

# MIT

ANNA UNIVERSITY



BIRTH PLACE OF TECHNOCRATS  
ANNA UNIVERSITY MIT

# MITMAG

2011



# ACTIVITIES



TEAM ATHENAEUM



HOSTEL COMMITTEE



NSS



YRC



PDA



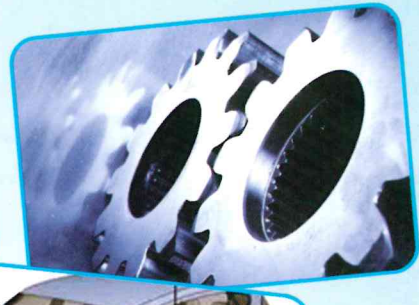
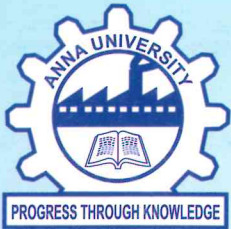
ROTARACT



WEB TEAM



Placement



# MITMAG - 2011

MADRAS INSTITUTE OF TECHNOLOGY

ANNA UNIVERSITY

CHROMEPET, CHENNAI - 600 044

## EDITORIAL

Here we come to the end another dazzling academic year which was packed with umpteen activities and programmes. Now as the dust settles, it is time to document our achievements and our successes while reminding ourselves of our own shortcomings and failures, so that we better ourselves each year and press on towards a brighter future. It is in fact never - dying, unquenchable thirst and drive for improvement and betterment that is driving this world of ours. For instance, whoever thought of personal computer 30 years back?

As we move on, few of us realize that a glorious four years of college life are drawing to a close. with nostalgic feelings as we look back, one can't help but quote Albert Einstein, "Education is what remains after you have forgotten what you learnt in class," Definitely true! Education is beyond classrooms, and lectures; it is the essence of learning to live life. Featured in this magazine are a few articles which provide ideas on some practical aspects of life.

College life is one of the most memorable periods of time in one's life. It's the time when you come to a more comprehensive understanding of who are and begin to create an identity for yourself. It is the 'era' when a naive student turns into a professional, ready to face the world. As we press on to another eventful year, here's wishing everyone a bright and exciting new academic year 2011 - 12!

### Student Editorial Board



G. Arunachalam



K. Krithiga



Immanuel Raja

### Cover Page Designed by



Sri Vishnu

## A Message from the Founder C.Rajam's Family



Dear Students,

Greetings from MIT Founder's family. The academic year is going to an end and some of you would be embarking on fresh career opportunities or higher studies. Others will be gearing up for yet another semester to tackle new subjects and aim for better grades. It is always the best time of the year to look back, learn from past mistakes and re-define your strategies for the coming months. Realizing one's objective is indeed a worthwhile endeavor. But while accomplishing this task it is also vital to develop a sense of social responsibility. We owe something to our community, to the land and people around us. We are making this journey of life together and self advancement is less important than the well being of the community as a whole.

In consumerist cultures, success is often equated with material prosperity. Achievement is to be applauded only if it goes hand in hand with a broad concern for humanity. If every achiever resolves to help one disadvantaged or challenged fellow being, the world is going to be a "much better place". Although this sounds simplistic; it can work well in practice. A socially responsible student can begin the task of "giving" in the classroom or neighborhood. Giving material assistance need not be mandatory. A little bit of time and energy, a little bit of care and concern for those not so fortunate, can go a long way in building bridges between people. Technology has made great strides since C. Rajam thought of an institution like MIT. It was his generosity and concern for the future of India which inspired him to envisage such a technological institute. We are grateful today for his philanthropic gesture for we are aware of the fact that MIT has become a world class institution.

Very few people remember that C'Rajam's second son C.R.Ramaswamy, also parted with his property called "Small India House" which stood adjacent to "India House". This was also sold to fund MIT campus.

C.R.Ramaswamy was the able successor to his father, C.Rajam, carrying his mantle until 1986. He was dedicated to the wellbeing of the institution. Infact he was largely responsible for inviting Smt Indira Gandhi for the silver jubilee celebrations of MIT (1974). He was a true patriot belonging to a breed of congressmen who placed their society's welfare above private gains. I recall his services to MIT and Chennai society and Business world with fond gratitude particularly at this time when rampant corruption is invading our public lives.

As we remember the Founder, with pride and gratitude, we wish the students all the very best and hope they turn out to be achievers as well as adjusted humans. Good Luck!

***Prema Srinivasan***

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## ANNA UNIVERSITY : MIT CAMPUS ANNUAL REPORT 2010-2011

The Annual Report seeks to highlight the important activities concerning the Academic and Research Areas, besides matters related to some of the accomplishments of our staff and students in academic and sports-related fields.

### ACADEMIC ACTIVITIES:

As for the student intake during this academic year, the number of students admitted at the Undergraduate level is **701** while it is **347** for undergraduate Part Time Courses and **306** for M.E./M.Phil/M.Sc. Programmes including those who come under SELF SUPPORTING SCHEME at the UG and PG Levels.

### FUNDING:

MIT has received significant funding this year from various resources. **Rs.137.18 Lakhs** has been received from University General funds towards the maintenance and lab charges and Electrical/Civil Maintenance Works.

