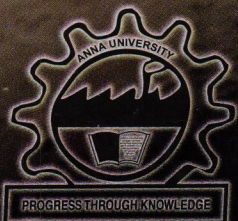


MITMAG

2001



Madras Institute of Technology
Anna University, Chennai - 44.



Redezvous for the reunion of a part of MTC's enclave with MIT



Celebrities galore at MITAFEST - 2001
The teenage hearthrob Prashant, flanked by our seniors Ramesh Prabha & Susi ganeshan

MITMAG - 2001



MIT MUSEUM
MIT Campus, Anna University,
Chennai - 600 044.

**MADRAS INSTITUTE OF TECHNOLOGY
ANNA UNIVERSITY**

Chromepet, Chennai - 600 044.

THE GOLDEN CAMPUS



SHRI. CHINNASWAMY RAJAM

The Great Visionary who founded MIT.

Chennai - 600 044

MITMAG 2001

தலைப்பங்கம்

அன்புடையீர்,

இதோ இங்கு சிறப்பு மிக்க குறிஞ்சி மலராய் சென்னை தொழில் நுட்ப நிறுவனத்தின் பொன்விழா ஆண்டு மலர் பூத்துள்ளது.

நம் கல்லூரியின் மாணவர்கள் தொழில் நுட்ப அறிவில் மட்டுமின்றி உள்ளார்ந்த எண்ணங்களையும், உணர்வுகளையும் அழகாக வெளிப்படுத்துவதில் வல்லவர்கள் என்பதை இதில் காட்டியுள்ளனர். இம்மலரில் உள்ள கவிதை, கட்டுரை, ஓவியம், துணுக்குகள் அனைவரையும் சிரிக்க, சிந்திக்க, வியக்க வைக்கும் என்பதில் உள்ளளவும் ஐயமில்லை. இத்தகு மாணவர் மலர் நம் மாணவர்களிடையே புதைந்துள்ள பல்வேறு திறமைகளையும் புலமைகளையும் வெளிக் கொணர்ந்து அவர்களை அனைத்து துறைகளிலும் சிறப்புற செய்கிறது.

நம்முடைய ஒவ்வொரு உணர்வையும் நாம் வெவ்வேறு நிகழ்ச்சிகளின் மூலம் வெளிப்படுத்துகிறோம். இவ்வாண்டு மலர் கல்லூரியில் நடந்த அனைத்து நிகழ்ச்சிகளையும் நம் கண்முன் மீண்டும் கொண்டு வந்துள்ளது. இதில் குறிப்பாக சொல்ல வேண்டுமெனில் இசைக்கு ஒரு சிவரஞ்சனி, கலை நிகழ்ச்சிகளுக்கு ஒரு MITAFEST, விருந்துக்கு ஒரு Hostel Day, தொழில்நுட்ப அறிவிற்கு ஒவ்வொரு துறையிலும் நடந்த நிகழ்ச்சிகள் அனைத்தையும் மீண்டும் நம் நினைவிற்கு கொண்டு வந்துள்ளது.

இந்த MITMAG புத்தகத்தை வெளிகொணர அனுமதியுடன் ஆக்கமும், ஊக்கமும் அளித்த புல முதல்வர் முனைவர். திரு. அரங்கநாதன் அவர்களுக்கு நன்றியினை உரித்தாக்குகிறோம்.

மாணவர் பேரவை துணை தலைவர்கள், முனைவர் திரு. தனராஜ், முனைவர் திருமதி. வைதேகி விஜயகுமார் அவர்களின் உதவிகளுக்கும், அனைத்து வழிகாட்டுதலுக்கும் நன்றியினை சமர்ப்பிக்கிறோம்.

இந்த இதழ் பல சிறப்புகளுடன் வெளிவர உதவிய அனைத்து ஆசிரியர்களுக்கும் மற்றும் மாணவ நண்பர்களுக்கும் இதழ் குழுவின் சார்பில் உளம் கனிந்த நன்றியினை தெரிவித்து கொள்கிறோம்.

து. இரா. கமலக்கண்ணன் (Final Auto)

இதழ் ஆசிரியர் - MITMAG 2001

சு. ஜெயகோபால் (Final Auto)

ஒருங்கிணைப்பாளர் - MITMAG 2001

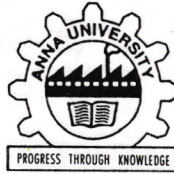
FATHER OF THE NATION



"Anything possible for one is possible for all"

*"I have nothing new
to teach the world.
Truth & non-violence are
as old as the hills"*

- M.K. Gandhi



Anna University

Chennai - 600 025

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Fax : 91-44-2350397
E-mail : knidhl@annauniv.edu

Prof. A. KALANIDHI
Vice - Chancellor

APRIL, 2001

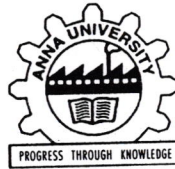
MESSAGE

I am happy to note that Madras Institute of Technology (MIT) is bringing out an annual magazine MITMAG from the Athenaeum of MIT Campus and proposed to celebrate Golden Jubilee Celebrations shortly.

MIT a pioneering institution offers high quality education in various technologies . The institute also offers specialization in core sectors of engineering thereby providing the nation with much sought after technocrats. Technology revolution has brought in a new way of looking at business objectives and the associated need for training and updating the knowledge of the students and professionals. Besides promoting the Research and disseminating knowledge therefrom, the collaboration between the R&D organizations has helped the students to keep abreast of the latest developments in the field and to get practical knowledge. I'm happy to learn that the institution is continuing their untiring march for the development of the nation.

On this occasion, I would like to convey my appreciation to the Staff and best wishes to all the students.

A. Kalanidhi
(A.Kalanidhi)



ANNA UNIVERSITY

CHENNAI - 600 025.

Date : 25.4.2001

Dr. S. GANAPATHY
B.Sc.,B.E.,M.Sc.(Engg.),Ph.D.
REGISTRAR

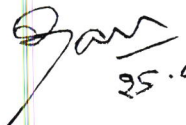
MESSAGE

I am happy to learn that the Madras Institute of Technology is bringing out the annual magazine MITMAG 2001 with usual enthusiasm. This Institute which has celebrated its Golden Jubilee year recently, has grown many-folds in the recent past. New branches like Computer Science and Information Technology are being started at the Under-graduate level and inter disciplinary studies in the areas of Mechatronics and Avionics are already ongoing at the Post-graduate level. The Institute is also attracting major funding from the Government and Alumni in the areas of Defence, Internet and e-governance. Such a support has been a major source of strength to this Institute.

In this era of competition, the alumni of Madras Institute of Technology have made a significant mark in whatever profession they are in; a good number among them managing key positions in India and abroad. This aspect should serve as a source of inspiration to the students of the present and future.

I also recall with pleasure my 20 long years of service at MIT campus of this University, which I would cherish for many more years further.

Wishing all the best.


25.4.01
Dr.S.GANAPATHY



Anna University

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Chromepet, Chennai - 600 044.

Dr. S. RENGANATHAN
DEAN

MESSAGE

It is a pleasure to give a message to the Annual Magazine of MIT for the year 2000-2001.

I am sure that this issue will contain a record of events that took place during the academic year in addition to some technical & general articles.

The practice of documenting events and activities in a nice colourful book is a good and laudable one and it should be advocated to other Indian friends also. I take this opportunity to appreciate the office bearers and the staff members who had put in considerable effort & time in bringing out this magazine.

My best wishes for the outgoing students of this great heritage Institution & welcome the new comers.

(Dr. S.RENGANATHAN)

DEAN, M.I.T.



“When work is a pleasure

Life is a joy

When work is duty

Life is slavery”

**“Life is mostly froth & bubble
Two things stand like stone**

- (i) Kindness in another’s trouble**
- (ii) Courage in your own action”**

Dr. S. Renganathan



Dr. K. JAYARAMAN
Head, Dept. of Aeronautical Engg.



Dr. P. MANNAR JAWAHAR
Head, Dept. of Automobile Engg.



Dr. S. KALIYUGA VARADAN
Head, Dept. of Electronics Engg.



Dr. P. KANAGASABAPATHY
Head, Dept. of Instrumentation Engg.



Dr. G. S. KANDASWAMY
Head, Dept. of Production Tech.



Dr. K. BALASUBRAMANIAM
Head, Division of Rubber Tech.



Dr. J. SHANMUGAM
Head - Avionics



Dr. G. SUBRAMANIAN
Prof. & Head, Dept. of English, Anna University



Dr. C.N. KRISHNAN
Director - AU-KBC Centre



Prof. A. NAGARAJAN
Workshop Supdt. & Training and Placement Officer



Dr. V. VAIDEHI
Head, Computer Centre & Vice-President, Athenaeum



Prof. R. ASOKAMANI
Co-ordinator, Science & Humanities, MIT Campus



P.S. SIVA SANKARAN
Chairman
Athenaeum



P. SENTHIL KUMAR
Programme Secretary
Athenaeum



Dr. R. DHANARAJ
Vice-President
Athenaeum



S. GANESH
Secretary
Athenaeum



D.R. KAMALA KANNAN
Editor
Mitmag - 2001



**"MIT GOLDEN CAMPUS"
Main Entrance -
Set foot into the Verdant landscape**

**Leading by example -
The Dean, MIT at the
NSS activity**



**MITians sweating it out,
not in the exam hall,
but on the grounds, for a change.
The NSO camp**



**Hi-fliers who
knew no bounds**

**But for these droll rollers,
the world would be immobile**



**Stalwarts in the
Macrocosm
of Microdots**





**Inimitable Controllers of
the future global happenings**

**Potentates of Transcending
Technologies**



**Resilient Techies to save
the world from explosion**





Talking of the content of good books one is reminded of poet Walter-de la Mare's observation "only the very rarest kind of best in everything can be good enough for the very young". Books which evoke toughness, wonder, humour, tenderness, wisdom and imagination are books which will nourish children towards maturity. We come back again to what makes a book memorable. We may borrow in this context the words of Maxim Gorki who learnt to read as a child in a remote village, "books made the world a larger place, beautified it with fabulous towns, showing the high mountains and wonderful seashores. Life blossomed miraculously, the earth became more attractive...." Books awakened Gorki's imagination not only about different places and people but about himself. Stories had the power to comfort people, make them merry and also enchant.

One cannot truly classify good books by nature of subject matter. Junk books like junk food will dull the hunger of a child's mind. Books must arouse their curiosity and wonder, two ingredients essential for growing years. Whether it is R.L.Stevenson's Treasure Island or Kipling's Kim or R.K.Narayan's Swami and Friends, accepted classics of youthful literature will kindle the imagination of the reader by showing worlds which are infinitely varied. These books which have stood the test of time also by the inimitable style of their authors are like true gateways to the pleasures and uses of the language.

Finally it has to be said that the most valuable quality a young person can have in his reading life is curiosity. As young people advance in life with an intense curiosity about human relations, about the position of man in the world and also about the techniques of good writing they are not likely to go wrong. If they have grown up with good will towards reading as a necessity of life and one of its major pleasures, they will confirm what they have long known, that books and reading will remain with them as a vital part of their distinct personalities.

LIFE LONG LEARNING – A MUST FOR ENGINEERS

Dr.S.Renganathan, Dean, M.I.T.

To-day the explosive growth of technology that has dominated the past few decades is still continuing. Indeed the growth will become even more significant.

Engineers will develop gadgets & devices affecting not only the present generation, but future generations as well.

The innovations will make people more productive, provide longer life span, healthier & happier life.

Engineers who are the architects for innovation & developments, have to be more knowledgeable, adaptive to deal with people & disciplines that are totally strange and productive. This situation exists already & will continue. As a matter of fact it will become more demanding.

Hence, they have to be a vital engineers capable of acquiring new knowledge, new skills & learning to use new tools. In short, engineers have to be a life long learner and Life Long Learning (LLL) becomes a personal responsibility in-spite of the 100 different hurdles & hardships which will try to prevent the LLL.

EIGHT WAYS FOR LLL

1. Class room learning-join an organised programme & learn
2. Project work / team work - take up a project with team-mates & keep learning as you go along
3. Reading in Library - visit Library frequently & keep reading.
4. Member of a Professional Society - join the group of people who speak the language of your discipline & by listening you get updated.
5. Internet - a good source to-day to get updated.
6. Short Course, Seminar & Conference-by attending Conferences, you listen to new things.
7. Professional Engineering Examination-by appearing for such exam, one is forced to read & learn.
8. Mix learning with a hobby - by taking some technical activity as a hobby you get updated. For example by being an amateur of a radio club (HAM) you learn many new things.

MESSAGE FROM GRANDSON OF OUR FOUNDER

V. Balasubramanian

“Krishna Kripa”

17, Kasturi Rangan Road,
First Cross Street, Alwarpet,
Chennai - 600 018.

Te. : 4992417

My late grandfather was a very keen Idealist and his vision was always for excellence and perfection. I distinctively remember to the minutest detail right from my childhood days, his perfect approach to each and everything he did. On one occasion he categorically ruled out some very important suggestions made by some of his very close friends but he penetrated into their minds his views and thoughts about emancipation of India and especially towards upliftment of the younger generation as future torchbearers. After detailed discussions on the subject unanimously all his friends agreed on his suggestion including late Shri Prakasha, the former Governor of Madras, the great Sanskrit scholar and statesman.

The Great urge he had for education was translated into action and thus MIT was born. Even though he did not have much of formal education he clearly understood the absolute necessity of creating our own engineering base by way of creation of excellent engineers. Thus he made his eldest and youngest sons study engineering. His second son who was trained in military academy at Dehra Dun, later on took charge of his business and also was, the Chairman of the MIT governing council until his demise in 1986.

The ambition he had in furthering various avenues of business coupled with engineering backup which he created by way of his own business and as well as MIT has got a long way in fulfilling his ambitions tuned towards self-reliant India. I openly see this approach that has started in fulfillment and development of the engineering setup that our great country requires.

In this connection, the great service, the graduates have done as engineers to this country can be seen from the various important and vital positions they occupy both in government and private sectors, both in India and as well as in foreign countries.

I had been closely watching MITMAG (the annual magazine) every year, the various different types of articles that had been published year after year gives a very clear picture about the MIT and it's various activities. I wish MITMAG all success in the endeavours. I am sure MITMAG will rise to much more loftier goals and heights and bring out more about MIT and it's various activities both in the field of education and as well as in other cultural fields and stand itself as a unique magazine. As MITians I am sure that everyone look forward to this publication of MITMAG by which a very telescopic view about the various activities of the institute will be known to the public.

MIT is celebrating it's golden jubilee. It has embarked to build a commemorative golden jubilee building in the campus. In this connection I would be failing in my duty if I do not acknowledge the great and sincere efforts that the staff of MIT and especially alumni association are putting in making the golden jubilee celebration a grand success.

I would like to ensure every one of you that I would not spare any efforts to make the MIT and golden jubilee celebrations a grand success. I only sincerely pray to almighty that my late grandfather's vision of seeing this institute developing into a great educational setup in this part of the world and serve the development of this country as a great technological institute, may come true. I wish MITMAG all success.

V. Balasubramanian

IMPORTANCE OF CULTIVATING A READING HABIT FOR YOUNG PEOPLE

Dr. Prema Srinivasan

(Granddaughter of our founder Shri. C. Rajam)

If mastery of language is a basic prerequisite for shared human activity we all desire for the young in their individual and social lives, then a strong reading habit needs to be inculcated in their early years to make such a mastery possible. In the recent years the reading habit has been somewhat in jeopardy owing to the pervasive effects of the electronic media. However, the advantages of reading over and above other forms of entertainment need to be pointed out time and again in order to bring books and young people together as it used to be a generation ago.

Most of us belonging to the old guard still have faith in the ability of the book to keep going. John Rowe Townsend, writer of children's books argues "Films and the television with their millions of viewers inevitably offer less variety than books; they and the new media arising out of them, are always likely to have much greater initial production costs and must be dependent on a high degree of general acceptability. They cannot afford to use much material which, though excellent has limited appeal unlike a film or a television program a book is open, unfinished: the child completes it in his or her mind. The read book is a collaboration between writer and reader".

Having clearly made out a strong case for reading as against passive viewing we need to show that there are definite advantages resulting from a well established reading habit. Apart from helping to surmount reading problems or providing educational value, books help the young people to adjust to their peer group and family. This may be termed as the psychological or the therapeutic value resulting from reading good classics. Even desultory reading helps the reader to achieve the right attitude towards race, class and sex. The content of the books themselves needs to be closely monitored by the discerning adult, be it parent or teacher. The acquisition of skills including the ability to read becomes devalued when what one has learned to read adds nothing to the importance of one's life. If reading is going to be enriching process, the reading lists need to be carefully selected by the adult intermediary. Abstract ethical concepts may not help as much as tangible concrete examples given in simple, basic story books read to the children in school rooms. The German poet Schiller wrote "Deeper meaning resides in the fairy tales told to me in childhood than in the truth that is taught by life". The whole passage to adulthood fraught with disappointments, dilemmas and rivalries is made easier by constant exposure to good reading material from which the reader eventually gains a feeling of self-worth and self-esteem.

I PRIZE**YOU KNOW NOW**

One who knows not ...
 Knows not that he knows not ...
 He is a fool - Avoid him.

One who knows not ...
 Knows that he knows not ...
 He is humble - Teach him.

One who knows ...
 Knows not that he knows...
 He is asleep - Awake him.

One who Knows ...
 Knows that he Knows
 He is your MASTER - Follow him.

K. GOPALAKRISHNAN
 Final B.Tech. RT

FRONT PAGE DESIGN*By***S. RAGURAMAN****971527****Final P.T.****Prize Winner**

II PRIZE**CHECK IT OUT****GENERAL EQUATIONS & STATISTICS**

A woman worries about the future until she gets a husband.
A man never worries about the future until he gets a wife.
A successful man is one who makes more money than his wife can spend.
A successful woman is one who can find such a man.

POSTULATES

To be happy with a man, you must understand him a lot and love him a little.
To be happy with a woman, you must love her a lot and try not to understand her at all.
Married men live longer than single men, but married men are a lot more willing to die.
Any married man should forget his mistakes, there's no use in two people remembering the same thing.
A woman marries a man expecting he will change, but he doesn't.
A man marries a woman expecting that she won't change, and she does.
A woman has the last word in any argument.
Anything a man says after that is the beginning of a new argument.
There are 2 times when a man doesn't understand a woman - before marriage and after marriage.

R.KARTHIK
982214
III - Elex.



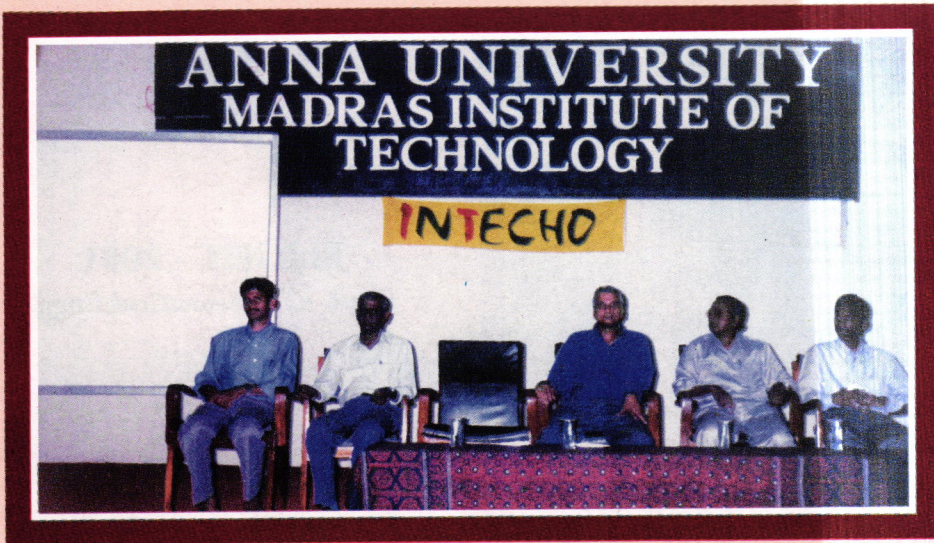
FLIGHT - 2001
Dept. of Aeronautical Engg.

AUTOMEET - 2001
Dept. of Automobile Engg.



ELECTROFOCUS - 2001
Dept. of Electronics Engg.





INTECHO - 2001
Dept. of Instrumentation Engg.



EXPRO - 2001
Dept. of Production Tech.



ELASTOFEZ - 2001
Division of Rubber Tech.

சரிபாட்டு

நகராட்சி யுகிட்டு வகுப்பில் வட்டி

III PRIZETHE GUJARAT NIGHTMARE

Still the day I heard
Of India in ruins
When the plains moved
And left so many lifeless
And homeless
Haunts my thought and soul
It frightens my wit
And leaves me numb and cold.

The news of humanitarian gestures
From all over the world
Raised my hopes
But to think that such a huge disaster
Is mainly due to the callousness of a few
Money-minded cannibals
Is disheartening.

Yet the thought that God has given
Another day to live
Has made life a precious one
Let us live the life
Loving, serving, giving
Our body, soul and heart
For the betterment of mankind
With a renewed commitment to life.

M. NISHANT

I B.Tech Auto

முதல் பரிசு

இடம் பெயரும் இந்திய தூண்கள்



முன்னுரை :

"இந்திய நாடு என் நாடு இந்தியர் என்பது என் பேரு"

என்ற பாடல் வரிகள் கேட்பதற்கு இனிமையாய் இருந்தாலும், நாம் இன்றைய சூழ்நிலையில் இந்தியராய் நம் நாட்டின் மீது பற்று கொண்டவராய் இருக்கின்றோமா? இல்லை.

"இளைஞர்கள் வருங்கால இந்தியாவின் தூண்கள்"

என்று தேசியத் தலைவர்கள் கூறி சென்றுள்ளார்கள். இதை நாம் சீர் தூக்கி பார்க்கையில் இதில் பல உண்மைகளும், வெட்கி தலைகுனிய வேண்டிய பல பதில்களும் உண்டு.

இந்தியரின் நாட்டுப்பற்று

இங்கு ஒவ்வொருவருக்கும் தங்கள் குடும்பம், தன் வீடு பற்றிய சிந்தனை மட்டுமே, நாட்டைப் பற்றி சிந்திக்க இவர்களுக்கு ஏது நேரம்...