**Rs.77.05 Lakhs** has been received from CPDE

**Rs.84.00 Lakhs** has been received from CIA funds for the purchase of Computers, Equipments etc.

**Rs. 36,05 Lakhs** has been received from UGC XI Plan towards the purchase of equipments and books.

**Rs.9.95.Lakhs** has been received from AICTE towards Research and Development Scheme.

**Rs. 17.74 Lakhs** has been received from CTDT towards Research Support Scheme.

*Motivation is simple. You eliminate those who are not motivated.*



### RESEARCH PROJECTS

1	<b>Aero</b>	RCI, Hyderabad	<b>9.85</b>
		ADE, Bangalore	<b>9.90</b>
2	<b>Auto</b>	1. Tamilnadu Medical Services Corporation	<b>0.73</b>
		2. Testing the device on petrol and Diesel IC Engines	<b>0.45</b>
		3. Visteon Technical & Services Centre Pvt. Ltd.	<b>4.63</b>
3	<b>Elecs</b>	3 CS Funded Projects (on going)	<b>34.25</b>
4	<b>E &amp; I</b>	1. DIT -CDAC (T) IInd Instalment	<b>4.50</b>
		2. DRDL	<b>9.69</b>
5	<b>P.T</b>	1. Solar Power Manually Assisted Road Cleaner	<b>0.25</b>
		2. Desalination of Sea water by mechanical vapour compression	<b>0.24</b>
		3. Solar Powered desalinator	<b>0.24</b>
		4. Damping vibrations in prosthetic leg using Magnetorheological fluids	<b>0.24</b>
		5. Boundary detection for Sailor	<b>0.24</b>
		6. Alert system for railway gauge workers using radio frequency	<b>0.10</b>
		7. Design and Development of solar powered surveillance	<b>0.25</b>
6	<b>ASH</b>	1. Ordered Nanostructured Materials based biosensor	<b>15.23</b>
		2. Synthesis and Self Assembly properties of low band gap copolymers fororganic photovoltaic	<b>5.65</b>
7	<b>AUKBC</b>	Funds from 13 agencies(CSIR, DBT, ICMR, DIT, European Union, LSRB, ISRO & AUTC)	<b>33.44</b>
		<b>Total</b>	<b>129.64</b>

### RESEARCH ACTIVITIES:

As for as Research work is concerned, I am happy to report that **20** Scholars have been awarded Ph.D. Degree and **4** have been awarded M.S. Degree during the Academic Year. About **133** Research papers have been published in National and International Journals and **136** papers have been presented in Journals . The number of Research Scholars currently doing Ph.D. and M.Phil are **254** and MS Programmes **20**.

*Everyone is gifted - but some people never open their package.*

### INFRASTRUCTURAL FACILITIES AVAILABLE

<b>Dean Office</b>	Water Cooler 4 Nos (Lecture Hall Complex at all the Floors)	<b>2.10</b>
	Museum is being set up on the top of the existing Canteen	<b>2.50</b>
<b>Aero</b>	Back-pack UAV for Flight Control Lab	<b>1.94</b>
	Wireless Pressure Scanner	<b>1.97</b>
	Universal Testing Machine	<b>25.00</b>
<b>Auto</b>	Water cooled – Eddy Current Dynamometer	<b>6.19</b>
	Bomb Calorimeter	<b>9.2</b>
<b>Elecs.</b>	1. Near IR Camera & Finger Print Scanner	<b>1.04</b>
	2. DSP Starter Kit & Image Daughter Card	<b>2.62</b>
	3. Spartan 3AN Starter Kit	<b>1.09</b>
	4. Desktop computers 25 Nos	<b>4.68</b>
	5. Tele eye Video Camera	<b>2.98</b>
	6. 80 W Solar Room Light System	<b>2.98</b>
	7. 8086 & 8051 Microprocessor Kits	<b>2.02</b>
	8. 24 port 10/100Mbps Manageable Switch	<b>1.24</b>
<b>E &amp; I</b>	Three Tank Hybrid Test Rig	<b>7.65</b>
<b>PT</b>	1. Scientech Ultrasonic Measurement Trainer Kit	<b>3.4</b>
	2. DELL T – 310- Server	<b>1.00</b>
	3. Mega Pixel CCD Camera – 2 Nos	<b>4.22</b>
	4. PLC Assisted Hydraulic trainer kit with components	<b>4.99</b>
	5. Bench Centre and Plunger dial Gauge	<b>4.8</b>
	6. GPIB USB Adaptor Cathode Ray Oscilloscope 100MHz -1	<b>8.0</b>
	7. 6-1/2 table top digital multimeter with GPIB interface	<b>6.0</b>
	8. Agilent 33200 A single channel programmable function gnr.	<b>9.6</b>
	9. DEL 24554042 Optiplex,(TM) 380 DY Computers – 3 Nos	<b>8.1</b>
<b>R.PT</b>	1. Laboratory Dispersion Kneader – 1 Lit. Capacity	<b>8.50</b>
	2. 20 Computers	<b>6.75</b>
<b>C.T</b>	Surveillance System, Work Centre (copier, printer & Scanner), LCD Projector, 30 KVA & 5 KVA UPS Systems 55" Full HD LCD TV, Storage Unit, Networking Components, Network Switches (active), Server & Switches & Acer Desktop Computers	<b>104.66</b>
<b>AUKBC</b>	1. Server – 2Nos - Personal Computers -14 Nos (1.12+5.40)	<b>6.52</b>
	2. Microinjector with Micromanipulator	<b>4.38</b>
	3. PCR Machine with gradient heating; 96 well block	<b>2.51</b>
	4. Binocular Microscope	<b>2.46</b>
	5. Speed Vac and Accessories (Pump, Rotor, etc.)	<b>2.39</b>
	6. Electroporator	<b>3.72</b>
	7. CO2 Incubator on Microscope	<b>1.92</b>
	8. CO2 Incubator	<b>1.97</b>
	9. Geldoc Apparatus	<b>4.56</b>
	10. PCR	<b>2.90</b>

**Total (Rs. 278.55 Lakhs)**

*A champion needs a motivation above and beyond winning.*

**TEACHING STAFF :**

As many as **21** staff members have joined MIT this year and **15** staff members have retired / retiring on superannuation.

I am very happy to report that quite a few of our faculty visited foreign countries either for sharing their expertise or for Academic updation.