"வீடு வரை உறவு, வீதி வரை மனைவி, காடுவரை பிள்ளை, கடைசி வரை யாரோ"

என்று பாடி விரக்தியடையும் மனிதர்கள்

இடம் பெயர காரணங்கள் :

இந்தியாவை விட்டு வெளிநாடு செல்ல முக்கிய காரணங்களாக கூறுபவை

- (1) வேலையில்லா திண்டாட்டம்
- (2) என் படிப்பிற்கு ஏற்ற வேலை கிடைப்பதில்லை
- (3) என் வேலைக்கு ஏற்ற ஊதியம் கிடையாது.
- (4) வசதி வாய்ப்புகள் இல்லாமை

என்று பலரும் கூறுகிறார்கள். இதை நான் ஏற்றுக் கொள்ள தயாராக இல்லை. எடுத்துக்காட்டாக நமது வீட்டில் பிரச்சனை என்றால் நாம்தான் சரி செய்ய வேண்டும். அதைவிடுத்து அடுத்தவர் வீட்டில் தஞ்சம் புகுவது என்பது அநாகரிக செயலாகும்.

"பெற்ற தாயை விடுத்து யாரோ ஒருத்தியை பணத்திற்காக தாய்" என்று கூறுவது போல் தான் இவர்களின் செயல்கள் காணப்படுகின்றன.

"என்ன வளம் இல்லை இந்த திருநாட்டில்
என் கையை ஏந்த வேண்டும் வெளிநாட்டில்
ஒழுங்காக பாடுபடு வயல்காட்டில்
உயரும் உன் மதிப்பு அயல்நாட்டில்"

என்று ஒரு கவிஞன் கூறியது தான் என்னுடைய நினைவுக்கு வருகின்றன. இயற்கை எழில் கொஞ்சம் சொர்க்க பூமியாக நம் நாடு திகழ்ந்தாலும், இயற்கை அன்னை நமக்கு வேண்டிய செல்வங்களை அளித்திருந்தாலும், நாம் அதனை சரியாக பயன்படுத்தவில்லை என்று தான் கூற வேண்டும். பணத்திற்காக ஓடும் இவர்களுக்கு நாட்டுப்பற்று எப்படி வரும்

"பணக்காரன் பணக்காரனாகவே வாழ்கிறான் ஏழை ஏழையாகவே சாகிறான்."

என்ற நிலைமையில் இந்திய பொருளாதாரம்

"பணம் என்பதை நீ ஆள வேண்டும். அது உன்னை ஆளக்கூடாது
அப்படி பணம் உன்னை ஆளுமேயானால் உன்னை மீட்க யாராலும் முடியாது"

என்பதை ஏன் மறந்து போனார்கள்? இங்கு வேலை செய்தால் வசதி இல்லை, புகழ், வாய்ப்பு இல்லை என்று புலம்புபவர்களுக்கு நான் கூறுவது,

"வேப்பமர உச்சியில் நின்று - பேய் ஒண்ணு ஆடுதுன்னு விளையாட போகும் போது சொல்லி
வைப்பாங்க அதை விளையாட்டாய் கூட நீயும் நம்பி விடாதே"

என்கிற கவிதை தான்.

கொடுமை நிலை :

இங்கு இருக்கும் இயற்கை செல்வத்தை அமெரிக்கரும், ஜப்பானியரும் கண்டுபிடித்து அதை பொருளாதார ரீதியாக தன் வயப்படுத்திக் கொள்கிறார்கள். ஆனால் நாமோ, இங்கே பிறந்து வளர்ந்து அது தெரிந்தாலும் நான் படித்துவிட்டு வெளிநாட்டிற்கு செல்ல போகிறேன் என்ற எண்ணத்தில், இதை ஒரு தங்கும் விடுதியாக கருதும் இளைஞர்கள் இருக்கும்போது ஒரு போதும் நாம் எந்த துறையிலும் முன்னேற முடியாது.

"நாறு இளைஞர்கள் என்னுடன் வந்தால் போதும்
உலகத்தையே நம் பக்கமாக்கி காட்டுகிறேன்"

என்று சுவாமி விவேகானந்தர் நம்மைப் பார்த்து கூறினார். உண்மைதான்

இளைஞர்கள் வருங்கால இந்தியாவின் சிற்பிகள்

என்று நேரு கூறினார்.

ஆனால் தற்போது உள்ள அந்நிய மோகம் பிடித்து அலைந்தோம் என்றால் இவர்களின் கூற்று பொய்யாகி விடும்.

இளைஞர்கள் கல்வியை பெற உதவும் பணம் இந்திய நாட்டின் பணம். ஆனால் அதன் பயனை அனுபவிப்பது மற்றொரு நாடு, என்ன ஒரு கொடுமை!

அமெரிக்காவில் நடத்தப்பட்ட ஒரு ஆய்வில் நம் நாட்டை சேர்ந்தவர்களின் விழுக்காடு :-

மருத்துவர்கள்	-	28 சதவிகிதம்
பொறியாளர்கள்	-	24 சதவிகிதம்
பேராசிரியர்கள்	-	20 சதவிகிதம்
இதர உறுப்பினர்கள்	-	18 சதவிகிதம்

என்று அங்குள்ள மக்களில் கால்பங்கு நம் நாட்டை சேர்ந்த மக்கள் தான்.

பிரபல "மைக்ரோ சாப்ட்வேர்" அதிபர் "பில்கேட்ஸ்" இந்தியர்கள் என்னுடைய நிறுவனத்தில் இருந்து சென்றுவிட்டால் என் வருமானத்தில் 70 சதவிகிதம் குறைந்து விடும் என்கிறார்.

புகழ்பெற்ற "நாசா" விண்வெளி ஆராய்ச்சி நிலையத்தில் பணிபுரியும் 25 சதவிகித பொறியாளர்கள் நம் நாட்டை சேர்ந்தவர்கள்.

இளைஞர்களே விழித்தெழுங்கள் :

எந்த ஒரு ஜப்பானியரோ, அமெரிக்கரோ, ஜெர்மானியரோ எனக்கு வேலை வேண்டும் என்று நம் நாட்டிற்கு வருகிறார்களா?

நாம் பிறநாட்டிற்கு வேலைக்கு செல்வதை பெருமையாக கருதுகிறோம். நாம் பாசத்துடன் வாழ்கிறேன் என்று சொல்வதை விட நான் அமெரிக்காவில் வாழ்கிறேன் என்று கூறுவது நமக்கு பெருமையாக கருதுகிறோம். ஏனென்றால் அமெரிக்கா மாப்பிள்ளை என்றால் நிறைய பொன்னும், பொருளும் கொடுத்து பெண்ணை கல்யாண சந்தையில் விற்க பல தந்தையர்கள் முன் வருகிறார்கள். நாகரீகம் என்ற போர்வையில், தன்னையும் தன் நாட்டையும் இழிவு படுத்துகிறார்கள்.

இங்குள்ள இயற்கை வளத்திற்கும் மனித வளத்திற்கும் நாம் உலகத்தின் தலைசிறந்த நாடாக விளங்க வேண்டும். ஆனால் நாட்டின் மனித வளம் தெரியாமலேயே சிறிது, சிறிதாக இடம் பெயர்ந்து கொண்டிருக்கிறது. இதை தடுக்க சட்டங்களால் முடியாது ஒவ்வொரு இளைஞர் மனதிலும் "நம்நாடு, நம் மக்கள்" என்ற தேசப்பற்று ஊற்றெடுக்க வேண்டும். இந்நிலைக்கு முக்கிய காரணம் இந்நாட்டின் அரசியல் அமைப்பு, அரசியல் நிலை என்று கூறுகிறோம். நாம் நினைத்தால் ஒரு புதிய அரசியல் சட்டத்தை உருவாக்க முடியும். எனவே ஒரு "புதிய இந்திய புரட்சிக்கு" தயாராகுங்கள். வருங்கால தூண்களே விழித்தெழுங்கள்.

"பிறந்த வீடு ஏழ்மையால் இருப்பதனால் வீட்டை விட்டு ஓடிவிடுவது சரியில்லை மாறாக அந்த வீட்டை மற்றவர் மெச்சும்படியாக உயர்த்த வேண்டியது உன் கடமை"

தாய் ஏழையாக இருக்கலாம். அவளை விட்டு ஓடினால் நீ ஒரு மகன் கிடையாது ஏன் மனிதனே கிடையாது.

**"வெள்ளத்தனையது மலர்நீட்டம் - மாந்தர்தம்
உள்ளத்தனையது உயர்வு"**

என்ற குறளுக்கேற்ப ஊக்கமும், முயற்சியும் இருந்தால் நிச்சயம் நீ வாழ்வில் எங்கிருந்தாலும் முன்னேறலாம்.

முடிவுரை :

உட்பயா

பிறக்கும் ஒவ்வொரு மனிதனுக்கும் தன் வரலாறு தெரிந்திருக்க வேண்டும் அதைவிட முக்கியம் அவன் பிறந்த தாய்நாட்டின் வரலாறு தெரிந்திருக்க வேண்டும். "அந்திய மோகம் தேடிச்செல்லும் இளைஞர்களே நீங்கள் நினைத்தால் நம்நாட்டின் சிறப்பை இங்கேயே உருவாக்க முடியாதா? என்ன

**இந்தியனே நாட்டுப்பற்றை உன் உயிர்முச்சாக சுவாசி தேசிய கொடியை
உன் உடமையாக்கிக் கொள் தலைவர்களின் வாழ்க்கையை பாடமாக்கிக்கொள்
அதில் தெரியும் சுகமே தனி"**

உறுதி இருந்தால் அனைத்து தடைகளும் தகர்ந்து போகும்.

நாம் ஒன்று சேருவோம்

அந்திய மோகத்தை விடுவோம்

ஒன்றுபட்டு உலகத்தின் "மிகப்பெரிய வல்லரசாக"

இந்தியாவை உருவாக்குவோம்.

ஜெய்ஹிந்த்

- வி. சூரி ராஜா

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இறுதியாண்டு உற்பத்தியியல் துறை



சுராஜ்
சென்னை, T.M

இரண்டாவது பரிசு

எய்ட்ஸ்

காலம் செல்லச் செல்ல

காலண்டர் மெலிவது போல்

காலமாகின்றதே என்னுடல் அது ஏன்... ?

பழக்குவியல்களிலிருந்து

அழுகியவற்றைப்

பிரித்தெடுத்து வீசுவதைப் போல்

என்னை சமுதாயத்திலிருந்து

பிரித்து விட்டதாய்க்

கதறுகின்றேனே அது ஏன்... ?

மரங்களுக்கு இலையுதிர்க்

காலம் போல் என்

உடல் உறுப்புக்கு மெலிவடை

காலம் வந்துவிட்டதே அது ஏன்... ?

என்று ...

என் உடல் குழாய்களால்

உதிரத்துக்குப் பதில்

ஆசையை ஓட விட்டேனோ ...

... அன்றே

தொட்டவுடன் சுருங்கிவிடும்

தொட்டாச் சுருங்கிபோல்

என்னுடலில் சுருக்கம் கண்டேன்

ஆம் ...

அன்று

முற்றிலும் நனைந்துவிட்ட

சிட்டுக் குருவி தன் இறக்கை

காய்ந்தவுடன் முதன்முதலில்

பறக்கையில் எவ்வளவு

ஆனந்தப்படுமே

அவ்வளவு ஆனந்தம் கிடைத்துள்ளது

ஆனால் ...

இன்று

நிறைமாத கர்ப்பிணிப்

பெண்ணின் பிரசவ

வலியைப் போலள்ளவோ

கதறுகின்றேன் எதனால் ?

சிந்தியுங்கள்

ஒரு சில நிமிடங்கள் தான்

பல யுகங்களாய் ...

... மாறக் கூடியது

ஆம் ...

விழிக்குப் பார்வையும்

மொழிக்கு நளினமும்

எவ்வளவு இன்றியமையாததோ

அவ்வளவு கட்டுப்பாடு

மனிதனுக்கு மிகவும் அவசியமானது!

தென்னரசு. D

M.E., ஏரோனடிக்ஸ்

II PRIZE

வெண்ணை திருடன்,
என்ன திருட
இங்கு வந்தான் ?



B. BALAMURUGAN
982401

D.K. VIJAYA BHASKAR
992534
II PT

III PRIZE



D.K. ANJAY BHASKAR
452594
11/1

B. BALAMURUGAN
982401

THE PLACE OF ENGLISH IN UNIVERSITY EDUCATION

G. Subramanian, Prof & Head, Dept. of English

The place of English in University Curriculum as obtained at present leaves no room for any serious remorse or regret. Theoretically. But in practice, there is an ever widening gap between what is ambitiously targetted by the planners and what is discouragingly realized in classrooms. Though a gap is normally there at the executional level in all human endeavors, it assumes an extra dimension when it occurs in centres of higher education which are supposed to pave the way for the development of human resources.

It is only on the other day that the Vice Chancellor of Bharathidasan University mourned over the appealingly low percentage of passes in English, Particularly among students coming from rural areas. 'Even students with brilliant academic records, 'he said, 'fail miserably while facing viva voce or competitive examinations because of their poor communication skills in English'. Nearly ten years ago, presiding over the Golden Jubilee Celebrations of the Indian Association for English Studies, Prof. S.K. Desai observed quite pertinently at the Thirty Ninth Session of the All India English Teachers' Conference Even after six years of English at the Secondary Level of Education, most students - 80 to 90 percent of them are far below the stipulated minimum standard'. Another two years of English at the Collegiate level does not at all improve the situation. He confesses, 'Nothing really happens, nothing positive, at the tertiary level in spite of the so-called attempts to teach language through literature'. Coming as it does from a veteran English teacher, we cannot but accept the reality of the prevailing unenviable situation.

Once we have realized the gravity of the issue on hand, all that we need initially is a soul-searching and the resultant preparedness to call a spade a spade. Without mincing words, without taking recourse to what George Orwell would call 'long winced vague phrases' we should honestly confess that we fail miserably in our classrooms over and over again and it has been the same story for the past fifty long years and we see only the tunnel, and not any light at any point, not even a glimmer. Of course, there are exceptions. Students coming from English-Medium schools in urban areas are relatively much better off, in their command over the language of English. But, by and large, the standards obtained are poor and remedial steps have to be necessarily initiated, before the situation becomes irreparable.

Remedial Measures :

- (a) The curriculum for Part II English of Degree Courses should be reformulated in such a way that the literary content is scaled down to some reasonable extent, so as to provide enough scope for the acquisition of communication-skills. (It would be of relevance here to point out that Dr. M. Ananthakrishnan, Vice Chairman, Tamil Nadu State Council for Higher Education, has expressed himself favourably in support of the above view vide The Hindu dated. 08-03-1997).

However, it should be borne in mind that language and literature can never be completely severed from each other. To quote Prof. K. Chellappan, 'If language is structure, Literature is texture. Language without literature is blind and literature without language is lame.' Still, there should not be difficulties in shifting the focus from literature to language in the case of all those who do not choose to opt for English as their major subject. Books with carefully graded material such as "Grammar Through Stories" published by Central Institute of English and Foreign Languages may be prescribed for Under-Graduates, in lieu of texts such as those of the relatively more demanding Shakespeare's plays.

It may not be entirely out of place here to make a reference to the alarmingly urgent need for an inculcation of an ethical sense in the minds of the students who seem to stray away in very large numbers from righteousness and truth. As such, an inclusion of an ethical element, in whatever form it may be, in the syllabus for English will be very desirable.

- (b) The student-teacher ratio in class rooms where English is taught under Part II of the Degree Courses should be about 20:1. Only then, a meaningful and healthy interaction between the learners and the teacher would be possible.
- (c) Materials for the teaching of English should be so updated that they suit our socio-cultural needs and democratic aspirations.
- (d) The methodology of teaching English should take into account, wherever possible, the hi-tech facilities such as the Teacher Oriented Televised Education being made available in modern times. The terribly odious practice of dictating essays and encouraging students to cram and reproduce them in examination halls should summarily be curbed at all costs.
- (e) Also, the system of examination in English should be so overhauled that they are the communication - skills that should be tested and not the memory - power of candidates.
- (f) Very often, the student coming to college to college finds it difficult to cope with the demands of the syllabus in English and is rattled initially. Sometimes, he may have to unlearn 'some bad language habits' that he would have learnt in schools. Bridge courses, if conducted regularly, would go a long way in solving such transitional problems.
- (g) Equally important is the need for a total attitudinal change among teachers of English who should be encouraged to put their shoulders to the wheels which appear to be inextricably sunk in mud and mire.

ENGINEERS & DOCTORS TO WORK TOGETHER

One of the most important achievement of the last millennium is the success in getting the first draft of the complete map of the human genome. On June 26, 2000 Scientists from Six Countries, namely UK, USA, France, Germany, Japan & China announced that they had produced a detailed map of the human genome. This is only the end of the beginning of the genome project.

Scientists are still starting to understand the book of human, i.e. the human genome. The functions of most of genes are still unknown. There are about 3 billion chemical units in a DNA. They have been sequenced but the language of coding is still a mystery.

Lot more need to be done in this project. The major task in the start of new millennium is going to be the understanding the secret of genetic coding & decoding.

This project has been made possible because of the Industrial Automation & Instrumentation that are put to use in this project. The task of Biomedical Engineers to give all the Instrumentation & Automation support for completing this project is very critical.

Once this is done, the knowledge of our genetic makeup will herald a revolution in new diagnostic tests & personnel medication.

The ultimate aim of the project would be to know the sequence of the 3 billion chemical units in every cell of the human body.

Micro arrays of the sequence can be used to study the abnormalities of cells in Cancer.

Many of the hereditary diseases may be related to a change in the DNA sequence. This has to be studied & identified.

Then this work can be given to medical experts for further study and innovate remedial measures.

So Scientists, Engineers & Medical Doctors have to put their heads together to understand the book of human and use the knowledge to better the quality of life of our fellow human beings.

- Dr. S.Renganathan,
Dean, M.I.T.



அவனும் அரசனே!

பேராசிரியர் அ. மதியழகன்

இந்த உலகம் அடுத்த உலகம்
இரண்டும் இணைக்கும் பாலம் அவனே!
தாகம் எடுத்த ஆன்மா அனைத்தும்
தண்ணீர் அருந்தும் தாய ஊற்று!
அழகு நதியின் நீரால் வளர்ந்து,
பசித்த இதயம் உண்ண ஏங்கும்
பழங்கள் விளைக்கும் மரமும் அவனே!
இளைத்துச் சேர்ந்த உள்ளம் தேற்ற
இனிய பாடல் இசைக்கும் குயிலே!
அடிவான் தோன்றி எழுந்து வளர்ந்து
விண்ணை நிறைத்து, வாழ்க்கை நிலத்தின்
மலர்களில் வீழ்ந்து இதழ்கள் திறந்து
ஒளியினை உள்ளே செலுத்தும் வெண்முகில்!
இறைவன் அருளுரை கொணர்ந்த தாதன்!
இருளும் காற்றும் வென்ற விளக்கு!
காதல் தேவன் ஊற்றிய நெய்யில்
இன்னிசைத் தேவன் ஏற்றிய விளக்கு!
எளிமை கருணை தனிமை உருவம்!
இயற்கை மடியில் அமர்ந்து எழுச்சியும்
அமைதி இரவில் விழித்துக் காத்து
ஆன்மா சக்தியும் பெறுவான் அவனே!
அன்பு நிலங்களில் அன்னவன் விதைத்த
இதய விதைகள் விளைத்த பயிர்கள்
அறுவடை செய்து செழிப்பது மனிதம்!
வாழ்க்கை முழுதும் அறியப்படாது
மண்ணில் இறந்து விண்ணைச் சேர்ந்தபின்
மதிக்கப்படுகிற கவிஞன் அவனே!

மனிதம் நோக்கிப் பன்னகை அன்றி
வேறெதும் வேண்டா கவிஞன் அவனே!
ஆன்மா சக்தியின் அழகிய உரையால்
விண்ணகம் நிறைக்கும் கவிஞன் அவனே!
எனினும் மக்கள் அவனொளி மறுப்பர்

எதுவரை மக்கள் உறங்கிக் கிடப்பர்?
நேரப்பயனால் உயர்ந்த மனிதரை
எதுவரை மக்கள் போற்றிப் புகழ்வார்?
ஆன்மா அழகு காணவைத் தோரை
எதுவரை மக்கள் அலட்சியம் செய்வர்?

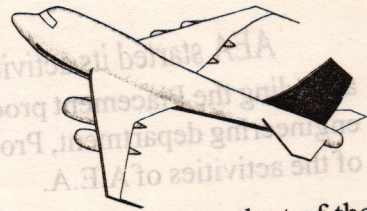
அறியா மக்களை ஒளிவழி நடத்த
மெழுகு வர்த்தியாய்த் தம்மை எரித்து
வாழ்க்கை முழுதும் துயரில் கழித்து
வாழும் மனிதரை அனைவரும் மறந்து
எதுவரை மக்கள் இறந்தோர் போற்றுவர்?

கவிஞா நீயிவ் வாழ்வின் உயிரே!
கடிதாய் இருந்தும் காலம் வென்றாய்!
அனைவர் இதயம் ஒருநாள் ஆள்வாய்!
உனது அரசு முடிவு இலாதது!
கவிஞா நீயுன் முள்முடி நோக்கு
மறைவாய் அதிலொரு வெற்றிமாலை!



கலில் கிப்ரான் கவிதையின் தமிழாக்கம்.

Aeronautical Engineers Association



The activities of the Aeronautical Engineers Association, MIT started in the month of July, 2000. The election of office-bearers for the Association was conducted in the second week of July. The inaugural function of the Association was held in August. Shri B.N. Suresh, Deputy Director Aeronautics Division, VSSC (Trivandrum) was invited to the function as Chief Guest. Mr. Mohammed Arief, a Final Year B.Tech student of the department who was elected as the Chairman of the Association gave the welcome address. The chief guest was introduced the audience by Dr. B.T.N. Sridhar, the staff-in-charge of the association. Mr. Suresh delivered the Chief guest address in which he spoke about Aerospace activities which are under development in VSSC.

As part of Aeronautical Association activities, the department students visited the Indira Gandhi Centre for Atomic Research (IGCAR) Kalpakkam. The students visited all the laboratories in IGCAR. A technical seminar was arranged by staff in IGCAR. In the month of September another industrial visit to Airforce station, Tambaram was arranged by the Association. There the students visited the Hangar and they were taught about the overhauling of Fighter Aircraft. In the month of December the Association arranged an all India Industrial tour for the pre-final year students. The students visited the Aeronautical Establishments in Bangalore, Agra and I.I.T. Delhi. Dr. V. Baskar, Lecturer in the Department accompanied the students.