**VISITS ABROAD:**

Dean	<b>Dr. A. Joseph Stanley</b>	Southampton University, U.K	12 – 18, Sep. 2010
		Dubai, Muscat & Doha	19 – 25, Feb. 2011
Aero	<b>Dr. K. Senthilkumar</b> Asst. Professor	Singapore	1 <sup>st</sup> March to 4 <sup>th</sup> March 2010
Elems	<b>Dr. D. Meganathan</b> Asst. Professor (Sr.Gr.)	Sweden	4 <sup>th</sup> June 2010 to 3 <sup>rd</sup> April 2011 -doing joint Research Work at KTH Royal Institute of Technology
	<b>Dr. Mala John</b> Professoer & Head	Slovakia	27 <sup>th</sup> to 29 <sup>th</sup> January 2011
I.E	<b>Dr. T. Thyagarajan</b> Professor & <b>Mrs. S. Sutha</b> Asst. Professoer	Japan	17 <sup>th</sup> to 19 <sup>th</sup> July 2010
	<b>Dr. J. Prakash</b> Assistant Professor	Alberta-Canada	May - June 2010
	<b>Dr. N. Pappa</b> Associate Professor &		
	<b>Dr. D. Manamali</b> Associate Professor	Hamburg, Germany	20 <sup>th</sup> & 30 <sup>th</sup> November 2010
PT	<b>Dr. R. Kesavan</b> Assistant Professor	Singapore	26 <sup>th</sup> to 28 <sup>th</sup> February. 2010
RPT	<b>Dr. B. Kothandaraman</b> Professor	Italy	28 <sup>th</sup> August 2010 to 28 <sup>th</sup> February 2011 - For Post Doctoral Research
C.T	<b>Dr. S. Thamarai Selvi</b> Professor & Head	Australia	May 2010
		Malaysia	June 2010
	<b>Dr. R. Gunasekaran</b> Assistant Professor	Japan	August 2010
I.T	<b>Dr. V. Vaidehi</b> Professor & Head	Singapore	3 <sup>rd</sup> -10 <sup>th</sup> December 2010
AUKBC	<b>Dr. C.N. Krishnan</b>	Saudi Arabia	During 2010
		Paris	30 <sup>th</sup> Sept. 2010 – 1 <sup>st</sup> Oct.'10
	<b>Dr. G. Ramesh Kumar</b>	CARI, Port Blair Andaman Islands Tokyo, Japan	During June 2010 During September 2010
	<b>Chatterjee.S</b>	Bethesda, USA	During September 2010

*Wheresoever you go, go with all your heart.*

**WORKS AND MAINTENANCE (WORKS COMPLETED)**

1	New Building for Boys hostel at MIT Annexe <b>(Phase-1)</b>	<b>223.00</b>
2	New Building for Mess at MIT Annexe	<b>64.50</b>
3	Second floor over the existing non-vegetarian mess at M.I.T campus	<b>77.13</b>
4	Raising the existing compound wall on the western side from middle gate to south gate <b>(In 3 Phases)</b>	<b>25.26</b>
5	providing compound wall on the southern side at Rani Thottom from the south east corner of MIT annexe Campus <b>(In 2 Phases)</b>	<b>19.90</b>

**Total Rs. 409.79 Lakhs**

**ONGOING PROJECT WORKS**

1	Construction of New Building Extension for ladies Hostel at MIT campus. <b>(Phase-II)</b>	<b>385.00</b>
2	Construction of New Building Extension for Boys Hostel at MIT Annexe campus. <b>(Phase-II)</b>	<b>222.00</b>
3	Construction of <b>Type II</b> , staff quarters, Block I, at MIT Annexe Campus. <b>(Commenced)</b>	<b>97.50</b>
4	Construction of <b>Type IV</b> , staff quarters Block I, at MIT Annexe campus . <b>(Commenced)</b>	<b>89.50</b>
5	Construction of first and second floor over the existing ground floor of professor's quarters at MIT Annexe. <b>(yet to be Commenced)</b>	<b>57.50</b>
6	Construction of part of third floor over the existing Production Technology Building at MIT Campus, <b>(yet to be Commenced)</b>	<b>22.00</b>
7	Providing leak proof treatment to roof for the non teaching staff quarters at MIT Annexe.	<b>0.98</b>
8	Improvements to the Smart class room at MIT Campus.	<b>2.50</b>
9	Improvements to the water supply and sanitary arrangements at MIT Campus.	<b>4.10</b>

**Total Rs. 881.08 Lakhs**

*Success is determined by how determined you are to succeed.*

### ACHIEVEMENTS OF STAFF & STUDENTS

<b>AERONAUTICAL ENGINEERING</b>	
<b>FACULTY</b>	
Dr.A.Joseph Stanley, Dean	Nominated as REFREE for "Defence Science Journal"
	Nominated as member, Board of Studies (Mechanical), <b>AUT, Coimbatore</b>
	Nominated as Chairman, Board of Studies for Aeronautical Engineering in <b>Sathyabama University, Chennai</b>
Dr.K.Senthilkumar, Asst.Professor	Received ACMEE Award (International Machine Tools and Components – ACMEE 2010 conducted by CII at Chennai during October 2010
Dr.K.M. Parammasivam, Associate .Professor.	Received <b>Two Patents</b>
<b>STUDENTS</b>	
Mr.A.Md. Rasheed Mr.A. Kaviarasu	Received Best CTDT Project Award by M.E. Avionics students
<b>AUTOMOBILE ENGINEERING</b>	
<b>STAFF &amp; STUDENTS</b>	Efficycle 2010 – Students Achievement in SAE India Competition held at Chandigarh during October 2010 Best Design Award: Rs. 20000/- Overall 2 <sup>nd</sup> Award : 50,000/- Best Acceleration Award:Rs.20,000/-
<b>ELECTRONICS ENGINEERING</b>	
<b>STAFF</b> Dr.Mala John & Others	Patent Filed by a team of Faculty members on 29.7.2010 (jointly with TCS, Mumbai) Application No. 2162/ MUM/2010 – A System and Method for Classification of Moving Object during Video Surveillance.
<b>STUDENTS</b>	
S,Senthilraja, ECE Z. Imran Ahmed, ECE	Winners of the DRDO Student Robot Competition 2010-2011 and Won a cash prize of Rs.60,000/-
	UGC has sanctioned an amount towards scholarships for 18 students to motivate and promote the culture of research at the UG level Rs.5,00,000/-