The Association also organized a 10 day visit to I.I.T. Kanpur for Final Year Students during the end of November. There the students enjoyed flying in Glider, 4 seater and 6 seater aircraft in Flight Laboratories. Dr. B.T.N. Sridhar Lectures in the department accompanied the students.

Many technical lectures and seminars by senior students were organized by the Association during the month of September-November 2000 in the department. Dr. Moghe, Goodrich Aerospace, USA gave a series of Lectures about Advanced composite materials during the month of January-March, 2001.

The "Flight 2001" programme was organized by the Aeronautical Association on 16th March, 2001. Shri S. Rengamani, Regional Manager, Indian Airlines, Chennai was the Chief Guest of the function. Dr. S. Renganathan, Dean of M.I.T. presided over the function. Presentation of technical papers in the morning session and General Quiz in the afternoon session were also organized in the "Flight 2001" programme for the students of M.I.T. and of other colleges in and around Chennai. Two prizes were given to the winners of technical paper contest and the general quiz. On the same day Prof. S.N's 60th Birthday endowment Lecture was also organized. In the Valedictory function Dr. Moghe gave a valuable speech to the students.

It can be said that the Aeronautical Engineers Association, M.I.T. had a very eventful and fruitful academic year during July 2000 – April 2001.

Chairman
Aeronautical Engineers Association

Automobile Engineering Association - Report

AEA started its activities in the month of July 2000 by assisting the students of final year in attending the Placement procedures. Our beloved senior and first batch alumnus of the automobile engineering department, Prof. C.J.G. Chandra, on 8th September 2000, did the formal inauguration of the activities of A.E.A.

A.E.A. commemorated the eight death anniversary of our late Prof. G.C. Garg on 4th October 2000 as "Prof. G.C. Garg memorial day". A guest lecture was arranged in connection with this function. Mr. S. Sridharan, Managing Director, Visual Instrumentation and Software Pvt. Ltd., gave a lecture on "Embedded Systems and Software".

As a token of our love and affection towards our beloved professor, Dr. K.K. Ramalingam, a felicitation programme was arranged on 10th January 2001 on the outcome of his book titled "Internal Combustion Engines".

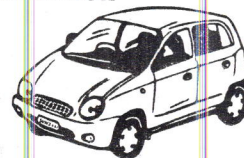
The annual technical celebration of A.E.A. is AUTOMEET. AUTOMEET 2001 was held on 16, 17 and 18th of February, Mr. Mark Critz Managing Director of VISTEON India Ltd. inaugurated it. Apart from technical sessions and lectures, an exhibition of latest vehicles - AUTOEXPO 2001 was organized. The crowning feature of AUTOEXPO 2001 is the Vintage Car parade and exhibition. This had a wide coverage in SUN TV, NDTV, JAYA TV and all leading newspapers.

The weekly sessions of A.E.A. were conducted on every Wednesdays. In these sessions the students were exposed to aptitude tests, group discussions and mock interviews so that they would be able to improve their communication skills and technical knowledge and face the interviews with improved confidence.

Regular visits have been arranged to automotive and production industries in and around Chennai to keep abreast of the latest developments in the field of Automobile Engineering. A training programme was arranged for the pre final year students to Royal Enfield motors on 13, 14 & 15th of March to improve their practical knowledge.

As a part of improving our laboratory facilities we requested for donation of components and the following industries were kind enough to provide us with the latest components.

1. Ford India Limited - IKON CAR
2. Hyundai Motors India Ltd. - Front and Rear axle with Engine and Transmission
3. UCAL Fuel Systems - Carburettors
4. Brakes India Limited - Brakes & Components.
5. Simpsons - Engine Head and Related Components.
6. Rane Engine Valves Limited - Valves



R. Sankara Narayanan
Chairman,
A.E.A.

Electronics Engineers Association

The activities of the EEA started off this year with a discussion on 'Educational System' which was chaired by Dr. Barath Sethuraman, Professor of Mathematics, California State University, USA. This discussion was centered around aspects of education system in the USA and how they differ from those in India. The discussion also targeted at arriving at the aspects that make an ideal Education System. Following this the EEA along with the AU-KBC Centre organized a lecture which was a part of the IEEE invited lecture series. This was highlighted by a tutorial on 'IP Telephony' by Dr. K.K. Ramakrishnan, AT & T Bell labs, USA.

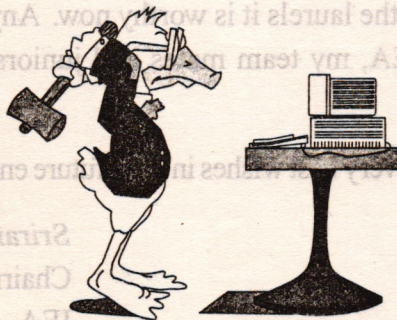
The inauguration of the activities of EEA was formally done on September, 2000. The inaugural function was presided by Dr. Ponavaikko, Director, Tamil Virtual University who delivered his presidential address on the future of I.T. industry.

The biggest event of the EEA was Electrofocus 2001, the annual technical symposium. This was held on the 2nd and 3rd of March, 2001. This year Electrofocus was sponsored by Real Chip Communications Limited, Wescare India Limited, Axes Technologies and SCM Microsystems. The inaugural function was presided by Dr. K. Ramachandra Kini, Program Director, SAMEER, Chennai and keynote lecture on EMI/EMC was also delivered. The highlight of Electrofocus 2001 was a lecture on 'Asil Design Methodologies' by Mr. P.S. Sriram, from Real Chip Communications Limited, Chennai. Other events that were conducted include, Hardware and Software design contests, technical quiz and paper presentation contest. The valedictory function was presided by Dr. S. Kaliyugavaradhan, HoD, Department of Electronics and gave away prizes to the winners of various contest. Apart from these activities, the EEA along with the Athenaeum organized monthly campus cleaning programs throughout the year.

Yogendhar K

Chairman

EEA



Instrumentation Engineers Association

A year of hectic activity and unqualified enjoyment has just passed by, yet those nostalgic moments linger. Moments redolent of our sedulouseffect and deserving triumph. The events for the season were fagged off by Mr. V. Nagendran, Chairman Nagman Group of Companies. Through the course of the year we had a lots of lectures delivered to us by our distinguished alumni and members of the Instrumentation society. To mention a few, a lecture by Mr. Sridhar from IDEA Limited on the 'Implementation of a project in Instrumentation' and an enlightening lecture on 'Distributed control system by Dr.Ranganath Muthu. There was also an inspiring lecture given by Saravanan, alumni of MIT settled in Singapore on the 'Scope of Instrumentation field'. IEA organized many Industrial Visit as it was incumbant on us and I hope we excelled in our endeavour. By the month of January we had geared ourselves for the culmination of IEA's activities – "INTECHO – 2001". Right from the day of inception of IEA in to the Instrumentation fold of MIT, INTECHO has been the premier event for exhibition of student talent in the instrumentation realm and this year's INTECHO was none the less ordinary from its predecessors. To add to it's merit INTECHO 2001 was inaugurated by Dr. Anandakumar, Vice-Chancellor of Tamilnadu Dr. M.G.R. Medical University.

Prior to the inauguration of INTECHO, a technical as well as cultural get-together among the students of some of forerunners in Instrumentation in chennai was organized by the IEA south India section. In this get-together, students were fortunate enough to be a part of the seminar on "Embedded Systems" by Mr. Sridharan. Coming back to INTECHO 2001, it was a runaway success right from the word go and we were enthused by the overwhelming response from other institutions to these event. On the second day of the meet Mr.Sharad Moghe, a Aeronautical consultant who has been in connection with the university of Minnessotta delivered a seminar on "Composite Materials" which proved to be greatly useful for the student folks. The two day technical and cultural extravaganza ended on a happy note with Mr. C.L. Narayana Pillai, Chairman Wintech Instruments India Private Limited and Mr. Palanisamy jointly presiding over the valedictory function.

At this point of time, I would like to express my gratitude to Dr. P.Lakshmi, President IEA, and our beloved staff members whom IEA would be benefit of all the laurels it is worthy now. Any attempt by me, to indicate the efforts of the office bearers of IEA, my team mates and juniors towards INTECHO-2001 would be in vain.

I take this opportunity to wish all my juniors on behalf of IEA very best wishes in their future endeavours.

Sriram. S
Chairman
IEA

THE ASSOCIATION OF PRODUCTION ENGINEERS

They say that "WELL BEGUN IS HALF THE WORK DONE". Consequently our workload for the latterhalf of the year was significantly reduced. Courtesy a commandable inaugural function which coincided with the Prof. M.S. SELVAM MEMORIAL LECTURE serving as an icing to the cake.

The inaugural function was flagged off by Mr. N. Sabapathy, Director, IRTT, Taramani on 25th September 2000. The Prof. M.S. Selvam Memorial Lecture was delivered by Dr. V. Jayabalan, Head, Manufacturing Division, CEG, who spoke to us on "QA in Indian Industries." Two scholarships on merit cum means basis (Rs.1,000/- each) were awarded to two needy students from II and III year B.Tech – Production engineering classes from the Prof. M.S. Selvam Memorial Fund.

As part and parcel of our annual activities, TAPE organized placement and personality oriented activities such as Aptitude tests, Group discussions, Mock Interviews for the student members. Apart from this, as is incumbent upon us, we helped in organizing industrial visits and I hope we excelled in our endeavour.

Right from the day of inception of TAPE into the production fold of M.I.T., the annual event TAPE MEET has been the premier event for exhibition of student talent in the production realm and this year's EXPRO (Excellence Through Production) was none the less ordinary from its predecessors. EXPRO 2001 was inaugurated by Mr. J.Srinivasan, former M.D. Ennore Foundries and presently a Management consultant. Thanks to participation from companies like Addison Tools, SAIL, SANDVIK, EXPRO 2001 was a run away success. The very fact that EXPRO received 52 papers from colleges all over Tamil Nadu and a handful from other states speaks volumes for its success. The valedictory address by Mr. Ravikumar Stephen, Manager – H.R. Alstom followed by the Alumni Meet, a get together with alumni of the department saw the culmination to this two day technical and cultural extravaganza. A souvenir comprising the abstract of the selected papers was brought out for EXPRO 2001.

Just as they say "All Good Things, Must come to an End" so did another glorious chapter of TAPE activities for the academic year 2000-2001.



J. Mahesh
Secretary
TAPE

ART

I have great pleasure in giving a brief account of ART's annual report for the academic year 2000-2001.

Association of Rubber Technologists, rightly called ART, a technical forum of Rubber Technology students of M.I.T., Anna University, started in 1989, established by first batch students, holding its objectives to produce efficient rubber technology graduates to serve the industries and the nation. ART also provides opportunities for development of co-curricular and extra curricular activities of student.

The ART activities were inaugurated by Mr. K.N. Kumar of Hi-Tech Carbon on 6th September, 2000. The first event of this year began with the welcome party to the freshers of our division.

A technical seminar on "Entrepreneurial Opportunities in Rubber Industries" was conducted by our beloved staff. Dr. V. Subramanian. We were able to gain various useful points from the seminar.

During the middle of February ART conducted a guest Lecture on "Prototype Development" which was given by Dr. Narayanan from AAKASH ELASTOMERS. The students were benefited by this valuable lecture.

ELASTOFEZ 2001, a National Level Technical Symposium was conducted by ART on 16th and 17th March 2001. In connection with this ELASTOMAG 2001 was published.

An important event to be cherished would be our Alumni meet on 17th March evening. This get-together was really useful, Alumni views and their industrial experience were shared.

On 20th March our beloved staff Dr. B. Kothandaraman conducted a seminar on "Total Quality Management in Rubber Industry". It was a very useful one and we get lot of information from that seminar. All of our endeavours were successful, only because of the support rendered by our students, faculty members and friends. I dedicate this success to our students and staff.

S.Selvakumar
Secretary
ART

2001 MIMMAG

ATTENTION IS THE KEY TO THE BUSINESS SUCCESS

Dr. S. Renganathan,
Dean, M.I. T.

To-day the world is highly competitive. The market is opened to global players. The advanced information flow through Internet & Media, has opened up a window to every hamlet through which people can see the availability of products, place, price etc. Therefore, they can select the best. But what is going to attract them or retain them & recommend to others is - (i) the quality of the product, (ii) the customer service support & (iii.) the way in which they are treated or dealt with.

To-day with the advent of automation & networking of service personals, the first two can be taken care of. The third aspect is to be taken up by the Managers and Personal Relationship Officers.

That is where a business organisation should concentrate to-day. So the Managers, Personal Relationship Officers, Managing Directors & Chairmen should be habituated or trained to care for their customers. Some tips & quotes to give importance to customers relationship, which may be kept in mind by Business Executives, Business School Professors and Trainers.

1] Make your customer number one, then they'll make you number one.

Companies with a tradition of success have always put the customer first. Domino's Pizza started some delivery in the fast-food business because they wanted to make life easier for the customer. Disneyworld and Disneyland call their customers "guests". Microage calls their customers "clients".

2] The customer is our employer.

"There is only one boss. The customer. And he can fire everybody in the company from the chairman on down, simply by spending his money somewhere else."

Sam Walton, Founder, Wal-Mart

3] Never stop trying to satisfy the customer.

Customers are like Oscar Wilde, who said, "I have the simplest of taste. I'm easily satisfied with the best".

Treating customers as if they were one in a million pays big dividends.

Remember the IBM commercial that said, "If your failure rate is one in a million, what do you tell that one customer?" The ad closed with the line, "At IBM we treat every customer as if he or she

is one in a million.”

Treating customers as if they were one in a million has been the key to success in other companies, like McDonald's, Disney, and Domino's Pizza.

John Wanamaker

4] “When a customer enters my store, forget me, He is king”.

John Wanamaker

5] The Ten Commandments of Good Business.

Customers are –

1. the most important people in any business.
2. not dependent on us - we are dependent on them.
3. not interruptions of our work - they are the purpose of it.
4. doing us favours when they call - we are not doing them favours by serving them.
5. part of our business - they are not outsiders.
6. not cold statistics - they are flesh - and - blood human beings with feelings and emotions like our own.
7. not someone with whom to match wits.
8. people who bring us their wants - it is our job to fill those wants.
9. deserving of the most courteous and attentive treatment we can give them.
10. the lifeblood of this and every other business.

6] How do you satisfy the customer?

Chrysler once ran a full-page ad in the Wall Street Journal with a big picture of Lee Iacocca. On top of the ad were these words: “There's no great mystery to satisfying your customer. Build them a quality product and treat them with respect. It's that simple”.

Statistics prove that employees treat customers the way their employer treats them.

Remember, you can't give something you don't have any more than you can come back from someplace you haven't been. Treat employees with respect and they're more likely to treat the customer the same way.

வயது திரை

WAR - AN OLD STORY

PEACE-THE HOPEFUL DREAM



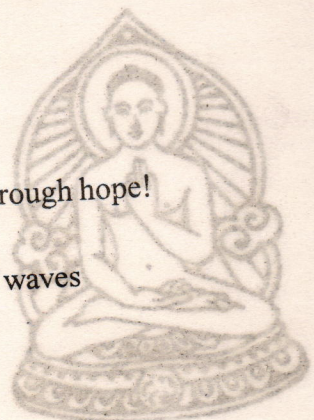
As my mind recalled that solemn night,
A contrast and contempt of serene delight,
As I saw the glories of peace fade,
From sunshine to shade, shattered in a grave.

Oh! Heaven grant me, need I give a serious thought
To a time I feared to see
"WAR", nations fought by nations to be great and free
To "WAR", a cowardly escape from the gentle thorns of peace.

The tales of victory and valour revealed
Bloodshed, death, apathy and agony!
A memory of Anguish and Misery that never should be
with masses dead and children benumbed to death seen.

People with no food, blanket and lost health
retreated as night approached with her deadly shades,
Invited by a saddistic Devil
Oh! The greatest misfortune of Mankind.

I know not which way I must look
And seek peace through love, through faith, through hope!
When shall we witness the silent spectacle
When shall life be refashioned to the music of waves
When shall the heart with content fill
To dance to the sway of a summer Daffodil.



ANAND JEETH

மனித நேயம்

புத்தனுக்கு பொக்ரான் வைத்தோம்
காந்திஜியைக் கண்டபடி சுட்டோம்
குஜராத்தில் குடும்பத்தையே கொளுத்தினோம்
கோவையில் கொடுமைகள் செய்தோம்
மதம் தானே காரணம் ?



மதம் பிடித்த யானையை மடக்குகின்றோம்
மனித மத வெறியை மறக்கமாட்டோமா ?
அன்னிய நாட்டு வேலைக்கு அலைவோம்
அவர்கள் காலடியில் வீழ்ந்தாலும் வீழ்வேம் : ஆணால்
நம் சகோதரர்களுடன் உறவாட மாட்டோம் ?

மருத்துவரை அணுகுவோம், அவர் யார் என்ன
மதம் சாதி என்று கேட்டா மருத்துவம்
செய்து கொள்கின்றோம் ?
எப்பொழுதும் எங்கும் எதிலும் வராத
மத சாதி வெறி எங்கிருந்து வருகின்றது ?



இறந்த கால இரண்டாவது தலைமுறை
தெரியுமா நமக்கு ? நிகழ்கால சந்ததி நாம்
எதிர்கால சந்ததிகளுக்கு சொல்லிக்
கொடுக்கும் பாடம் பாதை இதுதானா ?

மனிதர்களாய்ப் பிறந்த நாம்
மனிதர்களாகவே
வாழ்வோம், வளர்வோம்
மத நேயம் தூற்றுமோம்
மனித நேயம் போற்றுமோம்

சி. குணசேகரன்
ரப்பர் தொழில் நுட்பத்துறை

CLUSTER COMPUTING

Cluster is a collection of workstations or personal computers that are interconnected via some network technology.

The components of cluster computing includes:

Computers (PC's), Operating System, Linux (UNIX or Windows NT), Networks/Switches, Network Interface Card (NIC), Protocols and services (TCP/IP and UDP), Parallel Programming Environment Tools (Parallel Virtual Machine (PVM) and Message Passing Interface (MPI)) and Application (Sequential and Parallel/Distributed).

Clusters are classified into many categories based on various factors as indicated below:

1. **Application target**
High Performance Cluster and High Availability Cluster.
2. **Node ownership**
 - A. **Dedicated cluster:** Dedicated cluster, a particular individual does not own a workstation; the resources are shared to all the nodes. So that parallel computing can be performed across the entire cluster.
 - B. **Non dedicated cluster:** Non dedicated cluster is, where individuals own workstations and applications are executed.
3. **Node Hardware**
Clusters of PC's, Clusters of workstations and Clusters of SMPs (Symmetric Multiprocessors).
4. **Node configuration**
 - A. **Homogeneous clusters:** All nodes will have similar architecture and run the same operating system.
 - B. **Heterogeneous clusters:** All nodes will have different architecture and run different operating system.
5. **Levels of clustering**
Group clusters (more than two systems), Organizational clusters, WAN model and Internet based clusters.

PARALLEL VIRTUAL MACHINE (PVM)

Parallel Virtual Machine enables a collection of different computer systems to be viewed as a single parallel virtual machine. PVM is a software application that enables you to turn TCP/IP networked computers into a single virtual machine in order to run parallel programming. PVM is free software, which provides the capability for using a number of networked (TCP/IP) machines as a parallel virtual machine to perform tasks for which parallelism is advantageous. PVM was developed by Oak Ridge National Laboratory in conjunction with several universities, principal among them being the University of Tennessee at Knoxville and Emory University. The original intent was to facilitate high performance scientific computing by exploiting parallelism whenever possible. By utilizing existing heterogeneous networks (Unix at first) and existing software languages (FORTRAN, C and C++), there was no cost for new hardware and the costs for design and implementation were minimized.

PVM consists of a (heterogeneous) mix of machines on the network, one being the "master" host and the rest being "worker" or "slave" hosts. These various hosts communicate by message passing. The PVM is started at the command line of the master which in turn can spawn workers to achieve the desired configuration of hosts for the PVM. This configuration can be established initially via a configuration file. Alternatively, the virtual machine can be configured from the PVM command line (master's console) or during run time from within the application program.

The Grand Challenge Problem or any large task, suitable for parallelization, is divided into modules to be spawned by the master and distributed as appropriate among the workers. PVM consists of two software components: A resident daemon (**pvmd**) and PVM library (**libpvm**). These must be available on each machine that is a part of the virtual machine.

- **Pvmd**, is the message-passing interface between the application program on each local machine and the network connecting it to the rest of the PVM.
- **Libpvm** provides the local application program with the necessary message-passing functionality, so that it can communicate with the other hosts.

These library calls trigger corresponding activity by the local **pvmd** that deals with the details of transmitting the message. The message is intercepted by the local **pvmd** of the target node and made available to that machine's application module via the related library call from within that program.

Cluster Computing have been tried several paradigms including shared memory, paralleling compilers, and message passing. The message-passing model has become the paradigm of choice, variety of

multiprocessors that support it, as well as in terms of applications, languages, and software systems that use it.

ADVANTAGES OF USING PVM:

Portability - Probably the most portable message passing library available. **Scalable Parallelism**. **Popularity** - probably the most widely used parallel message passing library. **Flexibility**- Easy definition and modification of your parallel virtual machine, arbitrary control and dependency structures - your application "decides".

DISADVANTAGES OF USING PVM:

Performance - Even with recent advancements, PVM may be slower than other message passing languages. There is no real PVM standard.

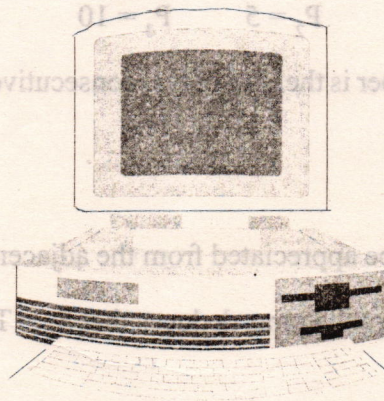
MESSAGE PASSING INTERFACE (MPI)

MPI is one of the parallel programming environment tool for cluster computing. MPI was designed for high performance on both massively parallel machines and on workstation clusters. MPI is widely available, with both free available and vendor-supplied implementations.

COMPARISON BETWEEN PVM AND MPI

MPI has advantages (e.g., faster message passing, a standard) and disadvantages (e.g., not interoperable among heterogeneous architectures, not dynamically re-configurable) with respect to PVM. Any standardization efforts of PVMPI may determine the future viability of PVM.

V. Vaidehi, Computer Centre & K. Vijayakumar AU-KBC Centre



COMPLEX - 0 - PHOBIA & SIMPLE - 0 - MANIA

Things should be made as simple as possible, but not simpler.

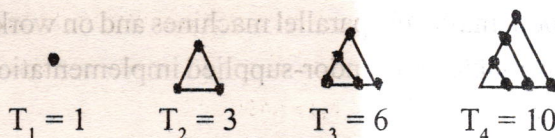
- Albert Einstein.

Things are really simple. When somebody teaches us something, if we are unable to follow what he says, there may be two reasons (i) we are not familiar with the fundamentals or (ii) The person is terribly confused about what he is teaching.

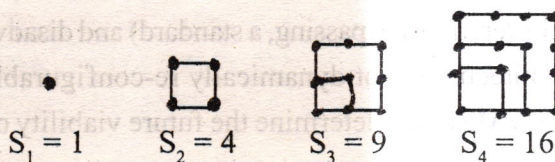
When we turn the pages of history to know how mathematicians could evolve so many theorems, it would certainly be a simple spark behind everything :

All of us may be familiar with Pythagoras theorem. There are some more theorems by pythagoras stated using some simple geometric figures. By following how he has deduced these theorems, we can appreciate the knack of deriving complex things from simple things.

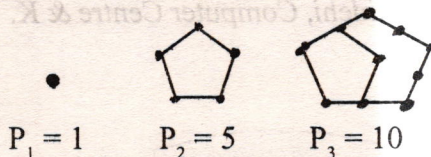
Triangle numbers :



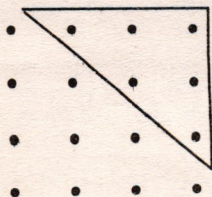
Square numbers :



Pentagon numbers :



Theorem I : Any square number is the sum of two consecutive triangular numbers. He proves it from the simple diagram below.



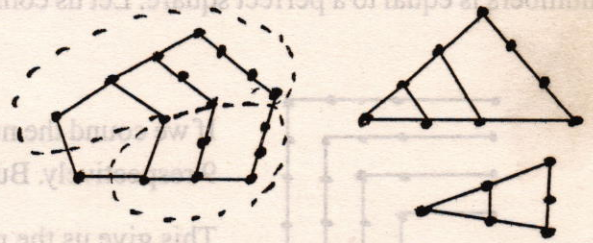
It can be appreciated from the adjacent diagram that, $S_4 = T_3 + T_4$.

Hence pythagoras deduces that $S_N = T_N + T_{N-1}$

Theorem II : Any pentagon number is one more than sum of two consecutive triangular numbers. He proves this using a simple example.

So, he deduces that, $P_4 = T_4 + T_3 + 1$

Hence he generalizes as, $P_N = T_N + T_{N-1} + 1$



Carl Frederik Gauss is another prodigy who has made significant contributions to field theory. When he was in school, he had a lazy teacher. One day the teacher asked the students to add the numbers from 1 to 10000 and give the answer, thinking that it would take a long time so that he could attend to do his personal work. But Gauss approached the teacher in a short while with the answer. The teacher told him not to cheat him by giving the wrong answer which he could not verify himself. But Gauss explained how he got the solution as follows :

Write 1 to N as follows :

$$1 + 2 + \dots + N = S$$

$$N + (N-1) + \dots + 1 = S$$

Adding these two gives.

$$(N+1) + (N+1) \dots + (N+1) = 2S$$

$$\text{i.e., } N(N+1) = 2S$$

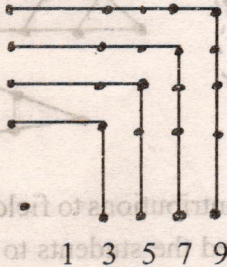
$$S = N(N+1)/2$$

The teacher was astonished and ashamed to hear the solution. Gauss was 10 when he gave this solution!

Euler is known to be the mathematician who has published most number of papers in mathematics. He is a swiss mathematician who had a phenomenal memory. Euler lost his sight in one eye when he was 35 and vision in another eye when he was 60. One day two of his students were in dispute about a number of if it is an irrational number or a rational number. Euler immediately told them that it is a rational number with repeating period of 51 digits. He has so many theorems to his credit, more interestingly he had 15 children.

Euler was the first one to find out the relation $e^{i\theta} = \cos \theta + i \sin \theta$. Today most of the complicated problems in communication theory, aerodynamics and so many areas are solved using this simple relation.

I am always a fan of Donald Erwin Knuth. I like his series of books, "The Art of Computer Programming". In his first volume, he gives a classic depiction of how sum of consecutive odd numbers is equal to a perfect square. Let us consider the following diagram:



If we count the number of dots along each line, they are 1, 3, 5, 7 and 9 respectively. But the total number of dots are 5^2

This give us the proof that, $1 + 3 + 5 + 7 + 9 = 5^2$

This argument can be extended arbitrarily.

There are always people who can make an obvious problem an obfuscated one. There are other kind of people too. One such inspiration is stephen hawking. He has not used even a single equation other than $E = mc^2$ in his all time classic. "A Brief History of Time" A magazine comments about this look as "In his book Hawking marries a child's wonder to a genius' intellect"

There are so many other great minds, in past, present and yet to come, have been left not mentioned due to stringent constraint of space.

I always feel that, "Things are simpler than what meets our eye"

All that matters is if we have the right perception !

ROSARIN JOLLY ROY

971333

Final Elex.

rosarinjroy@hotmail.com.

காய்கறிக் கடிதம்

(முழுநீள நகைச்சுவை கடிதம்)

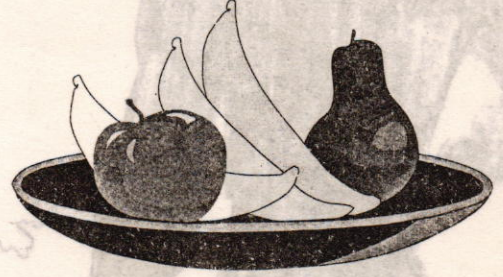
அனுப்புனர் :

வெள்ளரிக்காய்,
S/o வாழைக்காய்,
சுண்டைக்காய் புதூர்,
பீர்க்கங்காய் மாவட்டம்.

27-3-2001

பெறுநர் :

முருங்கைக்காய்,
C/o புடலங்காய்,
கத்திரிக்காய்ப்பட்டி,
நார்த்தங்காய் மாவட்டம்.



அன்புள்ள முருங்கைக்காய்க்கு

உன் இணைப்பிரியா நண்பன் வெள்ளரிக்காய் எழுதிக் கொண்டது. இங்கு நான் மற்றும் என் சகோதரர்கள் பூசணிக்காய், உருளைக்கிழங்கு, என் தந்தை வாழைக்காய் ஆகியோர் நோயால் அவதிப்பட்டுள்ளோம். அங்கு நீ மற்றும் உன் தங்கைகள் தக்காளி, வெங்காயம் மற்றும் உன் மாமா புடலங்காய் எல்லோருடைய நலமும் அறிய அவா. முருங்கை நீ நாளுக்கு நாள் மெலிந்து கொண்டிருந்தாயே, உடம்பை கவனித்துக்கொள், உன் தங்கை தக்காளி ஜலதோஷத்தினால் பாதிக்கப்பட்டு இருந்தாளே, இப்போது எப்படி இருக்கிறாள் ? உன் மறுதங்கை வெங்காயம் நாளுக்கு நாள் தோல் உரிந்துகொண்டே இருந்தாளே, இப்போது முழு உடம்பாக இருக்கிறாளா, இல்லை பாதி குறைந்துவிட்டாளா ?

இங்கு எனக்கு குளிர் காய்ச்சல். என் தம்பி உருளை உருண்டு கொண்டே இருக்கிறான். என் அண்ணன் பூசணி நாளுக்கு நாள் பெருத்துக் கொண்டே போகிறான். எங்கள் எல்லோருடைய உணவையும் அவனே உண்கிறான். எங்கள் அம்மா பச்சைமிளகாய் நாளுக்குநாள் எங்கள் எல்லோர் மேலும் கடிந்து விழுகிறாள். முன்கோபம் அதிகம் கொள்கிறாள். இங்கு நிலைமை சரியில்லை. அங்கு இப்படி இருக்காதென்று நம்புகிறேன்.

இப்படிக்கு என்றும் அன்புடன்,
உன் இணைப்பிரியா நண்பன்
வெள்ளரிக்காய்.

G. அருள் முத்து

992502

II PT



மலரே
உன் பாதங்கள் நடப்பது
என்னை நோக்கியா ... ?
என்னை நீங்கியா ... ?



N. SIVAKUMAR
971339
Final Elex.

M.I.T. ALUMNI ASSOCIATION

I) The year started with the Annual General Body Meeting of the Association, which was held in the Alumni Club in May 2000.

At the request of many members, Mr. T.A.S. Balagopal, who was former Export Director of TATAs was unanimously elected as the President of the Association.

Other Office-bearers, who were also unanimously elected were :

Mr. R. Narayanan, Vice President

Mr. G. Padmanabhan, Vice President

Mr. V. Sivakumar, Secretary

Mr. David Appollo, Joint Secretary

Mr. Shankar Narayanan, Treasurer

Mr. Kanakraj

Mr. K. V. Narayanan, Faculty

Mr. S. Vijayakumar, Representatives

Mr. Ananthasayanam

II) on 20th September the Convocation of Anna University was held. Dr. Mashelkar, Director General of CSIR, delivered the convocation address. 102 of MIT graduates took the degree in person. MIT alumni Association gave a dinner to the passed out graduates and presented the toppers in the Masters of the various faculties Gold Medals and certificates from MITAA.

The Medal winners were 1) A Murali of Auto, 2) S Samuel Natarajan of Electronics, 3) K.G. Senthilkumar in Production Engineering, 4) John Rozario in Mechatronics, 5) K V Sadasivam in Avoionics 6) P. Dinesh Chaudhri in Aeronautics, 7) Arulvel Ramanan in Instrument Technology, and 8) Mr. Meenakshisundaram in General Proficiency. We had invited five senior Alumni to talk to the newly passed out graduates on the present day work environment, what situations they can expect and how they should face them. Practically all the graduates have obtained their placement.

III) The Founder's Day and the Alumni Day celebrations were held on 30th March 2001 at Rajam Hall in MIT Campus.

From : Mr T.A.S. Balagopal, President MIT Alumni Association, Chennai.

I am glad to inform you that the Founder's Day and Alumni Day celebrations, about which I had advised you earlier, went of very well and everyone of the participant enjoyed it immensely. Here below is the summary of the proceedings prepared specially for the Alumni all over the world. The email address of Mr S. Raghunathan is sraghunathan@ieee.org and that of Mr. P. R. Shankar Kumar is shankarkumar.pr@isg-india.com in case you need any clarifications/addl information.

M.I.T. ALUMNI ASSOCIATION, CHENNAI
FOUNDER'S DAY AND ALUMNI DAY
AT MIT CAMPUS ON 30TH MARCH 2001

On Friday 30th March, MIT Campus wear a festive look due to the celebration of Founder's Day and Alumni Day Celebration. Alumni Members, Staff, Students of the institute and invited guests filled the Rajam Memorial Auditorium to the full. After invocation, Mr. T. A. S. Balagopal, President of MIT Alumni Association extended a hearty welcome to all and expressed the happiness of MITAA in having Mr Raghunathan, Dy Director of National Remote Sensing Agency (NRSA) to deliver the Rajam Memorial Endowment Lecture. He said that this Lecture was instituted seventeen years ago, by the Alumni Association in memory of the dearly loved Founder, and a distinguished Alumnus of each batch commencing from the first batch from the inaugural year has been invited to deliver the same. He paid a rich tribute to Late C. Rajam, whom he knew personally, and recalled how at a ripe old age he devoted himself wholeheartedly for the promotion of the Institute. When the founder addressed the students, his one and only request was that the students should bring glory to the institute. Starting from Mr. M. V. Radhakrishnamurthi of first batch, Dr. A.P.J. Abdul Kalam, Mr. K. B. Chandrasekar, Dr. Bala S. Manian, Mr. Raghunathan, Mr. Shankar Kumar and hundreds of other students have excelled in their fields, and fulfilled the dream of the Founder in abundant measure, and he was confident that the coming generations will follow in their footsteps. Dr. S. Renganathan, Dean of M.I.T. exhorted the students to keep up the legacy and he quoted from the Tamil Classic Thirukkural on values to be cherished and how hard work and dedication was essential for success. He gave a birds-eye view of the development of the institute and the new facilities.

Mr. Balasubramanian, the grandson of the founder welcomed the gathering and related his experience with Professors abroad who have a high opinion of the alumni of the institute and exhorted the students to live up to those high standards.

Mr. S. Shekawat, Chairman and M.D. of Hindustan Teleprinters, and chief guest of the evening addressed the gathering. He narrated the interesting transformation of Hindustan Teleprinters (HTL) a fully owned government enterprise, which was started in 1960 to essentially produce Teleprinter Machines, into a new company altogether as a telecommunications manufacturer. They now produce

regular telephone exchanges, large switching exchanges with Siemens knowhow, Main Distribution Frames, Linc Jack Units transmission, data and access products, and WLL products.

He also explained by slides, the Wireless in Local Loop, the various Multiple Access Methods, such as a FDMA, TDMA, and CDMA, and gave a broad view of the advantages of the WILL as well as CDMA and GSM systems. Mr. S. Raghunathan then gave the Rajam Memorial Endowment Lecture. His talk was on NRSA and its 25 years of Service to the Nation. A brief resume of the speech : "NRSA was set up in 1975, and I have been there from the very beginning.

Data collection using photographic cameras, and airborne scanners mounted in aircrafts, and its interpretation demonstrated the potential of remote sensing. This was strengthened by setting up of a Landsat data reception, processing and distribution facility in 1979. Coverage of large areas, possible due to satellite technology, was instrumental in developing maps on various themes over several districts and states in the early 80s. Ground water potential, identification and classification of wastelands, forest cover and depletion if any over a period of time, were some of the early projects which had nation-wide impact. Carrying out application projects called for state of the art unique technologies and NRSA acquired these and contributed significantly to the indigenous Indian Remote Sensing Satellite programme, the first of which was launched in March 1988. The Second, IRS-1B was launched in 1991 and we now have IRS-1C and ITS-1D providing about 6m resolution data in Black and White and 23m resolution data in multi spectral mode.

NRSA had developed a number of technologies and transferred them to the industry. It has played a major role towards the formulation of National Natural Resources Management System (NNRMS) which is a government mechanism to harness the benefits of remote sensing in a planned and strategic manner.

NRSA also predicts the snowmelt from the Himalayas which assists in planning the power generation and water release for the various associate segments. Drought monitoring, certain aspects of Disaster management and providing data for post disaster measures, are all areas for which providing valuable satellite data, and interpreted maps by NRSA are of great help to the various agencies.

The Indian Remote Sensing Satellite has a unique combination of large swath (700-800 kms.) sensor with reasonably good resolution of the order of 190 meters, and a very high resolution - 5.8 m. It also has swaths of 70 kms, beside 140 kms and 23 m resolution LISS Camera. This is the only satellite in the world having such combination of sensors and many ground stations in the world have expressed interest and set-up facilities to receive the IRS data. India is one of the few countries in the world to have a long term plan for reaping the full benefits of remote sensing".

After the Teabreak, the functions connected with Alumni Day Started. We had selected Mr P.R. Shankar Kumar, President and CEO of India Software Group, Chennai as the distinguished alumnus, to honour on this Alumni Day. Mr Shankar Kumar passed out in the 12th batch and has over 35 years of experience in the IT Industry. He started his career with IBM and was with them for 15 years. Thereafter he was the CEO of a few Indian Software companies. He then worked for the famous DELL as the Country Manager for India and helped in the turnaround of the company in this part of the world. For the past few years he is the President and CEO of India Software Group, a premier Birla software enterprise, in Chennai, which is growing very fast.

Mr. Ramakrishnan, a classmate of Mr. Shankar Kumar introduced him. He said that there is a theory that in any MIT class there were two sets of students, one who were very studious, and all their actions were centred around studies and another group who are greatly interested in all activities other than studies. He said that Shankar belonged to the first group and he was in the latter group, and may be because of this they were good friends for he could depend on Shankar to fill up the gaps, during the student days. He related a few hilarious happenings and praised Mr. Shankar Kumar as a great achiever in Life.

Mr. P. R. Shankar Kumar addressed the gathering. He thanked MITAA for selecting him as an outstanding alumnus. He said that he had enjoyed every minute of his stay in the institute during his students days, and coming back today after a long interval, brought many nostalgic memories. He pictured to the students the state of affairs in the institute when he studied. He gave wholesome advice to the younger generation. Nothing is impossible if you try very hard. He said hard work and devotion is absolutely necessary in the present day world. He also advised them to keep abreast of all the happenings not only in their field but in all allied fields, for today opportunities will come from different directions and one should be in a position to grab them and make himself an expert therein.

Thereafter the Chief Guest and Mr Shankar Kumar distributed the prizes and special awards to students as well as staff who were retiring from the institute.

With the national Anthem the function came to a close.

Athenaeum Annual Report

MIT has a rich tradition with more than 50 years of cultural heritage and has been promoting extra-curricular activities to create professionals who are technically sound, culturally vibrant and possess universally appealing thought.

Athenaeum, our students body, is actively involved in encouraging students in cultural as well as co-curricular activities. This year too, it went with a bang.

Our opening gambit started with the formal inauguration by Mrs. Anuradha Ramanan noted writer for the activities of the year 2000-2001 on 25th of July, 2000.

This function had all the hallmarks of taking this year's activities, a successful one.

A communication skills development programme was conducted by Dr. G.Subramaniam professor, Science & Humanities, Anna University, on 14th July, 2000.

A yoga programme was organised on 20-07-2000 to enlighten our students' minds and body to a spiritual and real world.

Several mass campus cleaning programme were organised to emboss the onus of keeping our campus neat and clean on the students and here we went again with success by the active participation of the students.

Competitive Exams Motivation Cell (CEMC) was inaugurated by Prof. V. Rajagopalan, English Department, MCC, Chennai on 02nd August, 2000 aimed to guide and motivate the students who are preparing for higher studies. New Books of about Rs.3000 were bought from Athenaeum and kept in separate section in the library for students use. This cell is then undertaken by PDA who have conducted many seminars and exams for the interested students.

A freshers party was arranged on 30th August, 2000 to encourage the first years and to interact them with the seniors.

Here we went again with a talent search programme to bring out the hidden talents of MITians on 31st August, 2000.

It was followed by a seminar on "Recent trends in Information Technology" organized in association with the Computer Club of MIT.

Sivaranjani, an intra college Music Festival was held on 8th September, 2000 with great fanfare. It was inaugurated by Ms.Pavatharini, singer. Athenaeum has unveiled its cultural band with great pomposity and obtained great laurels. The total participation of the students from all the departments proved their passionate interest towards, the cultural activities.

Then the much awaited event of the year, MITAFEST 2001, held on during 8-11th February, 2001 was inaugurated by Mr.Madhan, famous cartoonists and writer. MITAFEST organising committee's great hands made us to burst with pride by their incredible sponsors' collection of about Rs. 4,00,000 (Four lakhs) against previous year's sponsors of about Rs.64,000 (Sixty four thousand). MITFEAST was a roaring success and it is well evident from the fact that participants from around 83 colleges from all over Tamilnadu actively participated. More than 130 outstation participants from 20 colleges outside Chennai has been accommodated for four days which includes Salem Medical College, Government College of Technology, Coimbatore, Karunya Institute of Technology, Coimbatore, Mepco Schlenk College of Engineering, Sivakasi, Sona Engineering College, Salem, etc. This festival showcased professional shows which included dance show by Art Work, Light Music by Sadhaga Paravaigal and a drama by Crazy Mohan. The Light Music competition, Dance Competition, variety entertainment and Fashion Show proved to be the major crowd pullers and had 20 participants each. Cash prizes of Rs.75,000 were distributed to the prize winners.

At end, we managed to save Rs.1,50,000 (one lakh fifty thousand) from sponsors and the money is planned to utilise for development activities in MIT.

We offer our sincere thanks to our president Dr. S.Renganathan, Dean, MIT, Vice-Presidents Dr.V.Vaidehi and Dr. R. Dhanaraj for their great efforts and guidance in organising activities.

We wish the next year's representatives to follow the same success track and the Athenaeum flag continues to soar.

P.S. Sivasankaran
Chairman
Athenaeum



**"Well begun is half the workdone"
The Athenaeum Inauguration by
Ms. ANURADHA RAMANAN**

**Singer Ms. BHAVATHARINI,
Who enthralled us with her
wonderful singing during
SIVARANJANI**



**MIT not only produces Technocrats
but also Musicians of high calibre -
MITians at
SIVARANJANI**



Drops of water making the ocean called MITAFEST - 2001 -
The organising committee behind the cultural extravaganza

MITAFEST 2001
Inauguration -
"HAI" Madhan Saying
HI in his inimitable style



Students' Giant effort to
play dwarfs during
MITAFEST - 2001 Culturals

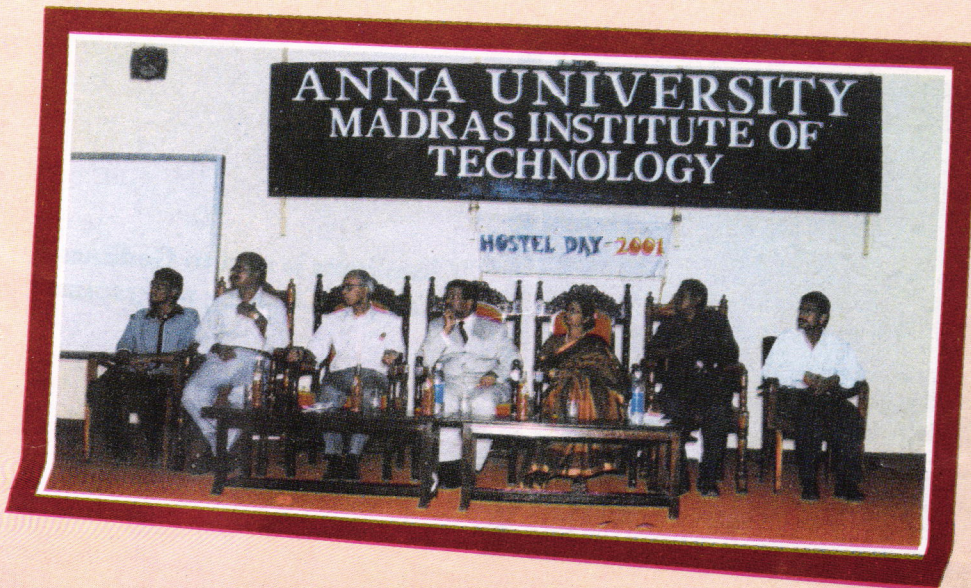




**Laughter the Best Medicine -
Doctored by "Crazy Mohan"
for MITAFEST - 2001**



**Bringing Paris to MIT -
The ramps were ablaze by
the impressive haute couture
at the Fashion show during
MITAFEST - 2001**



**HOSTEL DAY - 2001
A fest the hostellers can
boast about**



Treat to "Sivananda Gurukulam"
Students during
"HOSTEL DAY - 2001"

"Adoption of Young Student
Scientist Programme-2000"
Valedictory Function



"Cleanliness is next to Godliness"
- Campus Cleaning programme



PLACEMENT REPORT

A meeting of the placement representatives and the training and placement officer of CUIC Dr. N. Balusamy and the training and placement officers of MIT Dr. A. Nagarajan and Dr. D. Vidya was arranged during the first week of July, immediately after the Institute reopened for the academic year 2000-2001. The plan of action for the conduct of campus interviews was agreed upon.