*Failure is always temporary, only giving up makes it permanent.*

Ms.Vijayalakshmi Subramanian (the 5 <sup>th</sup> Delegation from India)	Visited Japan during 23 <sup>rd</sup> June to 2 <sup>nd</sup> July 2010 and participated in the "Japan – East Asia Network of Exchange for Students and Youths programme" conducted by Japan International cooperation Centre.
4 students selected for Erasmus Mundus External Cooperation Window (EM ECW) Exchange programme	Nitin Aji Bhaskar 20073246 - POLITECNICO DI TORINO, Italy.
	S.Nitesh, 20073245 - ESISAR School – Grenoble Institute of Technology - Valence, France
	VSathishkumar, 20073265 – Aalto University School of Science and Technology, Helsinki, Finland
	Akshay Sridharan, 20073205 - Aalto University School of Science and Technology, Helsinki, Finland
Mr. P.V. Vivek Mr. K.S.Vishnu Mr. S. Sanjeev Kumar	<b>Texas Instruments India Analog Design Contest 2010</b> for the project " <b>Design and Development of Multipurpose RF Power Sensor</b> " mentored by Dr.M.Ganesh Madhan, Associate Professor, ECE.
<b>ELECTRONICS &amp; INSTRUMENTATION</b>	
<b>STAFF</b>	
Dr.T.Thyagarajan Professor	Chairman IEEE Madras Section (2 <sup>nd</sup> continuous term) w.e.f. January 2010
Dr.N.Pappa Associate Professor	Best Paper Award in International Conference at Bangalore, in June 2010
<b>STUDENTS</b>	
Mr. Sundaram	GATE – All India 53 <sup>rd</sup> Rank
Mr. Praveen Kumar	CAT – 93.4 (percentile)
Ms.Abaya Meenakshi & Gaurav Rajasekar	GRE – 1470 1460
Gaurav Rajasekar	Presented a paper on "Three-dimensional OLED display with depth sensitive multi-touch" in China
Gaurav Rajasekar & Abaya Meenakshi	Project - Final year students procured fund of Rs.10,000/- under the IEEE Humanitarian Technology Project for their project titled "Power generation using revolving doors".
Harini, Gaurav Rajasekar and Abaya Meenakshi	Final year students – underwent IIT Annual Summer Internship Programme at IIT-Madras

*A failure is only a failure when you fail to learn.*

<b>PRODUCTION TECHNOLOGY</b>	
<b>STAFF</b>	
Mr. N. Sri Rangarajalu	Received Project Grant from CTDT for wire Electrical Discharge Machining (WEDM) of Copper & its Alloys.
<b>STUDENTS</b>	
Mr. E.Chola & Mr. R.Parthiban	Got Second Prize in "BLUE PRINT" from Amrita School of Engineering, Coimbatore, Anokha 2010
<b>COMPUTER TECHNOLOGY</b>	
<b>STAFF &amp; STUDENTS</b>	
	1. Invention award Intellectual ventures for the project, "ISI (Summer Research Fellowship Program)".
	2. Intership in various companies like Microsoft, Mindtree, IIT etc.
	3. Prizes in Technical Symposiums conducted by various organizations.
<b>INFORMATION TECHNOLOGY</b>	
<b>STAFF</b>	
Dr. Dhananjaykumar	1. Nominated for "Rashtriya Gaurav Award" by India International Friendship Society, New Delhi in the year 2010.
	2. His name & brief resume is included in "World's Who's Who" which is published in MARQUIS USA 27 <sup>th</sup> Edition 2010.
	3. He participated in Working part 4 (WP-4) standardization tutorial of ITU-T held at Pune on 16 <sup>th</sup> Dec. 2010
<b>STUDENTS</b>	
Mr.V.Sarveswaran Mr.S. Sridhar Mr.M.Venkatesh	Innovative Students projects under Research Support Scheme sanctioned at a total cost of Rs.25,000/- under guidance of Dr. P. Varalakshmi, for the project titled "Multitenancy and Load Balancing in Infrastructure as a service Layer in Cloud Computing".
Mr. M.Gargi Ms. J.Jasmine Sylvianani Mr.Madhu Ramaiah	Innovative Students projects under Research Support Scheme sanctioned at a total cost of Rs.25,000/- under guidance of Dr. V. Vaidehi, for the project titled "Mobile Authenticating using IRIS Detection.
Mr.C.Suresh Rathanraj Mr.V.Vardhan	Innovative Students projects under Research Support Scheme sanctioned at a total cost of Rs.25,000/- under guidance of Dr. Dhananjaykumar, for the project titled "Intelligence:Human Computer Interaction using hand Gestures".

*If you love life, don't waste time, because time is what life is made of.*

COMPUTER CENTRE	
STAFF & STUDENTS	
Mr. S.Senthil Raj Chief Executive Officer Computer Society of India	Won I Prize in DRDO Student Robot Competition
AU-KBC	
M. Sethuraman	M/s. Intellectual Ventures has filed the US Patent application No. 12/487,313 for Chained Checksum Error Correction Mechanism to Improve TCP Performance Over Network with Wireless Links
	"Anti Phishing Solution" developed here is being integrated with the Authentication Solution of M/S. Arrayshield Technologies, Chennai. Discussions have also been going on for a similar step with the "Emudra" solution of M/s. 3iInfotech, Bangalore
V. Sathish and S. Srikanth	Two patents - M/s. Intellectual Ventures are filing patent application with WIPO

#### DEPARTMENT OF PHYSICAL EDUCATION:

- I. Our MIT Students won the **INDIVIDUAL CHAMPIONSHIP** and **OVER ALL CHAMPIONSHIP** in Zone - IV A - Athletics both in Men & Women Sections.
- II. In Games **Two Golds, One Silver and Three Bronzes** were captured by our MIT Students in Chess (M&W), Badminton (Men), Kabaddi (Men), Ball Badminton (Men), Volley Ball (Men) and Table Tennis (Men).
- III. Our MIT Students won the **Anna University Zone IV - A Zonal Championship Award** during this academic year also i.e., **Second Year in - succession.**
- IV. **Sports Achievements by MIT Students at the State, National and Inter National Arena.**
  1. **M. Lenin Sundara Balaji, First Year - CSE** participated in **All India Tennikoit Tournament** secured **Second Position** and **Won Individual Championship** in Junior Level held at Orissa during the month of November 2010.