One of the highlight of this year's campus recruitment is that it (averaging around 80-85% out of 250 students) in the history of MIT.

Due to the boom in software industry the first three companies namely TCS, INFOSYS and CTS recorded three digit recruitment score for the first time.

Notable software companies that visited the campus during the year are IBM, i|NAUTIX, AZTEC, WIPRO, PCS, KANBAY, SEMANTICS, MASCON, SATYAM, MEGASOFT, etc.

A good number of students were placed in core companies like VOLVO, TELCO, SASKEN, MINDTREE, SANDVIK Asia, Murugappa Groups, Srichakra Tyres, RECIL, Apollo Seals, ATUL, Honeywell, etc.

Guidelines :

Going by experience our sincere suggestion is not to be choosy and regret later. In addition, applying for off-campus recruitment in parallel could provide added security to those in question.

It would be worthwhile if the students master the subject of their interest, prior to facing the interview panel. Be positive and self-confident and never worry about the outcome.

On behalf of the placement representatives our sincere best wishes for the subsequent career deciding year for our juniors.

Placement score as on 14-5-01

Aero	-	12/15
Auto	-	32/32
Elex	-	55/59
IT	-	56/59
PT	-	46/60
RT	-	12/27

Placement Representatives :

Aero	-	Saravanakumar and Ramkumar
Auto	-	Prasadh and Senthil Prakash
Elex	-	Mahesh and Suresh Babu
IT	-	Renjish Abraham and Sankaranarayanan
PT	-	Balachandar, Jeyaraj and Ramesh
RT	-	Saravanan and Rathinasamy



COMPUTER CLUB

We, at the Computer Club of MIT, set the vision of “making computers colloquial” for the academic year 2000-2001.

The first event of the year was a lecture on “Hardware” on 2-10-2000 by Mr. Ratna Kumar of final electronics. Through this class we also gave the idea about campus interview recruitment. The Club conducted a class about “operating system” from fundamentals. This class was handled by Mr. Yogander of final electronics on 27-11-2000. Through this class, attended students got the basic idea of operating systems. The Club organized a class on JAVA for 4 weeks, from 2-2-2001, with Mr. Sivakumar and Mr. Rosarin Jolly Roy as the Course Instructor. The Club conducted a workshop on “Recent Hardware and Software” by Mr. Melvin prabhakar of “RADIANT SOFTWARE”. Also through aptitude test we gave the way for MITians to join courses in “RADIANT SOFRWARE”.

We are indebted to thank many people, who have helped in organizing these events successfully. We thank Dr. S. Chandrasekaran, President, Computer Club for his excellent guidance. We sincerely thank Dr. Manna Jawahar, HOD, Department of Automobile Engineering and Dr. P. Kanagasabapathy, HOD, Department of Instrumentation Engineering who provided us with halls for conducting the classes during the evening hours. We are extremely grateful to Mr. Vinayaga Sundaram, Staff advisor, Computer Club, who stood by our side in each and every activity of the club, without his guidance and Constructive ideas, these events would not have taken their shapes. I find no words to thank the dynamic office-bearers of the Computer Club, who worked very hard throughout the year. And last, we wish to thank all students and staff of M.I.T. for extending their support in all possible ways.

T. Govindarajan
Chairman, Computer Club.

National Service Scheme - Report

Not me but you... it never ends as our NSS service follows it and achieves a lot on its way. It steps on the path laid by service minded people towards a golden society where its building block, each individual lives for other and achieves all he / she wants as our Mahatma Gandhi said "Give all you have to others and you will get all that in this universe".

Our NSS team of MIT, coordinated by Dr. S. Sankar and Mr. K. Vijayan walk along the same road and by motivation, building the students' personalities. Our programs are planned for young scientists and engineers to make them with multifaceted personalities and for two main goals.

First, to develop morality, personality and love towards our society. For which every Friday we had arranged NSS meeting to have discussion about issues that are in hotplate like Gender equality, the need of NSS for professional students, etc. many times we had arranged cultural programs to bring out the creativity and talents of the students. We were successful in making all of them to participate at least once.

The second goal is for physical fitness and awareness to have clean & green surroundings. In this regard we had field works on every Saturday. Apart from this, we had campus cleaning, planting, etc regularly. We see that the volunteers were enthusiastic and was enjoying the feel of labour. Also we had programs on Independence day, Republic day and AIDS day.

Our NSS programs for the year of 2000-01 was Inaugurated by our Dean Dr.S. Renganathan on 15th September 2000. We thought he is the suitable person by his service minded personality and motivation towards the activities of NSS volunteers. Then our Program Officers Dr. S. Sankar and Mr. K. Vijayan delivered their speech about NSS aim and future plans. After such a good start, things were going nicely as planned. In the list of field works we had four campus cleaning and seven session in our Annex for cleaning and planting herbal garden. This year we arranged for one-day Blood donation camp at our Health centre and seven blood donations for emergency. Also we used to collect old cloths and other materials to help any orphanages during the festival times. Our volunteers had attended six-days state level NSS camp at Trichy during December 2000 and won the First Prize in solo-song. Our volunteers attended National level six-days National Integration Camp at Kerala during January 2001.

We got various future plans, few are following :

- a) We plan to have a Census of Chromepet for flavor of Municipality.
- b) We are planning to help traffic management during holidays.
- c) We are planning to have programs about the rain water harvesting and some demonstrations towards the first - aid.

When we turn back to our memories and records, its seems really a hard task to keep things in our hand. But we made all the above as ease. The reason is we have cooperative Dean and ever-ready NSS program officers in our campus. Who did things from their deep willing towards our success. The team is every thankful to them. We promise that these good activities will be improved and continued during the years to come.

S. Jayagopal (Final Auto)
J. Santhasivan (Final Aero)
General Secretaries
NSS-MIT

PERSONAL DEVELOPMENT ASSOCIATION



An elite association which is one of its kind in the university had an year with events sown throughout the academic year. A variety of activities which include guest lectures by eminent personalities, Workshop, Weekly sessions, Language Classes, Interview tips, etc., were meticulously planned and ably executed by the select band of my PDA team under the eminent guidance of our President. Dr. S. Renganathan, Dean, MIT and Mrs. Mala John, Staff-Adviser, PDA.

Mr. T.S. Subramanian, Special Correspondent, FRONTLINE Inaugurated the associations activities on 11th September 2000, which was followed by a workshop on "Body Language" conducted by Mr. Zane Cuxton & Mr. Anantha Narayanan of Academy for skill and knowledge who are the pioneer professionals in the arena.

The boom in the IT industry intimidated the office bearers to arrange a lecture on "Skill set for a Software Engineer" by Mr. Praveen Selvakumar of Cognizant Technology Solutions. To identify and nurture the special skills of MITians, PDA joined hands with Athenaeum to conduct the "talent Search Competition" for the freshers and selected the MIT quiz team.

Of course the backbone of PDA, the weekly sessions were conducted almost on all possible weekends from 10 to 12.30 p.m. In total 17 weekly sessions were conducted and at average of 23 students participated in each session. The agenda for each session includes vocabulary, Group Discussion, Snap discussion, Psychometric tests, Interview experience by seniors, informal events, etc. The sessions were conducted by the Office bearers of this association in consultation with staff and passed out seniors.

Mock interview sessions for the prefinal year students were arranged to stimulate the atmosphere with the final year students as panel members. Spoken English class for the freshers were suggested unfortunately it didn't materialise.

The quest for MITians to exhibit and hone their skills in stage events and eager to listen to professionals were satisfied in the annual extravaganza "PERSOFEST 2001". This is the longest feast in MIT this year which spanned for 5 days from 5th March.

It was inaugurated by Mr. J.N. Reddy, Founder Director, Madras academy for Excellence. Every evening we had lecture/presentation followed by the events.

The lectures arranged during PERSOFEST - 2001 :

- (i) "Campus Interview – An Overview" – An interactive session by
Mr. S. Karthikeyan, Senior HR Recruitment, Covansys.
- (ii) "Who is an Engineer" – Dr. S. Renganathan, Dean, MIT
- (iii) "How to face interviews Confidently & Successfully?" – Dr. C. Subramanian, HoD,
Department of English, along with a video show.

The Group Discussion and Interview for the PERSOFEST title were conducted by experts. A sizeable no. of MITians made their maiden attempt in the stage and won the prizes too. The valedictory address was delivered by Mr. T.A.S. Balagopal, Director – Exports (Retd.), TELCO.

This year PDA never spared any opportunity to conduct lectures/events with other associations and also attempted new ventures like organizing workshop on "Etiquette and Dress Code", but there were some shortcomings. We hope in the years ahead, the association will make it up and serve as an ideal platform for MITian to discover them.

J.Sankar Kumar
Chairman
PDA

ROTARACT CLUB



Report for the academic Year 2000 - 01

Rotaract Club of MIT started in the year 1993-94 is set to inspire the social service of young minds. Through this it provides better movements with the society and enhances the personal development.

Bearing the motto 'Fellowship through service' the enthusiastic team, with it's office bearers, under the eminent staff advisor Mrs. Pappa, was installed on 5th of August 2000.

Service to the Nation is a noble deed. Sustaining to that, we were part of the polio camp Conducted on Dec. 10th and Jan 21st organised by the Rotary Club South East.

The Youth entertainment program Salsa - nite on 31st Dec & 'Dumb & Dumber' on 24th March were organised to provide an opportunity for our members to exhibit their talents.

ROTRE - Rotaract Republic Day an endeavour to elevate the creativity of the young minds was of great success with the participation of more than 10 schools.

Literacy program for mess workers was a limelite activity of Rotaract Club. It gained its momentum, by good responses from the workers who feed us.

The office bearers with their full potential participated in the District Rotaract Council Conference held on Feb 10th & 11th @ Gurunanak College, Velachery.

A Career counselling program on the theme 'Select a better Career' was organised for the betterment of the student members.

Achievers never stop achieving. Though, with this the activity of the club ends for this academic year, it's service will last long for ever in future.

B.B. Arunbalachandar
President

ANNUAL SPORTS REPORT

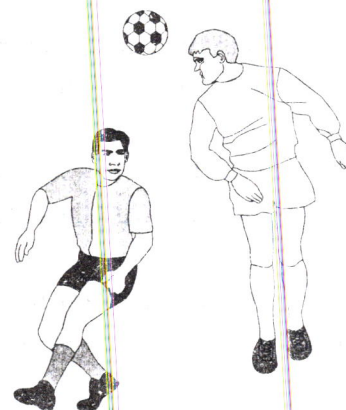
The MIT physical education department has been a hallmark of the capabilities of MITians as sports persons. This comes as a proof for the fact that MITians can establish themselves even beyond academics. This is only to complement them as sound and vibrant engineers of India.

This report highlights the performances of MITians during the current academic year.

A host of MITians represented Anna Univ. in various disciplines. V. Sivakumar (II I.T.) & S. Karthik (II I.T.) represented AU in the Bertram state level Basket - Ball tournament held at Loyala College from 28th -30th August 2000. C.K. Ashwath (Final Elec) & G. Deepak Kumar (II Elec.) were members of the Anna Univ. Table Tennis team which finished third in the South Zone Inter-University Table Tennis tournament held at Anna University from 24th -31st Oct. 2000. In the South Zone Inter-University Cricket tournament held at Hyderabad during December 2000, Srikanth Akkiraju (I elec) of MIT represented the Anna University Team. S. Karthick represented AU in the South West Zone Inter-university tennis tournament during Jan 6th -13th, 2001 and finished fourth.

In the Tamilnadu inter-university Table tennis tournament held at Madras University Union Grounds, C.K. Ashwath & G. Deepak Kumar representing Anna University, finished as runners up.

MIT teams participated in various competitions during the current year. The MIT Ball Badminton and Basketball teams participated in the state-level inter-collegiate tournament held at SVCE, Chennai (10th -12th Jan, 2001) and proceeded till the semi-finals.



A Sujatha (I I.T.) won the bronze medal in Javelin throw at the South Zone open athletic meet at Hyderabad (19-10-2k to 20-10-2k). The following players won gold medals at the A.L.Mudaliyar Athletic Meet conducted by Madras University from Oct. 27th -29th at Nehru Stadium, Chennai.

K. Sangeetha (II I.T.) - High Jump

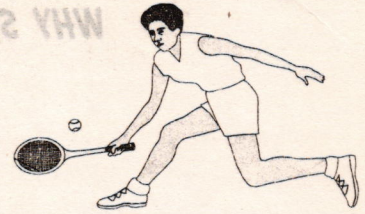
A. Sujatha (I I.T.) - Javelin

S. Anuradha (I elec) - Shotput

In the DYFI state-level open athletic meet, A. Sujatha won the gold medal in Javelin throw creating a new meet record.

In the Tamilnadu Inter-Engineering Sports 2001, the MIT table tennis team represented by the following players who won the gold medal.

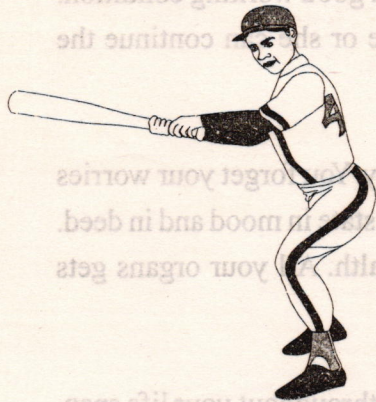
1. C.K. Ashwath (Final elex)
2. G. Deepak Kumar (II Elex)
3. S. Vijay Prasad (II I.T.)



The following athletes won the respective medals in the events mentioned below

1. K. Sangeetha - High Jump (Gold), Long Jump (Bronze)
2. A Sujatha - Javelin (Gold), Discuss (Gold)
3. A. Anuradha - Shotput (Gold)

Besides these, MIT teams participated in various disciplines in TIES and put up a creditable performance. For the first time in our history, our girls team took part in the basketball and badminton events in TIES. Our girls put up a creditable show and proceeded till the quarterfinals.



All these good performances were made possible only because of our good practice and training sessions. We have department sports hour every evening at our Annexe. Students from all departments have to report once in a week. They are guided & supervised by our physical director, the staff in-charge of each department and the respective department captains.

We also have hostel sports hour in the mornings from 6.00 - 7.30 a.m. The response from the hostellers in this regard has been overwhelming. The hostellers are guided by our Dean, Executive Warden, Physical Director, their respective resident councillors and hostel captains.

The National Sports Organisation (NSO) activities were inaugurated by our Dean Dr. S. Renganathan on September 15, 2000. Since then weekly classes have been conducted for them. Besides these they were also engaged in many special programmes like parades during Independence Day and Republic Day, campus cleaning programmes, guest lectures, etc.

And as all good things come to an end, so also this year's sports day. I hope that this trend continues and the MIT flag flies high not only in the academics area but also in the sports field.

J.X. Winston Fernando
General Captain

WHY SPORTS ACTIVITIES ARE IMPORTANT ?

by

Dr.S.RENGANATHAN
Dean, MIT

Sports activities are important to College and School students because -

- 1) They condition the mind to consider win and loss alike. That is why if somebody worries about a loss we say "Be sportive and take it easy". Success and failure are parts of a game. One should work for a success & not worry for a failure.
- 2) They condition the body. They help you to keep good health. They give exercise to every muscle and tones up every organs, helps one to keep his/her body & organs in good working condition. If in young age, one is habituated in a game or sports activities, he or she can continue the activities life long and hence good health is assured.
- 3) When you play a game you forget that you are a big guy or a small guy. You forget your worries and problem. You go to child state. That means you get reset to normal state in mood and in deed. Tension is released which is very good for mental and physical health. All your organs gets revitalised.
- 4) They teach you to obey rules & regulations and make you disciplined throughout your life span.
- 5) You look cheerful, look better in shape and size. You can dress well. You can use modern dress.
- 6) Sports activities take away part of your free time. Thus you are dissuaded in getting into bad habits like drink and drugs and Eve/Adam teasing.
- 7) Finally it earns you friends rather good friends and provides opportunities for socialising. And thus makes your life happy.

Therefore do not neglect sports activities when you are young.



The nerve - Centre of
MIT's Enticing fests -
"Athenaeum Committee"



Ever-serving hearts
who make us feel at home -
"Hostel Committee"



But for these people's clout
MITMAG 2001 will not be out
"MITMAG Committee"



Wanna' improve your personality ?
Ask 'em how -
The PDA office bearers

"Service to mankind is
service to God"
The NSS office bearers with
similar aspirations



"Service through fellowship"
Rotaract Club of MIT





**Do we see a Carl Lewis,
Maurice Greene, Flo-Jo (or)
Ben Johnson in these ?**

**"Queen of Javelin"
Who brought many a
laurel to MIT**



**Able guys who ruled
the table in
TIES - 2001**

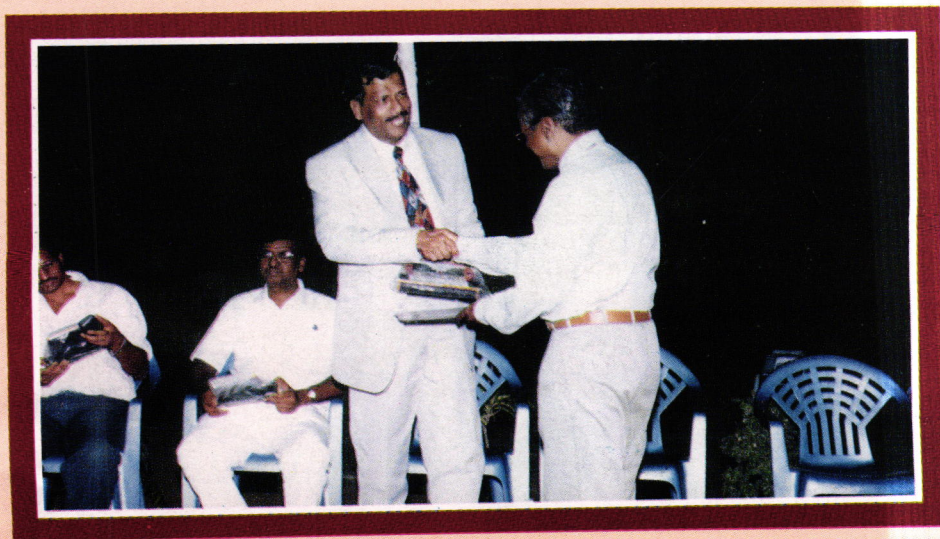


"Scaling Heights in one giant leap"

**Chief Guest of Sports Day
Mr. T. PITCHANDI I.A.S.
distributing prizes**



**Dean Presenting Memento to
Vice-Chancellor during
Valedictory function of Sports Day**



SPORTS AND PHYSICAL FITNESS - A STEP TOWARDS PERSONALITY DEVELOPMENT

by

K. Raja. Physical Director (TF)

As good food is required to keep a person healthy and sound education is essential for sharpening of mental faculties, Sports activities are a must for overall development of a person. It may be any kind of sports activities that help in developing various personality traits like quick reflexes, sharp judgement, team spirit, co-ordination leadership quality, patience & maturity in deal with failure.

Our university is giving more emphasis on sports activities and it is made compulsory for every student to spend sometime in the sports ground. Sports makes a person all rounder.

PHYSICAL FITNESS

PHYSICAL FITNESS MAKES US WORK BETTER, LOOK BETTER AND FEEL BETTER

What is meant by physical fitness ?

Technically, physical fitness involves measures and levels of muscular strength and endurance, muscle tone, heart action and response to activity, agility, balance, and co-ordination.

Why you should be fit ?

Research has shown that :

1. The physically fit person is able to with stand fatigue for longer periods than the unfit.
2. Physically fit person is better equipped to tolerate physical stress.
3. Physically fit person has a stronger and more efficient heart.
4. There is a relationship between good mental alertness and absence of nervous tension and physical fitness

Remember that :

“Weak stomach muscles cause sagging abdomens and
Weak back muscles are a major cause for back pain”

Why should you be so concerned about physical fitness ?

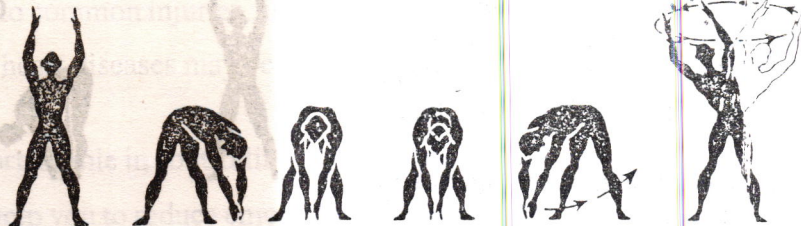
Muscles unless adequately exercised or used will become weak and inefficient. Let's take a look at some of the evidence, which shows why regular exercise is so essential for physical well being.

- * Weak back muscles are associated in many cases with lower back pain. It has been estimated that increasing the strength of the back muscles through exercise may eliminate 90% of these backaches.
- * A bulging, sagging abdomen resulting from weakened abdominal muscles is detrimental to good posture.

Chart - 2

CHART - 2

1. Feet astride, arms upward.
Touch floor outside left foot, between feet, press once then outside right foot, circle bend backwards as far as possible, reverse directions after half the number of counts.
Keep arms above head and make full circle, bending backward past vertical each time.



2. Back lying, legs straight, feet together, arms straight overhead.
Sit up and touch the toes keeping the arms and legs straight. Use chair to hook feet under only if necessary. Keep arms in contact with the sides of the head throughout the movement.



3. Front lying, hands and arms stretched sideways.
Lift head, shoulders, arms, chest and both legs as high as possible.
Keep legs straight, raise chest and both thighs completely off floor.



4. Front lying, palms of hands flat on floor, approximately one foot from ears directly to side of head.
Straighten arms to lift body.
Chest must touch floor for each completed movement.



5. Stationary run - (Count a step each time left foot touches floor). Lift knees waist high.
Every 75 steps do 10 "semi-squat jumps."
Repeat this sequence until required number of steps is completed.
Semi-squat jumps-Drop to a half crouch position with hands on knees and arms straight, keep back as straight as possible, right foot slightly ahead of left.
Jump to upright position with body straight and feet leaving floor. Reverse position of feet before landing Return to half crouch position.

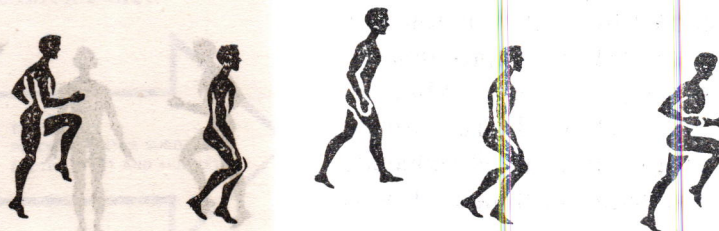
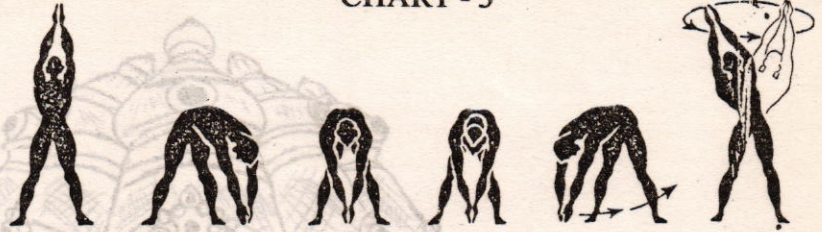


Chart - 3

CHART - 3

1. Feet astride, arms upward.
Touch floor outside left foot, between feet, press once then outside right foot, circle bend backwards as far as possible, reverse directions after half the number of counts.



2. Back lying, legs straight, feet together, hands clasped behind head.

Sit up and raise legs in bent position at same time twist to touch right elbow to left knee. This completes one movement.

Alternate the direction of twist each time.

Keep feet off floor when elbow touches knee.



3. Front lying, arms extended overhead.

Raise arms, head, chest and both legs as high as possible.

Keep legs and arms straight, chest and both thighs completely off floor.



4. Front lying, hands under shoulder palms flat on floor.

Push off floor and clap hands before returning to starting position.

Keep body straight during the entire movement. Hand clap must be heard.



5. Stationary run - (Count a step each time left foot touches floor. Lift knees waist high.)

Every 75 steps do 10 "Semi-spread eagle jumps."

Repeat this sequence until required number of steps is completed.

Semi-spread eagle jumps - Feet together, drop to a half crouch position hands on knees with arms straight.

Jump up to feet astride swing arms overhead in mid-air, return directly to starting position on landing.

Raise hands above head level, spread feet at least shoulder width apart in astride position before landing with feet together



CHART - 3



V. SRINIVASAN
Auto

விட்டு விடுதலையாகி

உன்னை உணர்

உளி உரசாக்க கல்லும்
கடப்படா பொன்னும்
தன்னை அறியாதவனும்
தரணியில் தலைநிமிர்ந்ததில்லை

நீர் தேடி நீரும் பாலைவன வேராய்
உனைத் தேடி நீள்டும்
உன் எண்ணங்கள்

கற்பனையில் கனவினில்
காலத்தை கழிப்பவனேன்
உன்னை அறிந்தால்
கனவை நனவாக்க
காலடி வைப்பாய்

தன்னை அறிந்தவன் - பாதரசம் போல்
எத்தனை முறை சிதறடிக்கப்பட்டாலும்
சேர்ந்து விடுவான்
சேர்ந்து விடமாட்டான்

தன்னை அறிந்தவன்
தன்னைச் சூழும் தளையைக்கூட
தலைக்கு மகுடமாக்குவான்

தன்னை அறிந்தவனே
மனித பயண பாதையிலுள்ள
அம்மாவாசைகளுக்கு தீக்குச்சி கிழிக்கிறான்.

நரைக்கும் முன்பே
மரித்தல் தவறில்லை
மரித்தும் மறையாமல்
மறையாதல் அவசியம்

உன்னை நீ வாசி - பின்பு
உலகம் உன்னை வாசிக்கும்
உன்னை அறிந்தால் - நீ
வீழ்ந்தாலும் விதையாய் வீழ்வாய்
அழுதாலும் மழையாய் அழுவாய்

மு. சக்தி நாராயண் குமார்
992325
Elex.

எந்த முகவரிக்காக

இந்த மேகம்

இப்படி அலைந்து அழுக்கிறது ?

துடைத்து துடைத்து

மேகம் கூட கழுத்துவிட்டது

நிலவின் கறை நீங்கவில்லையே ?

செவிட்டு கரைகளிடம்

அலைகள் இறண்டாண்டாய்

என்ன அழுக்கிறது ?

காலையில் கிடைத்த வைக்கிரீடத்தை

அதற்குள் அடகு வைத்துவிட்டனவே

இந்த புற்கள் ?

எந்த சட்டசபைக்காக

இந்த பறவைகள்

இப்படி கூச்சலிடுகின்றன ?

அதன் பேச்சுக்கெல்லாம்

தலையாட்ட - மரம்

காற்றுக்கென்ன கடன்பட்டது ?

எந்த சிபாரிசுக்கு

இந்த நெல்மணிகள்

தலைகுணிந்து நிற்கின்றன

விட்டு விடுதலையாகத்தான்

நினைத்தேன்

எங்கும்

வாழ்க்கை வியாபாரம் !

மு. சக்தி நாராயண் குமார்

992325

Elex.

MOVING THOUGHTS

Maybe God wants us to meet a few wrong people before meeting the right one so that when we finally meet the right person, we will know how to be grateful for that gift.

When the door of happiness closes, another opens, but often times we look so long, at the closed door that we don't see the one which has been opened for us.

The best kind of friend is the kind you can sit on a porch and swing with, never say a word, and then walk away feeling like it was the best conversation you've ever had.

It's true that we don't know what we've got until we lose it, but it's also true that we don't know what we've been missing until it arrives.

Giving someone all your love is never an assurance that they'll love you back! Don't expect love in return; just wait for it to grow in their heart but if it doesn't, be content it grew in yours. It takes only a minute to get a crush on someone, an hour to like someone, and a day to love someone, but it takes a lifetime to forget someone.

Don't go for looks; they can deceive. Don't go for wealth; even that fades away. Go for someone who makes you smile because it takes only a smile to make a dark day seem bright. Find the one that makes your heart smile.

There are moments in life when you miss someone so much that you just want to pick them from your dreams and hug them for real!

Dream what you want to dream; go where you want to go; be what you want to be, because you have only one life and one chance to do all the things you want to do.

May you have enough happiness to make you sweet, enough trials to make you strong, enough sorrow to keep you human, enough hope to make you happy.

Always put yourself in others' shoes. If you feel that it hurts you, it probably hurts the other person, too.

The happiest of people don't necessarily have the best of everything; they just make the most of everything that comes along their way.

Happiness lies for those who cry, those who hurt, those who have searched, and those who have tried, for only they can appreciate the importance of people who have touched their lives. Love begins with a smile, grows with a kiss and ends with a tear. The brightest future will always be based on a forgotten past, you can't go on well in life until you let go of your past failures and heartaches.

When You were born, you were crying and everyone around you was smiling. Live your life so that when you die, you're the one who is smiling and everyone around you is crying.

M. Suresh
982327
III IT

TITANIUM - A WONDER METAL

Prof.R. Asokamani, Coordinator, Division of Science and Humanities,
Madras Institute of Technology, Anna University, Chromepet, Chennai - 600 044

Few materials have as much potential for dynamic growth during 2000 and beyond, as Titanium. It is on the cutting edge on some really exciting and extraordinary developments, many of which are in the newly emerging technologies. Once thought to be expensive, Titanium, in life cycle costing, is now more often seen to be economical.

Titanium metal which is abundantly available in our country has a wide variety of applications in very diversified areas when alloyed with Aluminium, and other metals. Use of Titanium alloys began in the middle of the last century as materials in jet engines and as structural components particularly in supersonic fighters. Since then titanium found increased usage in both military and civilian aircraft industry on account of weight saving and increased pay load considerations.

Why-Ti?:

Development of Titanium alloys with improved properties such as high strength and creep resistance up to 600°C resulted in wide spread application for engine and airframes in Boeing 747, Douglas aircraft and Lockheed's L1011. Use of this lighter alloy leads to considerable reduction in fuel consumption. Extensive research and development on Titanium aluminides and Titanium metal matrix composites is underway for their use in high temperature engine applications and automobile valves.

The objective of this article is to bring out the applications of Titanium from aircraft engines to human heart valves. Though India is bestowed with abundance of Ti, it is unfortunate that it is not used to the extent it should have been.

Titanium is also need in a variety of space applications such as launch vehicles missiles, spacecrafts etc.. . Vikram Sarabai Space Center at Thiruvananthapuram and Defence Metallurgical Research Laboratory, Hyderabad are some of the laboratories which are very much involved in certain selected areas of the above mentioned developments. The other fields of great significance where Ti alloys could be used are listed below [1].

Power Generation:

Power generation industry has become a major area of application for commercially pure titanium as material construction for heat exchangers used both in nuclear and thermal power plants because of

their excellent corrosion resistance and improved heat transfer properties. Titanium is also used in steam turbines of large power stations with capacity of 500 MW and above in the form of Ti-6Al-4V blades.

Chemical and petro chemical industries:

Because of its outstanding corrosion resistance, Titanium has been in use in chemical industries for the manufacture of equipment for storage and handling of acids and industrial chemicals.

MY BEST FRIEND

My friend is a different boy
 And shines like a pearl
 He accompanies me! When
 I'm sad,
 He beats me! When
 I'm bad,
 He regulates me! When
 I'm irregular,
 He corrects me! When
 I'm wrong,
 He encourages me! When
 I'm discouraged,
 Of course!! We fight
 With each other,
 But he stops soon
 And goes no further,
 I am lucky to have
 Him as my friend
 The love for each other flows
 Spontaneously And will
 Remain forever and at all
 Circumstances!!!

What else?!

Dinakaran joshuva
 20002281
 II Auto

DATA MINING: A SURVEY

By

S. GOPALAKRISHNAN

ASST. UNIV. LIBRARIAN

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INTRODUCTION

Computer, communication and technology are fundamentally changing the global perspectives of time, distance and spatial boundaries. This also paved way for information advancement. Data and information became a vital resource of any organization. Today's work place is evolving from a skill-based environment to one that is knowledge-based environment. This transformation also focuses on day-to-day tasks too.

The exponential growth in data and databases has generated an urgent need for new techniques and tools that can intelligently transform the data into useful information. One such technique that emerges out from the need is Data mining.

WHAT IS DATA MINING?

Data mining is a new class of intelligent analytical method having ability in assisting the users in analyzing the mountains of data of useful knowledge. Data mining means a process of nontrivial extraction of implicit, previously unknown and potentially useful information from data in databases. In other words data mining is the process of posing various queries and extracting useful information, patterns and trends often previously unknown from large quantities of data possibly stored. Data mining also referred to as knowledge discovery in databases. Knowledge mining from databases, knowledge extraction, data archaeology, data dredging, data analysis are some of the terms frequently used for data mining.

Data mining is an iterative process of extracting interesting knowledge from data in large databases.

- ❖ Knowledge could be rules, regularities, patterns, relationships, constraints etc.
- ❖ Knowledge should be valid and potentially useful.
- ❖ It is the hidden information in the data that is useful.

DATA MINING TECHNIQUES

There are number of data mining techniques have been developed. These can be categorized based on

1. Kind of database to work on
2. Kind of knowledge to be mined
3. Kind of technique to be utilized

BASIC STEPS IN KNOWLEDGE DISCOVERY

The basic steps involved in data mining process are

- ❖ Problem analysis
- ❖ Creating and selecting target data
- ❖ Data cleaning and processing
- ❖ Data transformation
- ❖ Data mining
- ❖ Output analysis and review

APPLICATION AREAS

The data mining techniques can be applied to various areas where information is travelling in large. Some of the potential areas are:

- ★ Business
- ★ Banking
- ★ Biotechnology
- ★ Chemical industry
- ★ Criminology
- ★ Education - Student promotion
- ★ Engineering/Manufacturing and Maintenance
- ★ Financial & Economic analysis
- ★ Medicine
- ★ Marketing
- ★ Science and Technology
- ★ Telecommunication

DATA MINING TECHNIQUES

Most commonly used data mining techniques are

- ❖ Decision Trees
- ❖ Neural network
- ❖ Genetic Algorithm
- ❖ Nearest Neighbour method
- ❖ Rule induction method

The technique adopted depends upon the user and the information needs of the environment.

MAPPING OF DATA MINING PROBLEMS

Examining some of the often-cited applications of database mining has identified three classes of database mining problem. They are

- * Classification
- * Association
- * Sequencing

These classes certainly do not exist in all database-mining applications.

DIRECTIONS AND TRENDS IN DATA MINING

Some of the current trends in data mining include:

- * Mining distributed, heterogeneous, and legacy databases
- * Mining multimedia data - Audio Mining, Video Mining, Image Mining
- * Mining data on the World Wide Web
- * Security and privacy issues in data mining
- * Metadata aspects of mining
- * Multilingual Mining
- * Multi-strategy Learning
- * Mining Combinations of Data types - Integration Data Mining

SOFTWARE SYSTEMS FOR DATA MINING

Some of the popular data mining software systems are:

- | | | |
|---------------------|---|----------------------------|
| ☆ CLEMENTINE | - | Integral Solutions Ltd |
| ☆ DATA MINING SUITE | - | Information Discovery Inc. |
| ☆ DATAMIND | - | Red Brick |
| ☆ DB MINE | - | Rutger |
| ☆ DB MINER | - | Simon Fraser University |
| ☆ EXPLORA | - | GMD |
| ☆ GeoMiner | - | Simon Fraser University |
| ☆ IDEA | - | AT & T Laboratory |
| ☆ IDIS | - | Information Discovery |
| ☆ IMACS | - | AT & T Laboratory |
| ☆ INTELLIGENT MINER | - | IBM |
| ☆ MineSet | - | Silicon Graphics |
| ☆ QUEST | - | IBM |
| ☆ SKICAT | - | JPL/Caltech |
| ☆ SPSS | - | SPSS Inc. |

CHALLENGES OF DATA MINING

The kind of challenges one has to face during the development of data mining techniques are :

- ◆ Handling of different types of data
- ◆ Efficiency and scalability of data mining algorithms
- ◆ Usefulness, certainty and expressiveness of data mining results
- ◆ Expression of various kinds of data mining requests and results
- ◆ Interactive mining knowledge at multiple abstraction levels
- ◆ Mining information from different sources of data
- ◆ Protection of privacy and data security

INDIAN SCENARIO

Few organisations such as IIT Bombay, IIT Kanpur, IBM Bangalore, TATA Infotech Bombay, ISI Calcutta are concentrating in this area. Some of the projects that are under taken include customer satisfactory survey, Classification of Archaeological materials and market survey of quality control.

CONCLUSION

Data mining technology leads to the development of techniques such as Online Data warehousing, Data Mart, Online Analytical processing (OLAP), Data Mining market and Knowledge Discovery in Database (KDD). This technology also leads to the development of certain concepts such as E-Commerce, etc.

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EXCERPTS FROM
ECONOMIC DEVELOPMENT SOCIAL OPPORTUNITIES

by

Jean Dreze

Amartya Sen

Literacy is a basic tool of Self Defence in a society. Illiterate person is less equipped to defend herself in Court
to obtain bank loan
to enforce his / her inheritance right
to take advantage of new technology
to compete for secured employment
to get on the right laws
to take part in political activity

- * basic education is a catalyst of social change
- * The spread of education helps to over come the traditional inequalities of caste, class, creed and gender
- * It imbues him with a sense of self worth and confidence

“Print is a liberating revolutionary experience. It frees him from his group, his social customs, his routine”.

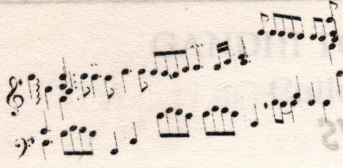
Illiteracy & Poverty are considered to be the two sides of the same coin.

India has the dubious distinction of being the country with largest adult illiterate population.

Collected by

Dr. S. Renganathan

Dean, MIT



MUSIC

இசை என்றால் என்ன?

எல்லா உயிரினங்களையும் (ஓர் அறிவு முதல் ஆறு அறிவு வரை) இசைய வைப்பது (தன் வசப்படுத்துவது) இசை.

இந்திய இசையில் இந்துஸ்தானி, கர்நாடகம் என்று இரு வகைகள் உள்ளன.

கர்நாடக இசையில் 72 தாய் ராகமும் (Main Ragas), பல வகை சேய் ராகமும் (Sub-Ragas) உள்ளன.

"15" வது ராகம் "மாயா மாளவ கௌளை" மாயா மாளவ கௌளை ராகத்தில் வரும் ஸ்வரஸ்தானங்களின் பெயர்கள்.

"ச" - சட்ஜம்

"த" சுத்த தைவதம்

"ரி" - சுத்த ரிசபம்

"நி" - காகிலி நிஷாதம்

"க" - அந்தர தாந்தாரம்

"ச" - மேல் சட்ஜம்

"ம" - மத்யமம்

"ப" - பஞ்சமம்

தாளம் : ஆதி

ஆதி தாளத்தின் பாகம் மூன்று

அவை லகு, திருதம், திருதம்.

தட்டி விசில் எண்ணுவது லகு. லகுவின் அடையாளம் "4". லகுவின் எண்ணிக்கை நான்கு (4).

தட்டி திருப்புவது திருதம். திருதத்தின் அடையாளம் "0₂". திருதத்தின் எண்ணிக்கை இரண்டு

(2). ஆதி தாளத்தின் மொத்த எண்ணிக்கை எட்டு (8).

இவை அனைத்தும் எல்லா இசைகளுக்கும் அடிப்படை.

இசை மனத்திற்கு அமைதியையும் சந்தோஷத்தையும் தரும், மனம் நிம்மதியை தேடும்பொழுது, இசை அதற்கு இதம் தரும்.

R. SATHIYAMOORTHY

20003119

IT

LOVE HER CLONE HER.....

"Dear Angela,

Do you remember the day we first saw each other? you were standing on the balcony at a height of twenty metre from the ground. When my eyes met yours at an angle of elevation of 30° and when yours met mine at an angle of depression of 60°, the whole universe might have come to a standstill.

The place, we first met smelt horribly like hydrogen sulphide (rotten egg) but when you alighted there the whole atmosphere was perfumed with Acetyl benzoate (jasmine). Even your mentholated voice had the power to purify the air.

You looked like a fairy to me and your countenance radiated with a luminous intensity of hundred candela. If you are a circuit then I would be the current flowing around you all the time. You are a magnet that pulled me with its magnetic intensity and now, I had fallen into its magnetic flux - fallen in love, I mean.

Awaiting your reply with 3×10^8 kisses per second.

Yours for ever,"

AJITH.

Ajith closed his letter. No doubt a scientist like him would write his proposal in scientific terms. Ajith is a genetic engineer, my associate, in the labs of massachusetts Insitute of Technology ; so is Angela - Angela Parker. Ajith is a serious and reserved type of person submerged in learning all the time. He had come all the way to the USA with a strong quest for amazing discoveries in genetic engineering and pride to his motherland. He had no ordinary dreams of an Indian wife, British House, Chinese food and an American salary - feeble wishes of feeble souls. Angela was researching for the gene connection in various races. The greatly admired Indians and India. This might have brought the transformation in the dreams of a project to the dreams of this dream girl in Ajith.

It was unusual, sultry evening. Angela had called Ajith to dine with her that night in a restaurant. Ajith reached the hotel an hour before. A wonderful change had occured in this shably scholar to a gentleman styled up in vogue. He tried to hide his expressions under his creamy marriage shirt. Minutes passed like ages when Angela kept up India puntuality and came a bit late. She was dressed casually in poppin shirt with a bright red hue on her lips and a rosy tink on her chubby cheeks. Ajith ordered for steam - rising hot coffee and she for a fruit flavoured carbonated drink, nothing more for the party. Silence reigned the candlelit party on that moonlight-night. Ajith was sitting with his eyes fixed to the ground - he had not the power to look into the eyes of Angela.

"Ajith", Angela called.

Ajith looked up. Simultaneously Angela lowered her gaze mechanically, down to the ground and continued,

"I don't love you," she finished.

"I am already in love with....."

"But that day you said you loved Indians" intervened Ajith.

"That doesn't mean I loved you"

"....."

"Ajith, you have more important work to do. Forget me and concentrate on your work. Goodeye for now." Saying this Angela left the restaurant.

Tears ebbed in the eyes of Ajith but he didn't want them to flow down. He moved like a corpus to the bar nearby and quenched his sorrow with a few gulps of raw liquor. Thunder struck the sky and it began to downpour, seems nature had joined hands with him in times of distress and shared it. Dark minutes of the day passed with the dark moments of his life.

Ajith slowly moved to his room and drew a revolver from his locker. He put the revolver's mouth into his own and was about to press the trigger, when I intervened and stopped him.

"What are you trying to do?" I asked.

Ajith could speak nothing. The controlled tears flowed out freely as water from a dam. Tears rolled down the cheeks, down the corners around the nose and into his mouth. Suddenly he stood up as straight as a statue.

"I am going to kill Angela. Women are such dirty creatures and treacherous that I will destroy them all"

I stood awe struck. I overcame myself, made him sit and reassured him.

"I could understand you, son. I know how it would be painful and unbearable to be rejected."

Ajith could speak no more. He dropped the pistol.

"You have more work to do. Did you come all the way to the US to make a fool of yourself and destroy yourself. Try to forget what had happened."

I left the room.

The next morning when I entered the lab, Ajith was present before me. A huge smile lit up his face as evident from the number of curves on his face.

"Come in, professor." he called to me.

"That I see is not a dream, isn't it?"

"Exactly no. I have whimsical idea to offer."

"That's the spirit, son. Tell me the whim." I neared him.

"I am going to create a clone of Angela."

"What t' I could not believe my ears."