*Religion is an invitation into a journey that leads one toward the mystery of God.*



2. Team of Inter National Throw Ball Association which took part in the **All India Throw Ball Women Championship** held at **Vellammal Inter National School** during September 2010 to Obtained **First Position**.
- V. With the Permission of the Authorities of Anna University, Chennai, under the Guidance of **Dr. S. Sundararajan, Deputy Director of Physical Education**, MIT Campus, **S.S. BLJU**, one of the Ph.D., Scholar (Part - Time), have been awarded Ph.D., Degree in Physical Education from **University of Kerala, this year also**.

#### **PLACEMENT:**

I am happy to inform that 396 of UG students and 83 of PG students have got placement so far through Campus interviews.

#### **MUSEUM**

**Personality Development Association** of MIT has come up with a noble idea of setting up a museum inside MIT campus. It was in year 1949 when **Sri.C.Rajam** established the prestigious Madras Institute of Technology with first of its kind branches such as Aeronautical, Instrumentation, Electronics and Automobile. Since then MIT has been in the fore front when it comes to technical education. **The museum was inaugurated on 18<sup>th</sup> March 2011 at 2.30 p.m. by our beloved Vice-Chancellor Prof. Dr. P. Mannar Jawahar.**

In general the Academic, Research and extra-curricular activities in the year 2010-2011 were very good.

**I take this opportunity to thank all the staff and students and distinguished alumni of this Campus for their excellent involvement, participation and whole-hearted support towards achieving the above activities. I also thank our esteemed Vice-Chancellor and the University authorities for their support and Guidance to carry out my duties in a smooth way.**

**Dr. A. Joseph Stanley**  
Dean, MIT

*If we try hard to bring happiness to others, we cannot stop it from coming to us also.*

## **ASSOCIATION OF AERONAUTICAL ENGINEERS (AAE) DEPARTMENT OF AEROSPACE ENGINEERING**

The Association of Aeronautical Engineers (AAE), established in the year 1957, is a powerful student organization of the Department of Aerospace Engineering at the MIT campus of Anna University. More than fifty years from its inception, it has been instrumental in imparting co-curricular and personality skills to our students.

### **ASSOCIATION ACTIVITIES**

The activities of AAE for the academic year of 2010-2011 were officially inaugurated by Air Commodore Sanjay Sharma, the Head of the Tambaram Air Base on 19<sup>th</sup> September, 2010. Dr. A. Joseph Stanley, Professor and Dean, MIT Campus presided over the function. Since then, the association has conducted many activities for the benefit of the students. As the first step, the association directly interacted with the students to determine the activities to be conducted. Mr. T. Ponnurangam, Head—Wind & site, Gamesa Wind Turbines Pvt. Ltd, delivered the Prof. S. Narasimman's 60<sup>th</sup> Birthday Endowment lecture in February, 2011.

### **WEEKLY ACTIVITIES**

The students' learning process has been augmented by arranging lectures by experts in the field, through the students' forum, Association of Aeronautical Engineers (AAE). We had many illuminating lectures such as "The Recent Trends in Composites Technology" by Dr. Alan Chambers of Southampton University and communication classes by Mr. Ganesh Ram. Mock interviews have been conducted exclusively for BE 5/8 students.

### **INDUSTRIAL VISITS**

BE 7/8 students attended summer-internships program at the Indian Institute of Technology, Madras, ADE(Aeronautical Development Establishment) and the Indian Institute of Science, Bangalore during the period May-June 2011.

### **AERO-MODELLING CLUB**

The Aero modelling club, MIT has made aero modelling more feasible for students by adopting various cheap design materials and using low cost equipments. It is in the process of developing man power and students with field knowledge for flying RC-controlled models and remotely piloted

*To get joy, we must give it, and to keep joy, we must scatter it.*

vehicles. This was accomplished by conducting 'Flyspad' for the past two years which has been a huge success. Recently UAV airframe Integration and paper aircraft modelling workshops were conducted during FLIGHT '11, the national-level symposium organized by the Department of Aerospace Engineering, which even attracted students from other engineering disciplines. A few unconventional flying models were also made in this workshop. These activities brought forth the researcher in every student, which is the absolute motto of engineering.

Last year the Aero Modelling Club developed the Ornithopter which was the first time an Ornithopter was developed from airframe design to do a highly stable flight. This year the Aero Modelling Club has developed yet another Quadrotor with GPS capability and autopilot integrated with waypoint navigation system fully developed in the Avionics Lab in MIT. The Aero modelling club has been dedicated to provide quality manpower in the field of Avionics and Aerospace and focuses specially in Unmanned Aerial Vehicles (UAVs).

### **FLIGHT '11**

The annual two-day technical symposium named Flight '11 was conducted on the 23<sup>rd</sup> and 24<sup>th</sup> March, 2011. It was inaugurated by emeritus scientist K.V.Srinivasan. This year's symposium played host to nearly 750 students from colleges all around India who participated in over 12 competitions such as Paper Presentation, Project Expo, Turbo Raft, RC Glider, Parachute Building, Bridge Building, Technical Quiz, Boomerang making, Bottle Rocketry and so on. Two workshops, namely 'UAV Airframe Integration' and 'Science of Flight' saw over 150 students participating and gaining a lot of experience and knowledge. The Participants of the UAV workshop successfully flew the airplane they made during the two-day workshop. The Glider contest itself had around 150 enthusiastic participants from all over the country.

### **FUTURE PLANS**

The office bearers for the academic year 2011-12 are to be elected. A Calendar for association activities in the next academic year is to be prepared.

**Dr. B.T.N. Sridhar**  
Head of the department

**Dr. C. Senthil Kumar**  
Staff-in-charge, AAE

**R. Sathish Kumar**  
Chairman, AAE

*Happiness is not a destination in which you arrive; it is your journey there.*

## **AUTOMOBILE ENGINEERING ASSOCIATION (AEA) DEPARTMENT OF AUTOMOBILE ENGINEERING**

The Automobile Engineering Association, the student body of the Department of Automobile Engineering, has been instrumental in bridging the gap between the students and the staff members and also helps the students in various ways by involving them in many academic and various skill based activities that would enhance their capabilities and turn them into successful engineers in the near future.

### **Departmental Activities:**

#### **INFRASTRUCTURE DEVELOPEMENTS:**

The following infrastructure developments were made by the Department of Automobile Engineering during the year 2010-2011:

1. Purchase of new laptops and Desktop computers for the Computer Aided Design and Drafting Laboratory, and new software licenses for the same.
2. Construction and development of a new Fuels and Lubricants Laboratory in Hangar 2.
3. Procurement of 150 KVA Eddy current dynamometer worth 6.27 lakhs under CIA funding.
4. 5 KW capacity DC generator and motor set, worth 1.5 lakhs, was procured.
5. Procurement of Bomb calorimeter for testing purposes worth 1 lakh.

#### **Consultancy projects Undertaken by the Department of Automobile Engineering:**

1. Development of Fuel Injection system for two wheelers for Visteon Power train Control systems.
2. Expert report for consumer disputes forum for,
  - a) Bajaj Pulsar 220cc
  - b) Fiat Palio
  - c) Bajaj Avenger 200c
3. Training Programme for the Employees of Renault Nissan Ltd. Oragadam Chennai.
4. Expert report for the purchase of 25 and 40 KVA Generators for Tamil Nadu Medical Services Corporation.

*You create your own destiny.*

**Association Activities:**

In order to build a better future, the Automobile Engineering Association joined hands with the Society of Automotive Engineers (SAE) and formed its collegiate club in our campus.

The various activities that were held under the banner of AEA and SAE include,

1. SAE convention tier 1 in the department.
2. Guest lecture by Mr. Krishnan Sadagopan, General Manager, New Product Development, AL Nissan Ltd.
3. A Workshop on the working of "Two and Three Wheelers" by TVS Motor Company, Hosur.
4. AUTOMEET 11, our signature event was conducted in a grand manner on 11<sup>th</sup> and 12<sup>th</sup> of February 2011. The event saw eminent racers such as Armaan Ebrahim and Dileep Rogers attending and honoring us on the occasion.
5. Guest lecture by Mrs. Vijayalakshmi, General Manager, Product Development, Ford India Ltd., on the day of Automeet.
6. A workshop on "Service and Maintenance of Four Wheelers" by Tata Motors.

**Dr. G. Devaradjane**  
Head of the department

**Dr.K.Arunachalam**  
President, AEA

**R.Rishikesh Swaminathan**  
Chairman, AEA



*Work like you don't need the money and Love like you've never been hurt.*

## **ELECTRONICS ENGINEERS ASSOCIATION (EEA) DEPARTMENT OF ELECTRONICS ENGINEERING**

Electronics Engineers' Association (EEA) is a vibrant student association of the Department of Electronics Engineering, MIT. With a sincere aim to make learning electronics a fun-filled experience, it commenced its activities with great ambitions for the academic year, on 27<sup>th</sup> of August 2010 with its inauguration. Mr. Lokesh Johari, Director, Standard Microsystems Corporation (SMSC) was the Chief Guest and enlightened the students about the various opportunities in the field of VLSI. Mr. P. Naveen Bharathi was appointed as the Chairman and Dr. G. Kavitha as the President of the EEA.

### **Circuit Design Club—a new initiative**

True to its goal, the EEA organized and brought together the “Circuit Design Club”, a club for circuit design enthusiasts. Commencing with a few classroom sessions, the Club aims to promote creative thinking and practical circuit designing among the students. Many students were taught the nuances of circuit design—its challenges and its intricacies. They were also given hands-on design sessions.

### **Robotics**

The EEA organized a two-day workshop on “Line Follower for Dummies”. The final year students with a lot of experience in designing robots tutored the juniors on how to build a line following robot from scratch. Also, the use of simulators like Keil was taught. Many number of students benefited from this workshop as they learnt the knack of building a simple robot.

### **Events**

An intra-college Circuit Design Contest was conducted on October 7<sup>th</sup>, 2010, with more than 30 enthusiastic teams participating. The top few teams were selected for the finals where they were given challenging problems to design and implement. The participants thoroughly enjoyed it as they pitted their grey matter against each other to arrive at solutions for the given design problems.

A line-follower robot contest was held in the month of January for students belonging to 2<sup>nd</sup> and 3<sup>rd</sup> years. Many teams enthusiastically participated and remarked that this contest has given them the necessary platform from which they were able to compete in other national-level technical symposiums.

*Everyone is necessarily the hero of his own life story.*

## **Communication Skills Development**

MIT is a mosaic of many shades—students from various backgrounds. Here, they get groomed and shaped into mature, responsible professionals. Hence, to help some of the students who have had their entire schooling in Tamil to improve their communication skills in English, a special effort was made to bring professionals to train them. Around 50 third year students were chosen to undergo these communications skills classes. 25 classes have been held till date.

## **Guest Lectures and Seminars**

Mr. Kaushik Vaidhyanathan, Ms. Lavanya Subramanian, Mr. K. P. Sai Shankar and Mr. Sudharshan, some of our seniors who passed out of MIT not long ago, but had already distinguished themselves in their respective fields, visited our college in December 2010. They conducted an orientation session for the first and second year students of our department in December 2010. They conducted an orientation session for the first and second year students of the department. They also interacted with other students and motivated them to aim higher in life.

From the month of December, Dr. Rajesh has been conducting special classes on RF System Design every Wednesday evening to students of the third year. Interested students are being taught the intricacies of this exciting field.