"Yes professor. I am going to clone Anjela and marry her, of course."

A sharp grin appeared on his face.

"Joking" I raised by eyebrow.

"I am damn serious, professor." he said loudly.

"I am ready to help you, son."

"I want the blood of Angela."

I went straight to Angela parker and revealed the matter to her. Anjela laughed at this idea though she had a worry about the after-effects of this. But she was ready to offer one entire capillary tube of blood.

From that day to a period of about two long years, Ajith extracted the various genes relating to the countenance, physique, intellectual, wisdom etc. and isolated it.

He obtained an ovum, as is very largely available in this lab. He began to place the ovum in an ovaculator and fertilized it with a sperm. Then he inserted the DNA's that would give the countenance and physique of Angela. Then he planted the fertilized egg in a donors womb. After ten months, a baby girl was born - the world's first clone. But Ajith was not willing to reveal the matter to the world. We named her "ANDI" - Inserted DNA but Ajith named her Angela.

Ajith sent the baby back to India to be bred and brought up in Indian culture. Eighteen long years passed. Angela grew up to resemble none other than Angela parker in form, figure and stature.

One day she received a parcel. In it were found a passport of Angela, a visa card and a travel ticket to New York. Angela too was excited to go to USA and meet her creator.

Back here in US, Ajith now in his mid-forties was arranging for a wedding. It was obvious that the bride is Angela but who is the groom. When Angela entered the house, she was struck with wonder at the decorations made for her arrival.

"I am going to marry you, darling." Ajith said.

Angela could not believe her ears. She looked puzzled at Ajith.

"Yes darling, I am going to marry you."

"Father." Angela spoke

Now Ajith looked at her with a puzzle on his face.

"As it is you who gave me life, you are more a god to me. How can I marry a person kept near god?" Ajith was thunder - struck.

"You bred and brought me up. You are more a mother and father to me. How can I marry you?"

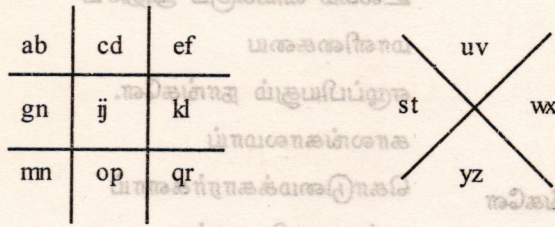
I respect you, father and I love you, father".

Tears refused to flow down the cheeks of Ajith. He realized his folly and adopted Angela as his daughter. Both were engulfed in love for each other.

G. KANNADHASAN
I Elex.

காதலர்களுக்காக மட்டும்

என்ன காதலர்களே! உங்க லெட்டரை Friends படிச்சுடறாங்களா? நீங்க எழுதறது உங்க Friendsக்கோ இல்லை உங்க வீட்டுக்கோ தெரியாம இருக்கணுமா? அப்படின்னா இது உங்களுக்காவே கண்டுபிடிக்கப்பட்ட LOVE LANGUAGE



Letters

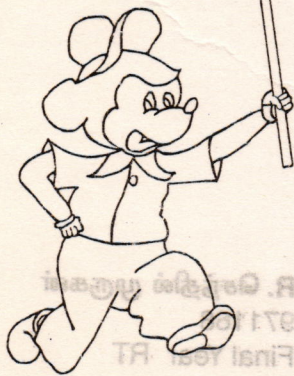
Symbols

- a
- b
- c
- d
- i
- j

Letters

Symbols

- s
- t
- y
- z



குறிப்பு : நீங்க எந்த ஆர்டரேயும்

வைச்சுக்கிடலாம். அது உங்க 2

பேருக்கிடையே சீக்ரெட்டா வச்சுக்கோங்கோ !

GURU. VIGNESHWARAN

20002989

I Elex.

நாங்கள் மோசமானவர்கள்

உங்கள் வர்ணனையில்
நாங்கள் மோசமானவர்கள் தான்
கற்பு கற்பு என்று
பெண்ணின் கவுரவத்தை
கண்ணகி சீதையாக
காட்டியதும் நாங்களே ...
கலியுலகில் இவர்களும்
சரிநிகர் சமானம்
பெறட்டுமே ... என்று
ஏக்கக் கனவுகளோடு
புதுமைப் பெண் படைத்ததும் நாங்களே
காலத்தால் அழியாத
இலக்கியங்களில் எல்லாம்
மையக் கருக்களாக்கி
காவியம் படைத்ததும் நாங்களே
உடன்கட்டை கொடுமைக்கு
கொள்ளி வைக்க
உயிர்கொடுத்துப் போராடி
ஒழித்ததும் நாங்களே

ஒவ்வொரு வெள்ளிக்கும் பின்னும்
நீங்கள்தான் என அடித்து சொல்லி
காலர் தூக்கி விட்டு கர்வம்
கொண்டதும் நாங்களே
பெண்மையின் மீதான
அளவுக்கு மீறிய காதலால்
உலகம் வியக்கும் அதிசய
மாளிகையை
எழுப்பியதும் நாங்களே.
காலங்காலமாய்
கொடுமைக்காரர்களாய்
குற்றவாளிகளாய்
சித்தரித்தது போதும் எங்களை...
எந்த மும்மதாவது
கட்டிய ஏதாவதொரு
தாஜ்மகாலை உலகில்
எங்காவது காட்டுங்கள்
பார்க்கலாம்?
நாங்கள் மோசமானவர்கள் தான்
ஆனால் பாவமானவர்கள், நேசமானவர்கள்.

குரு. விக்னேஷ்வரன்
20002989
IElex.

வீழ்வது வெட்கமல்ல
வீழ்ந்தே கிடப்பது தான் வெட்கம்
வீழ்வது உறுதி என்றால்
அதுகூட உன் முன்தான்
ஏனெனில் உயிர்முன்
உடல் வீழ்வது வெட்கமல்ல

R. செந்தில் முருகன்
971168
Final Year RT

இளைஞனே !

- * உன் வாழ்க்கைச் சுவடியை சற்றே
பின்னோக்கிப் புரட்டிப்பார்.
- * பள்ளிப் பருவத்தில்
ஆசிரியரை ஏமாற்றுவதாக நினைத்து
நீ கல்வியில் ஏமாந்தது தெரியும்
பெற்றோரை ஏமாற்றுவதாக நினைத்து
நீ பண்பை இழந்தது தெரியும்
- * பேரின்பங்கள் எத்தனையோ இருக்க
சிற்றின்பங்களில் நீ சீரழிந்தது தெரியும்
- * விண்வெளி ஆராய்ச்சி எங்கோ
சென்று கொண்டு இருக்க - நீ
உன் காதலியின் கண்களை ஆராய்ந்து
காலத்தை வீணடித்த நாட்கள் தெரியும்
நீ எத்தனை பொய் முகங்கள்
அணிந்திருக்கிறாய் என்பது புரியும்.
- * இளைஞனே விழித்துக் கொள்
நடந்தவை நடந்து விட்டன - அதை
மாற்ற முடியாது. இனி நடப்பவை
நல்லவையாக இருக்கட்டும்
- * உன் புத்தியை பட்டை தீட்டிக்கொள்
வெற்றிக் கனி உனக்காக
காத்துக் கொண்டிருக்கிறது.
- * உலகம் வியக்கும் சாதனையைப்
புரியத் தயாராகு - உலகம்
உன் கையில் அடக்கம்.
- * இனியாவது
உன் வாழ்க்கைச்சுவடி
உன் புகழ் பாட்டும்



வள்ளுவன்
வழியில்
வாழ்ந்து சிறப்போமாக.

வள்ளுவன்
வழியில்
விக்னேஷ் ...

குரு. விக்னேஷ்வரன்
20002989
I Elex.

ஏய் வானமே
ஏன் அழுகிறாய்
என்னவளைப் போல்
உன்னவள் உன்னை
ஏமாற்றி விட்டாளோ

நண்பன்

துடுப்பில்லா உன் வாழ்க்கை படகிற்கு துடுப்பு போன்றவன்
கரையில்லா உன் அலைபாயும் மனதிற்கு கரையை போன்றவன்
சிறப்பில்லா உன் சிறந்த செயலுக்கு சிறப்பை கொடுப்பவன்
இன்பமில்லா உன் துன்ப வாழ்க்கைக்கு இன்பம் தருபவன்

புஷ்பங்கள் வாங்கி வைத்தேன் என்னவள் வருகிறாள் என்று
புத்தாடை உடுத்தி நின்றேன் என்னவள் வருகிறாள் என்று
நண்பர்களை ஒதுக்கி வைத்தேன் என்னவள் வருகிறாள் என்று
நடுநிசி வரை காத்திருந்தேன் என்னவள் வருகிறாள் என்று
என் உயிர் நண்பனே வந்தாள் என்னவள்
அவள் திருமண அழைப்பிதழோடு

பெண்ணே
உன்னை LIC POLICY என்று
என் இதயத்தை
இன்ஸ்யூர் செய்தேன்
ஆனால் நீயோ
PRIVATE FINANCE ஆக
என்னை ஏமாற்றி விட்டாயே

TEST TUBE ஆக நீ இருந்தால் அதை
இறுக்கிக் கட்டிக் கொள்ளும்
TEST TUBE HOLDER ஆக நானிருப்பேன்



து. சரவணன்

இறுதியாண்டு

இரப்பர் தொழில் நுட்பம்

சொர்க்கம் -
தாயின் அரவணைப்போ?

யாதித்யமலையி ரஞ்சாக ய்முறாம ர்வினாக
ந்ராத் ய்முறாக ர்வித்யி கணம்...
யாதித்யம்



T. KANNAN
I Bex.

S. JAGATHEESAN
III Production
9925821

கனவில் வாழும் காதல் தேவதையே
உன்னை நேரில் காணும் நாள்
எந்நாளோ

கனவில் வாழும் காதல் தேவதையே
உன்னை நேரில் காணும் நாள்
எந்நாளோ



S. JACATHESAN
III Production
992821

T. KANNAN
I Elex.

தமிழ்நாடு மாநிலப் பரிசாப புறப்படு

அன்று
முக்கடல் இருந்தும்
முழுகாத பாரதம்
இன்று
மதுகடலை ஓடவிட்டு
மங்கையரை ஆடவிட்டு
ஊர்பணத்தில் உண்டு
வளர்ந்த நண்டுகளால் ...
பாரதம்
முச்சி திணருகிறது !
சாக்கடையில் !!
கேள்வி கேட்க
வேண்டிய மனிதரோ
உயிருள்ள பிணமாய்
அந்தமான் சிறையில்
அமைதியாய் தேய்கிறான்.
இளைஞனே ...
இதை கண்டு வருத்தப்படுகிறாயா ?
அப்படியானால்
மதயானையோடு
மல்யுத்தம் போட
புறப்பட்டு விடு ...
வெற்றியோ, தோல்வியோ

குறைந்த பட்சம்
உன்
வரலாறு ஒரு
தெருவுக்காவது
தெரியட்டும்...
பாய்கின்ற அம்புக்கு
புறப்பட்ட இடமல்ல
முக்கியம்
சேருகிற இடமே ...
இளைஞனே ... நீ
புறப்பட்டது கனவெனில்
கனவுகளே! கனவுகளே !!
கலைந்துவிடாதே ...
இது
நிஜம ! நிஜம !!
நிஜமெனில் - இந்த
கிறுக்கனுக்கு
இனி என்ன வேலை
இங்கு

T. கண்ணன்

I Elex.



துன்பங்களைக் கண்டு துவளாதே மானிடா

துன்பங்களைக் கண்டு
துவளாதே மானிடா
துன்பமும் விடியப்போகும்
இரவுதான்
எதிரிகளின் துன்பத்தினால்தான்
சீன பெருஞ்சுவர் எழுந்தது
காதலின் மறைவுச்சோகத்தில்தான்
தாஜ்மகாலும் எழுந்தது
விதையும் மண்ணிற்குள் புதையுண்டால்தான்
மரமாக முடியும்
பூக்களும் காய்ந்து உதிர்ந்தால்தான்
கனியாக முடியும்.
நண்பனே
எதையும் தாங்கும் இதயம்
இருந்தால்தான்
எதிர்காலம் எதிர்பார்ப்பை மிஞ்சும்
எழுவதற்கே வீழ்ச்சி
சிரிப்பதற்கே அழுகை
வெற்றிக்கே தோல்வி
மூச்சை கொஞ்சம் அடக்காமல்
முத்து குளிக்க முடியாது
(எங்கேயோ எப்போதோ கேட்டது)



P. வடிவேல்
992106
II AERO



ஏழையின் சிரிப்பில்
இறைவனை காணலாம்
நாத்திகரின் கூற்று ...
உண்மைதான் ஏழையும்
சிரிக்கப்போவதில்லை
இறைவனையும்
காணப்போவதில்லை

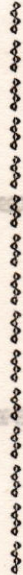
விவசாயிகள் நாட்டின்
முதுகெலும்பு என்பார்கள்... ஆம்,
முதுகெலும்பு எப்படி
முன்னுக்கு வர முடியும் ... ?

S. பிரகாஷ் விஷ்வநாத், B.Sc.,
981635
Final Auto

D. விஜய பாஸ்கர்
992534
II PT.

சின்னப்பிள்ளை
சிக்கிரம் எழுவாய்
பாடங்கள் படித்தி
பாடங்கள் பெற்று
பாடிகளில் நியம்
பற்றி செல்லாய்
சான்றொண்கைகள்
சான்றொன் - நெடுவின்
நெடுவின் செல்வோம்
நற்பெயர் பெற்றவோம்

அறிவுரை



II Elex.
கல்விச்சென்

வெள்ளை காக்கித்தல்
கடுப்பு அம் - காலியம்
கடுப்பு காக்கித்தல்
வெள்ளை அம் - ஒலியம்
கடுபும், வெள்ளையும்
ஒட்டியது கலிச்சை
கடுபும் வெள்ளையும்
ஒட்டாதது: கலாயம்

T. கண்ணன்
I Elex.

ஏய் மணிக்...
உன்
சிறகுகளே
சிறியைத் தள்ளேன்?...

தேவை ...
நாட்டிற்குத் தேவை
பாப்பர்கள்
அவ்வ
நாப்பர்கள்

பிரிவு
எப்பல் செயலே ...
இவையுள் காலம்
மரங்களாகத் தட்டெல்ல
எங்களுக்குத் தான்
பிரிக்கிறோமே
நண்பர்களே...

மற்றும் ...
அடிக்கடி சிரித்தால்
பைத்தியம் ஏற்பா...
அடிபண்ணினா ...
சிரிக்கிறீர்களே
நான் ஏன்
பைத்தியம் ஆனேன்

ஒற்றுமை

- கவலையில் கான்ஸ்டபிள் ?
சரியான ஆவணங்கள்
காரோட்டியிடம் !
- குடிகாரர்கள்
திருந்தினார்கள் !
மாதக் கடைசி ?!
- திருப்பதிக்கே அல்வா ?
ஒரே மூட்டையில் ஒரு கோடி!
உண்டியலில் ? !
- மெரினாவில் டிரிஸ்ட்டுகள் ?
சாதிக்கட்சிப் பேரணி ?!
- அமிலம் என்று அறிந்தே
அருந்தினான்?
எய்ட்ஸ் ? !
- தபவு செய்து குப்பைகளை
குப்பைத் தொட்டியில் கொட்டாதீர்கள்?
குழந்தைக்குத் தொந்தரவு.

சி. குணசேகரன்

ரப்பர் தொழில் நுட்பத் துறை



- ☆ தேடினேன் !? தேடிக்கொண்டிருந்தேன் !!?
எங்கே ஒற்றுமை?
- ☆ சாலையில் ஒருவன் அடிபட்டு
சிந்தையில்லாமல் இருந்தபோது
அவனுக்கு உதவியவர் ஒரு சிலரே
- மக்களிடம் ஒற்றுமை இல்லை
- ☆ ரோடு போட போராட்டம் நடத்தினேன்
வெளியிலிருந்து கூட எவரும்
ஆதரவு தரவில்லை
- மக்களிடம் ஒற்றுமை இல்லை
- ☆ அரசியல்வாதி ஒருவன் புறம்போக்கை
ஆக்ரமித்தான்
எட்டிப்பிடித்து சண்டையிட்டேன்
எவரும் வரவில்லை
- மக்களிடம் ஒற்றுமை இல்லை
- ☆ நூலகம் ஒன்று அமைப்போம்
நூல்கள் தந்துதவங்கள் என்றேன்
எவரும் தரவில்லை
- மக்களிடம் ஒற்றுமை இல்லை
- ☆ உங்கள் உயிரோ, பணமோ வேண்டாம்
போராட்டத்திற்கு ஆதரவு வேண்டுமென்றேன்
திரும்பி கூட பார்க்கவில்லை எவரும்
- மக்களிடம் ஒற்றுமை இல்லை
- ☆ சினிமா தியேட்டரிலே படம் ஒடுகையில்
கண நேர மின்தடங்கல்
ஒரே குரல்
எங்கும்
ஒரே குரல்
"படம் போடு"
யார் சொன்னது
மக்களிடம் ஒற்றுமை இல்லையென்று
இதோ இங்கே இருக்கிறதே!!



S. சுரேஷ் குமார்

992589

III B.Tech P.T.

சூட்டிப் பிள்ளையின்
சின்னச் சிரிப்பில்
மறை மறந்த
மொட்டு



B. சந்திரா
981361
Elex.

கனவு
ஏய் சுரியனை ...
உன்னைக் கண்டு
முகமலர்ச்சியுடன்
பூக்கள் மலரலாம் !!
அதற்காக
விடியலை விரைவில்
கொண்டு வந்து
என் விழிகளை
விரித்து விடாதே...
ஏனெனில்
என்னவளை என்
கண்ணில் தாங்கி
கனவு காணும் நீராம் ...
அது!!

T. கண்ணன்
I Elex.

ஏக்கம்

ஓ. குறிஞ்சி மலரே
நீ பன்னிரண்டு ஆண்டுக்கு
ஒரு முறை மலர்கிறாய்
நான் மலர்ந்தும்
பன்னிரண்டு ஆண்டாகிறது
என்னைச் சூடிக்கொள்ள
எந்த ஆடவனும் வரவில்லையே
ஓ பொன்னில்லாத என்னை
பெண்ணாக ஏற்கவில்லையே

D. விஜயபாஸ்கர்
992534
II. P.T.4

இதயம்

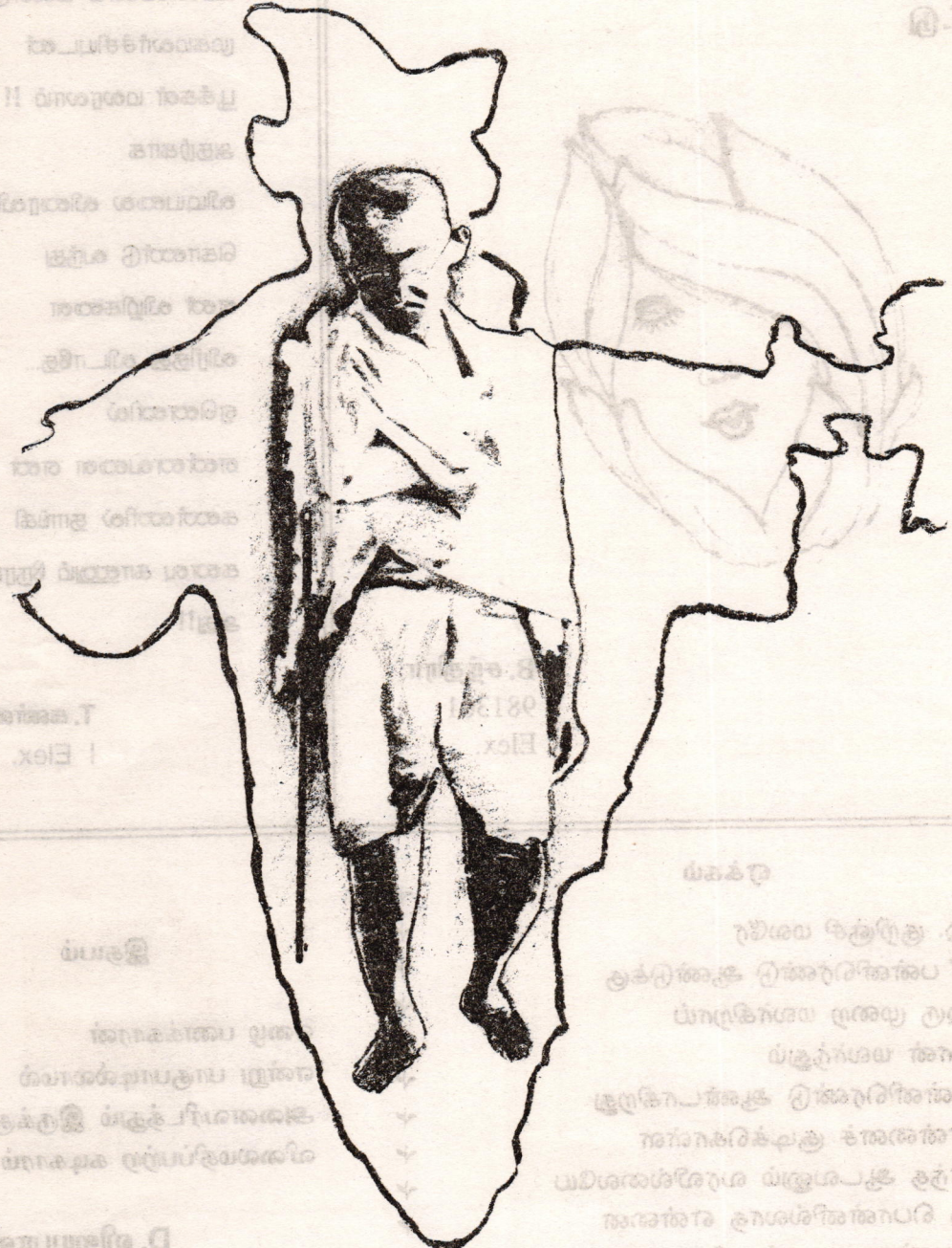
ஏழை பணக்காரன்
என்று பாகுபாடில்லாமல்
அனைவரிடத்தும் இருக்கும்
விலைமதிப்பற்ற கடிகாரம்

D. விஜயபாஸ்கர்
992534
II. P.T.

**இந்திய தாயின் துவப்புதல்வனே,
இதோ நாங்கள் புறப்பட்டுவிட்டோம் எங்கள் தாயை தூங்க.**

உணவாக உணவாக
உணவாக உணவாக
!! உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக

உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக



T. SUNDARARAJAN
Elex.

உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக

உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக
உணவாக உணவாக

D. விஜயபாண்டியன்
982534
II.P.T.

M. SOUNDARARAJAN
20002969
Elex.
II.P.T.

கவிதை

“காகா” வென்றே கரைந்திடுமாம் !