In January, Dr. C. P. Ravikumar, Head, University Relations, Texas Instruments India, paid a visit to our department and delivered a lecture on Multicore Processing. It provided a valuable insight into the modern trends in VLSI Design and processing. He later interacted with the students participating in the TI Analog Design Contest.

We had the privilege of having Dr. Ahmed Hemani, Professor, KTH University, Sweden, visit our college and deliver a lecture on Reconfigurable Tera Scale Processors. This was an eye-opener to many as this is one of the leading research frontiers of today.

On January 11<sup>th</sup>, a training session on WiCOMM-T software Defined Radio was conducted. On 19<sup>th</sup> of January, a workshop was held on “Introduction on RF baseband System for Wireless Application” by Dr. S. J. Thiruvengadam, Associate Professor, Thiagarajar College of Engineering.

EEA, in association with AUKBC Research Centre, conducted a hands-on workshop on “Automatic Speech Recognition using Sphinx and HTK” from February 18<sup>th</sup> to 20<sup>th</sup>. This involved many professionals from academia and the industry.

*Why do you need a role model when you have your own life story?*

Dr. Dinesh Babu Jaya Gopi, an MIT alumnus, currently a researcher in Ecole Polytechnique De Federale Lausanne (EPFL), Switzerland visited our college in March and briefed the students about his novel research work on “Computational Modelling of Face to Face Social Interactions with Non-verbal Cues”. He also motivated students to take up higher studies and to carry out research.

### **Electrofocus '11**

Electrofocus is the annual National-level Technical Symposium of our Department. This year, it was conducted with more-than-usual gusto. Around 70,000 clicks on our website were counted. More than 1000 students from other colleges participated in Electrofocus '11, apart from many MIT and CEG students. Quite a number of new events like Bits n Bytes, Comm Lab, B-Plan, Aeon Flux, Mad Prof and events exclusively for first years were introduced this time. We had prominent electronics companies like Texas Instruments, Xilinx, Atmel and Cypress Semiconductors conducting workshops for us. It was a memorable occasion as we witnessed hundreds of students thronging the workshops and the events.

MIT has had the unique culture of an intimate senior-junior interaction. Hence, special efforts were made to make a comprehensive database of seniors from the beginning of the academic year. The annual Alumni Meet was held on the 19<sup>th</sup> of March 2011. Many seniors were able to make it and we had a grand time of fun and reunion.

**Dr. Mala John**  
Head of the Department

**Dr. G. Kavitha**  
President, EEA

**P. Naveen Bharathi**  
Chairman, EEA

*Help people when needed no matter whoever they are.*



## **INSTRUMENTATION ENGINEERS ASSOCIATION (IEA) DEPARTMENT OF INSTRUMENTATION ENGINEERING**

### **Inauguration of IEA activities:**

The activities of Instrumentation Engineers Association (IEA) for the year 2010-2011 were inaugurated on 22<sup>nd</sup> of July, 2010 with **Mr.T.Vasudevan**, MIT alumni and Consultant, as the chief guest. The agenda for the year was listed out by **Mr.V.Raja, IEA Chairman**.

### **INS-TRUE - Technical Magazine:**

**The first edition of the department Technical magazine, INS-TRUE, edited by students**, was released at the IEA inaugural function. A lot of effort went into the making of this magazine and was spearheaded by the final year student **Mr.P.Jayaraman, Secretary-IEA**. The **second edition of the technical magazine INS-TRUE 2** was released at the inauguration of INTECHO'11, earning appreciation from everyone present.

### **LIVEBEAT'10 - Intra-college Symposium:**

The annual intra-college symposium, Livebeat '10, was organized by IEA on 8<sup>th</sup> October, 2010. It was inaugurated by Mr.N.Ramachandran, Managing Director, Murugappa Electronics Ltd. Students from various departments of MIT campus participated in the events. Tech Marathon, a new event introduced this time was a runaway success, with students flocking to attend the prelims and the subsequent rounds.

### **INTECHO'11 - Inter-college Technical Symposium:**

The annual inter-college instrumentation symposium, Intecho '11, was held on 28<sup>th</sup> and 29<sup>th</sup> of January, 2011. It was presided over by Mr.B.Sai Ramesh, General Manager, Technip India Ltd. This year, the **theme adopted was 'Save Energy'**. This was in continuation with last year's theme of 'Go Green, Go Genius'. By sticking slogans and posters on over 1100 switches and fans in the Lecture Hall Complex and the Instrumentation Department, we aimed at reminding forgetful students to switch off the fan or light when it is not in use. This was the first ever initiative of this sort in MIT.

In addition to all the events, there were Four Technical Workshops organized under the following titles:

- \* Advanced Process Control by Dr.J.Prakash, Associate Professor, MIT.
- \* Embedded systems by M/s. Vi Microsystems
- \* PLC Training and Industrial Safety by Rotary group of companies, Singapore
- \* Higher Studies by M/s. Ascent Education

*Our greatest glory is not in never falling, but in rising every time we fall.*

For the first time in the history of MIT, workshops were conducted during symposium. The overwhelming response of Engineering students from various colleges to participate in the workshops, has encouraged all other departments of MIT campus to include workshops in their symposia.

#### **ALUMNI MEET 2011:**

The Alumni meet was held on the evening of 29<sup>th</sup> January 2011, with more than 75 seniors attending it. A splendid light music performance by the MIT Orchestra team was led by final year E&I student Mr.Gaurav Rajasekar. With seniors from as way back as the 20<sup>th</sup> batch being present, it was an evening to remember with the past, present and future generations of Instrumentation Engineers under one roof.

#### **DEPARTMENTAL ACTIVITIES**

The faculty members of Instrumentation Engineering Department have produced 75 publications in reputed international and national journals and more than 100 conference publications. 4 journal publications and 5 international conference publications were produced during 2009-2010. The department has conducted 28 Workshops/FDPs/Seminars out of which 6 were conducted during 2009-2010. 12 internationally recognized awards have been won by various faculty members of the department so far. The department has received funding for R&D project worth Rs 14.19 lakhs.