காலை மலர உரைத்திடுமாம் !

போகா இருளும் போயிடுமாம் !

புன்மை புதுமை ஆயிடுமாம் !

காக்கை வண்ணம் கருமேகம்

கானும் கண்ணும் இருளாகும் !

மூக்கை துளைக்கும் பொருளையெல்லாம்

முயன்று காக்கை தின்றிடுமாம் !

நீரைக் காணில் சிறகாலே

நெருக்கியடித்துக் குளித்திடுமாம் !

பாலில் காக்கை இடத்தினிலே

படிக்கப் பாடம் ஒன்றுண்டாம் !

உணவைக் கண்டால் உண்ணாமல்

ஊரைக் கூட்டி அழைத்திடுமாம் !

கணத்தில் சேரும் கூட்டமுடன்

களித்து வாட்டம் போக்கிடுமாம் !

காக்கை இடத்தில் ஒற்றுமையைக்

கற்றே உயர வேண்டும் நாம்

யாக்கை அழிந்தே போனாலும்

இறவா வாழ்வை அடைவோமே !

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

(டொலிபூ)

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

(டொலிபூ)

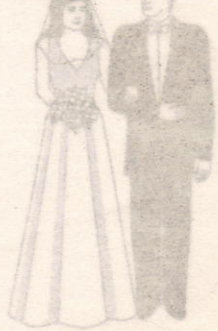
ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

ய்றாது டொலிபூ

(டொலிபூ)



P.S. சங்கர்

I RT

கொஞ்சம் பாருங்களேன்

பூவோடு நாரும்
உன்னோடு நானும்
உறவா சேரும்
இது காலை நேரம்

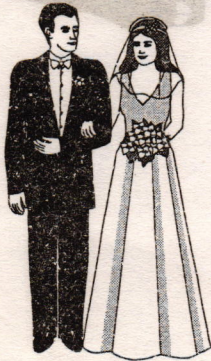
மண் பார்க்கும் பெண்ணே - நீ
மனம் பார்க்க வேண்டாமா
மனம் பார்த்த பின்னாலே
மலர் கோர்க்க வேண்டாமா
(பூவோடு)

மழை தாங்கும் மண்போல
உனை தாங்க வந்தேனே
உனை தாங்கி பின்னாலே
உயிர் தந்து சென்றேனே
(பூவோடு)

அலை சேரும் கரையோரம்
உனை சேர வருவேனே
நுரை பொங்கும் நினைவாக
நமை சேரும் சுகமாமே
(பூவோடு)

சுவிசென்

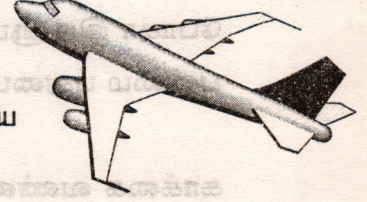
II. எலக்ட்ரானிக்ஸ்



Aero மாணவனின் காதலி

உன் கண்கள் என்ன
Control சிக்னலோ
பார்த்ததும் என் எண்ண அலைகள்
Land-ஆகி விடுகின்றன

உன் இதயம் என்ன
பனி மூடிய Runway-யோ
என் இதய விமானம்
இறங்கவே முடியவில்லையே



உன்னை கண்டவுடன்
நான் Start ஆகிய
விமானம் போலாகிறேன்
நீ என்னை கடந்து சென்றதும்
நான் Wings முறிந்த
விமானம் ஆகிறேன்

நீ அருகில் வந்ததும்
என் இதய turbine
உன் நினைவுகளை அரைத்தபடி

என் காதுக்கு எட்டாத உன் பேச்சுகள்
உன் கண்கள் எனும்
Control Signal மட்டும்
என் இதய மானிட்டரில்
அடிக்கடி வந்து போவதென்ன

நான் விமானம்
நீ wings
நீ இருக்கும் வரைதான்
நான் பறப்பேன்

நான் விமானம்
நீ Rudder
நீ விரும்பும் திசையில் தான்
என் பயணம்

நான் COCKPIT நீ Control room
நீ சொன்னபடி தான்
நான் கேட்பேன்

நான் விமானம்
நீ runway
நீ இருந்தால் தான்
என்னால் Land ஆக முடியும்

P. வடிவேல்
992106
II AERO

FIRE UNTO DEATH

“Those who plan evil things in their
Hearts; they continually gather
Together for war”

- PSALM 140
NEW TESTAMENT

The subject mentioned in the afore mentioned topic stimulates a sense of occult and mystery to the minds which are uninterested in classical theories that are truly fascinating. It is this propensity that brought me closer to these illusive paradoxes and I believe that no mystery is closed to an open mind.

During the process of studying one of these eerie evolutions, I shuddered to think of the loss that anyone would incur if he/she failed to go beyond the inexplicables. Can you imagine a person, right in front of your eyes turning into ashes in moments? Hence in this article I've made an attempt to explain one of the inexplicables. Anticipate the unforeseen, expect the unexpected in the universe of infinite possibilities. Read on....

Here I would like to give you a glimpse of the most dangerous paranormal phenomenon investigated so far – *THE SPONTANEOUS HUMAN COMBUSTION (SHC)*

Little one would realise the presence & validity of SHC, that dates back to 1853. John Hitchen, a carpenter died along with his wife and daughter during a thunderstorm. In 1985, a student called Jacqueline Fitzimon of Halton college burned walking down the stairs before the very eyes of Robert Larson, her lecturer and Home Office chemist Philip Jones.

WHAT IS SHC?

As the name indicates, it is the burning of a human body spontaneously without the aid of an external source to the extent that the bones of ribcage, pelvis and the backbone are reduced to ashes, which under normal circumstances would require a temperature of around 1000 degree centigrade.

The anomaly behind the combustion is that the surroundings remain undisturbed. The body is burnt from the trunk outwards but the fire doesn't reach the extremities of the body like the fingers and the limbs show not even a trace of combustion

THE ARRAY OF THEORIES

A number of scientists came forward with the intention of explaining this phenomenon. But the body being completely burnt, leaving no trace of any evidence, they couldn't unveil this quixotic anomaly. But we are fortunate that few of them have succeeded in giving explanation that could be partly understood.

One of the initial effects responsible for SHC is the so called 'WICK EFFECT' proposed by Dr. Douglas Drysdale, a fire safety engineer. He also demonstrated the effect in a documentary titled "A Case of SHC" in 1989 on the BBC.

"In a way, a body is like candle - inside out", he said. "in a candle the wick is at the centre and the wax is around it. As the wick burns, the candle becomes molten and the liquid is drawn into the wick and burns with a flame. In a body, which contain a lot of fat, the fat melts and is drawn onto the clothing which acts as a wick and then continues to burn". He also demonstrated this effect with animal fat wrapped in a cloth.

But he doesn't stress the type of fat that was burnt. Many obese people died whose bodies contained more water than fat. There was neither a word about this nor about the temperature of the process, the major culprit for the complete destruction of bones.

Some people seemed to have stood an evidence for SHC like Larson and Jones. They gave points that suggested the presence of a blue flame in the human gut region and the addition of water activating this process further. This led to another theory.

As per this theory the blue flame was due to the presence of methane which is normally released from the human body. But under extreme cases it may interact with some intense heat source producing explosion. The water acts as an activator in this process which is due to the presence of Magnesium and Titanium. A good example for this is the fighter aircrafts fires, where Mg burns with intense hot flame in the presence of water, which in due course produces hydrogen which induces more burning.

But this couldn't be a valid proof as Mg is found only in traces in our body. Even if it is that Mg acts as a initiator which is later fuelled by other materials, there is no demonstrative mechanism for this type of process.

THE TRUTH LIES WITHIN US

This necessitates us to look into the biochemical process of energy production in our body. Our body takes energy from food and performs various functions which are very complex reactions, yet they comprise of simple step by step reactions. Irrespective of the initiator of fire, the common objection to the initiation of fire is the presence of around 70% water in the body. But Chemical engineer Hughes Style's study suggested a different thing.

He said that the heat source oxidises the carbon in the organic molecules in the cells of the gut to CO₂ which is an exothermic reaction generating a large amount of heat and as a result it evaporates the water in adjoining cells. To substantiate his study he gave a calculation that the trunk of an average human being burning in this way would produce in the region of around 2 million joules of heat which is more than twice the heat required to evaporate the entire water content of the body. But even this theory breaks down due to the reason that it couldn't explain the absence of water vapour that condense near the site of burning.

We have many more theories that try to explain this unexplained thing, like Phosphine theory, Alcoholic & Obesity theory, Exotic Cold Fusion theory etc. I would like to bring to light a striking proof that has certainly given a new dimension to this anomaly and has made us realise this dementing presence of one of the most baffling problems in Paranormal science. Very recently, there was a case of SHC, the first of its kind in France. It appeared in the GLOBESCAN section of THE HINDU dated DEC- 11, 1998.

ABSTRACT

PARIS: French police are investigating their first suspected case of SHC- an elderly woman reduced to a pile of ashes and a slipped foot while sitting in home in a chair. The remains of Gisele, a 67 year old widow whose surname wasn't released were discovered on Nov-17 in the farmhouse near Honfleur where she lived alone. Police found no trace of break in and said that the house appeared untouched by the fire although the chair in which the woman was apparently been sitting was reduced to ashes, a number of tiles had cracked and there was soot traces on the walls and ceiling. The only recognisable human remains were an ankle and foot still in its slipper. Mr. Michael Savart, Director of Lille's Police Laboratory, said on Wednesday that he had no idea of what could have caused the fire. "The problem is that a fire hot enough to reduce a body to ashes like this can also destroy all the evidences relating to the cause. We have never had a case of SHC in France. We don't have all the facts or the circumstances of the incident," he said. [copyright telegraph group. London]

SHC, a not very well known phenomenon, is still a mystery. I've tried to establish a point that even an abnormal phenomenon could be a reality and illustrated the same with the help of some information.

Finally I would like to sign off with the great Quantum Theorist, Richard P Feynman's words of wisdom on reality.

"It has not yet become obvious to me that there is no real problem. I can't define the real problem, therefore I suspect there is no real problem, but I am not sure there is no real problem."

COURTESY:

1) "SHRISHTI" PREM KUMAR.

2) THE HINDU

3) INTERNET

G.V. JAIKANTH

I B.Tech. P.T.

Guru Vigneshwaran
2002889
I Elex.

The Difference Between Love and Like ...

*In front of the person you love, your heart beats faster.
But in front of the person you like, you get happy.*

*In front of the person you love, winter seems like spring
But in front of the person you like, winter is just beautiful winter.*

*If you look into the eyes of the one you love, you blush
But if you look into the eyes of the one you like, you smile.*

*In front of the person you love, you can't say everything on your mind
But in front of the person you like, you can.*

*In front of the person you love, you tend to get shy
But in front of the person you like, you can show your own self.*

*You can't look straight into the eyes of the one you love
But you can always smile into the eyes of the one you like.*

*When the one you love is crying, you cry with him
But when the one you like is crying, you end up comforting.*

*The feeling of love starts from the eye
But the feeling of like starts from the ear.*

*So if you stop liking a person you used to like, all you need to
do is cover your ears.
But if you try to close your eyes, love turns into a drop of tear
and remains in your heart forever after.*

Guru Vigneshwaran
20002989
I Elex.

மனமே அறிவாய்

நிலவினை தொடு மனமே!
 பூமியை அளக்க :
 வெயிலைத் தொடு மனமே!
 நிழலின் அருமை அறிய
 மரணத்தின் விளிம்பை முத்தமிடு மனமே!
 வாழ்வின் பயனை உணர
 பணத்தின் முகத்தினை தொடு மனமே!
 நிம்மதியின் நிஜத்தினை அறிய
 மலர்களைத் தொடு மனமே!
 மென்மையை உணர
 மழலையின் மனத்தினை தொடு மனமே!
 மகிழ்வின் ஏற்றத்தினை அறிய
 காதலிப்பாய் மனமே!
 கவிதை இயற்றிட



மணி இரண்டு
 கண்களில் தேள் கொட்டிட உணர்கிறேன்
 காவலனுக்கு கால்கடுக்க பணி வைப்பதை அறிகிறேன்!
 தெளிவாய் மனிதமே!
 சுதந்திரம் என்பது தெரிந்தவற்றை
 சுக்குநூறாய் உடைப்பது மட்டுமன்று
 தெரியாதவற்றின் அளவினை அறிய முற்படுவது
 நீங்கள் கடமையை கூட அறிய வேண்டாம்
 கடனை அடைத்தாலே போதும் ...
 உயர்ந்த உச்சியினை தொட வேண்டியதில்லை
 கூனிக்குறுகி போகாமல் இருந்தாலே தெளிவு
 கலியுக காலம் - இங்கே
 கடலில் இறங்கினால் புயல் அடிக்கும்
 நடந்து சென்றால் - மின்னல் முத்தமிட்டு போகும்
 தெளிவாய் மனிதமே !

P.K. சிவக்குமார்
 | Elex.

POLITICS FOR BEGINNERS

When you have two cows :

- Socialism : You must give one to your neighbour and keep one with you.
- Communism : The Government takes them both and gives you the milk.
- Fascism : The Government takes both and sells you the milk.
- Nazism : The Government takes both and shoots you.
- Capitalism : You sell one and buy a calf.
- Trade Unionism : They take them both from you, shoot one, milk the other and throw the milk away.
- Moral : Don't have anything to do with Cows. They bring you only trouble!

Compiled by :

K.Gopalakrishnan

971173

Final RT.

MAGIC NUMBERS

$9 \times 9 + 7$	= 88
$98 \times 9 + 6$	= 888
$987 \times 9 + 5$	= 8888
$9876 \times 9 + 4$	= 88888
$98765 \times 9 + 3$	= 888888
$987654 \times 9 + 2$	= 8888888
$9876543 \times 9 + 1$	= 88888888
$98765432 \times 9 + 0$	= 888888888

Source : Magic squares, Triangles, Cubes and Numbers

PLEASE DO LAUGH

Son : Daddy, why did you put your thumb impression on my progress report instead of your signature ?

Father : Because I don't want your teacher to think that anyone with your marks could possibly have a father who can read and write.

Teacher : What do you call a person who keeps on talking even when people are no longer interested ?

Student : A Teacher !!

Wife : Peter, when was the last time that we received a letter from our son ?

Husband : Just a second. I'll go and look into the cheque book.

WHAT HAVE YOU ACCOMPLISHED IN 24 HOURS ?

You heart beats 103,689 times.

Your blood travels 168,000,000 miles.

You breath 23,040 times.

You inhale 438 cubic feet of air.

You eat 3.25 pounds of food.

You drink 2.9 quarts of liquids.

You lose 7/8 pounds of waste.

You speak 4,800 words including some unnecessary ones.

You move 750 muscles.

Your nails grow by 0.01714 inch.

You exercise 7,000,000 brain cells.

Feel tired ??

Source : Children's big book of facts. Upkar's general science.

M. NISHANT

I Auto

FAREWELL

(Feelings of an outgoing (MIT) senior)

Leaving these dear familiar faces,
Going away to far-off places,
Saying adieu for the last time,
When the clocks that hour chime,
My heart aches with pain.

That four-chambered spot in my heart,
Is tom, crushed and cruelly rent.
My heart fills, and words choke,
I fight with all my might to shake
The tears that cloud my sight.

Those drops of sadness tear the veil
Of memories of those happy days,
When we have bid the clocks to back in time.
Those days of laughter and fun
Have set with the setting sun.

Those days when joy was double,
Those days when we shared every trouble,
Those days are gone, they are no more,
They have shut on us their fleeting door,
God alone knows when we shall meet.

When we'll again share secrets sweet ?
It may be now or may be never,
But memories I will always treasure.
Memories which no one can steal
Will try to make this deep wound heal.

G. ARUL MUTHU
992502
II PT

வெண்ணிலவும் காதலும்

பிரிவு

பெண்ணிலவே வெண்ணிலவை
இனியவள் என்றும்
எளியவள் என்றும்
மென்மையானவள் என்றும்
தண்மையானவள் என்றும்
அழகிய நீண்ட வானில் குடிகொண்டதால்
அழகிற்கே அழகை தருபவள் என்றும்
புலவர்கள் பலர் புகழ்ந்தனர்
அவள் கோலத்தை
ஆனால் அவள் அருகில் சென்று அடிவைத்த
பின்பே தெரிந்தது அவள் கொண்டது
கார்க்கில் போர்களைத்தைப் போன்ற
பள்ளத்தை என்பது

பெண்ணிலவே
காதலும் அது போன்றதே
வெளிப்புறத் தோற்றம்
அழகும் இனிமையும் உடையது
ஆனால் மரணப் பள்ளத்தாக்கை
மறைத்துக் கொண்டிருக்கிறது
ஆகவே நீ வெளிப்புறத் தோற்றத்தில்
மயங்கிக் திகைக்காதே
காதலின் பள்ளங்களில்
சிக்கித் தவிக்காதே

அனந்தலட்சுமி விஸ்வநாதன்
992338
|| Elex.

வானூர்தியை வடிவமைக்க வந்தவர்கள்
தானியங்கியை இயங்க வைப்பவர்கள்
மின்மென்பொருள் கண்டறிய வந்தவர்கள்
இயந்திரங்களை உருவாக்க வந்தவர்கள்
உலோகங்களுடன் உறவாட வந்தவர்கள்
இழுப்பானால் உலகை இயக்க வைக்க வந்தவர்கள்
இன்னும் சில தினங்களில்
திக்கெட்டும் சிதறும்
மத்தாப்புக் பொறிகளாய்

அன்று - முதலாமாண்டு முதல் நாள்
வசந்தங்கள் ஆரம்பம்
எல்லோரிடத்தும் கொஞ்சம் சந்தோஷம்
கொஞ்சம் பயம்
கொஞ்சம் வெட்கம்
கொஞ்சம் தோரணை
கொஞ்சம் தவிப்பு
கொஞ்சம் தேடல்...
காங்கோ காட்டில் சுற்றும் ஊமைக் குருடர்களாய்

நாட்கள் நகர்ந்தன
விசாரிப்புகள் - புன்சிரிப்புகள்
நட்பின் ஆரம்பம் அது
சின்னச் சின்ன நன்றிகள்
சிறிது நாளில் "வாங்க - போங்க"
வா போ என்றாகியது
வார்த்தைகளின் குறுநிலை அல்ல - அவை
நட்பின் முது நிலை

இன்று
"பிரிவு" சிலுவையாய் -
"நினைவுகள்" முட்கிரிடமாய்

நண்பர்களே கலக்கம் வேண்டாம்
பிரிவு மனிதர்க்குத் தாம்
மனதிற்கு அல்ல
மீண்டும் இணைவேளம் என்ற
நம்பிக்கையுடன் ...

ஜெ. மகேஷ்

இறுதியாண்டு உற்பத்தியியல்

இம்மலர்களின் சங்கமம்
MITMAG ல்,



எங்கள் அனைவரின்
சங்கமம்
M.I.T. யில்.

R. MUTHULAKSHMI
Final RT

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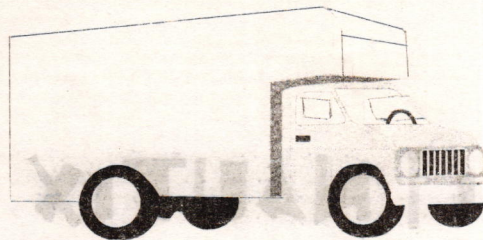
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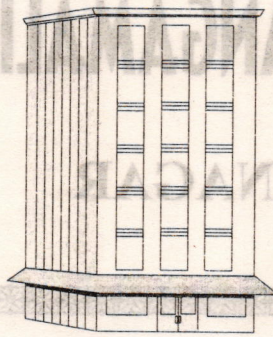
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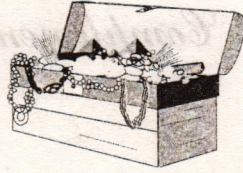


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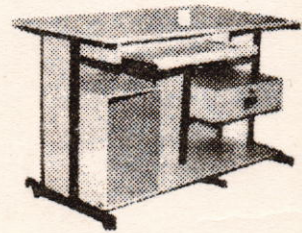
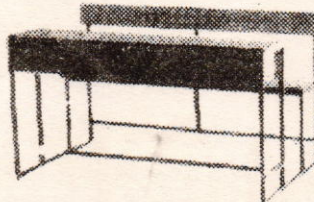
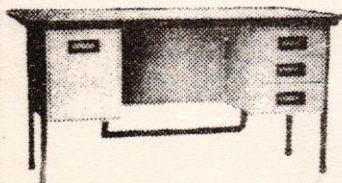
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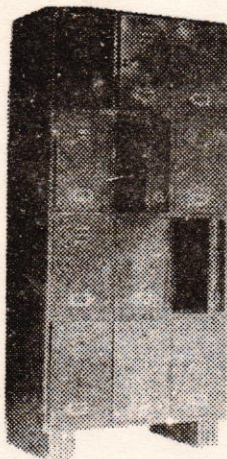
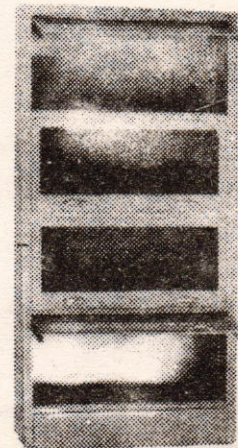
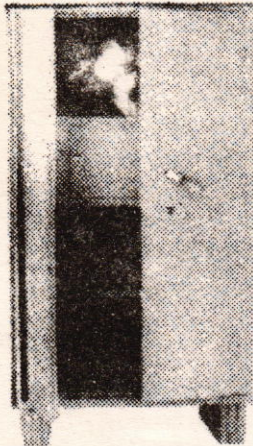
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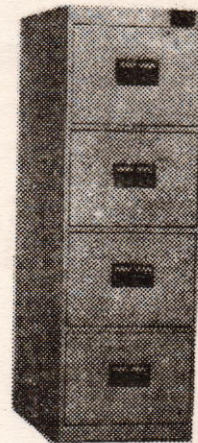
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(Oscar Winner, MIT Alumnus) Shines with a splendor



Literati adorning the dais on Founder's Day



The bone of Contention - the Sports Day Prizes in the foreground & the aficionados in the background