#### **MAJOR ACHIEVEMENTS OF STUDENTS:**

The students of Instrumentation Department have brought laurels to the department in many dimensions. To mention a few notable achievements of our students:

- ❖ **Mr.Gaurav Rajasekar's and Mr.S.Vigneshwaran's** paper on "Three Dimensional Organic Led Screens" was presented by Mr. Gaurav Rajasekar in the **International IEEE Conference held at Shanghai, China** in November 2010.
- ❖ **Mr.Gaurav Rajasekar and Ms.Abaya Meenakshi** are currently working on a **project that has been approved for funding from the IEEE.**

**Dr. K.Bhoopathy Bagan**  
Head of the Department

**Mrs. Sabitha Ramakrishnan**  
Staff-in-Charge, IEA

**V. Raja**  
Chairman,IEA

*The secret to a rich life is to have more beginnings than endings.*

## **THE ASSOCIATION OF PRODUCTION ENGINEERS (TAPE) DEPARTMENT OF PRODUCTION TECHNOLOGY**

The mission of the Department of Production Technology is to develop disciplined, socially committed and technically competent manufacturing engineers with creative ability, comprehension and managerial skill to design and manufacture quality products for the benefit of mankind.

The department was accredited in 1997 and 2008 by National board of Accreditation. Currently there are 51 research scholars pursuing their research works in the department. Six sponsored research projects and many consultancy works have been successfully completed. 54 papers have been published in International journal and 25 papers have been published in National journals in the last three years.

The academic year 2010-11 is year of achievements 54 out of 58 B.E. Production Engineering students have got jobs in 27 companies. It is noteworthy that out of these 27 companies, 20 are Manufacturing Engineering Industries and only 7 are IT Industries. Despite of promising placements, 17 of our UG students have obtained good score in GATE 2010 Examination. About 60% of the PG students have got jobs either in Industries or in Institutes. While M.E. Mechatronics students are keen in joining Industries, M.E. Manufacturing Engineering students wish to further continue their career either as a teacher or researcher.

Our students have won more than 20 prizes in various National and State level competitions. Our students won a total prize of Rs.1,60,000 in a Robot competition named Driving innovation conducted by CVRDE-DRDO. In a competition conducted by National Instruments a prize worth of Rs.50,000 was won by our M.E. Mechatronics students for their project in CNC Engraving Machine. In the academic site, 4 Research scholars have been awarded Ph.D. About 20 papers have been published in International & National Journals. An AICTE R&D project (5 lakhs) on Ultrasonic Cavitation of Metal Matrix Composite is ongoing. Two of our staff members visited universities abroad. Faculty Development Programmes on Mechatronics & Operation Research have been conducted. Our students have obtained seven sponsored research projects from CTDT and one from Tamil Nadu State Council for Science and Technology under the valuable guidance of staff members. One staff member has obtained support scheme for Young Scientist Rs.50,000 from CTDT. Prof.A.Jothilingam has visited to Japan and interacted with following universities NIMS, Nagoya, Tokyo, Stukhumba etc.

*Learn from yesterday, live for today, hope for tomorrow.*

**TAPE Activities**

This academic year's TAPE activities were officially initiated during the inauguration of the TAPE. The Head of Department, Dr.A.Rajadurai presided over the function and Mr.A.J.Christopher, National Head of Marketing, Eenadu Newspaper delivered the inaugural address. TAPE President Prof.Dr.B.Rajmohan and Vice President Prof.Dr.R.Sivaramakrishnan were also present during the inauguration.

Functions like fresher's day for under-graduate and post-graduates, teacher's day etc were all conducted with great vigor.

Building up to our national level technical fest, EXPRO-11, special lectures on topics such as 'Mind Mapping', 'Robotics' etc were conducted in our department every month.

This academic year, EXPRO improved by leaps and bounds from the functions of previous years. Around 900 students participated in the programme, EXPRO increased its participant count by 10 times the previous year. This was also the first time workshops were conducted as a part of EXPRO. The workshop on 'Robotics' attracted 330 students and the workshop on 'Wire Cut EDM' attracted 60 participants. With the patronage of all staff members, the hard work of the students and the support given to us by our sponsors, this year's EXPRO was memorable.

A friendly staff VS student's sports tournament was conducted with the staff and students participating in sports such as shuttle, kabadi and cricket. The staff white washed the student's hopes in shuttle but the students returned the favor in kabadi. The cricket match ended in a tie and hence honours were shared.

Finally the academic year was completed with 22<sup>nd</sup> March Prof.M.S.Selvam Memorial Guest Lecture was held to commemorate Prof.Selvam's 70<sup>th</sup> Birth Anniversary. Our beloved Vice Chancellor Prof.PMannar Jawahar presided, Thiru.S.Ramachandran shared his reminiscence and Dr.V.Solomon of CVRDE delivered the guest lecture. Prof.M.S.Selvam's wife Mrs.Mythili distributed the cash awards to the meritorious students of the department. On this occasion she also donated Rs.20, 000 to The Association of Production Engineers.

'To get together is beginning, to work together is progress and to live together is Success'. TAPE has taken a point to serve by the above motto during this academic year with all the technical activities and memorable occasions.

**Dr. A.Rajadurai**  
Head of the Department

**Dr. B.Rajmohan**  
President, TAPE

**Stephen Samuel**  
Chairman, TAPE

*Intellectuals solve problems; geniuses prevent them.*

## **SOCIETY OF PLASTICS AND RUBBER TECHNOLOGISTS**

### **DEPARTMENT OF RUBBER AND PLASTICS TECHNOLOGY**

The Society of Plastics And Rubber Technologists (**SPART**) is an association constituting students and staff members of the department of rubber and plastics technology.

#### **OUR VISION:**

Our aim is to evolve and remain as the unique association that sculpts the Students of the Institution as Professionals of the Industry and Intellects of eminent Researches in Plastics, Rubber and the allied fields, give the passionate leaders of tomorrow's society, the right foundation today.

#### **SPART ACTIVITIES FOR THE YEAR (2010-2011)**

##### **FRESHERS' DAY on Aug 4<sup>th</sup> :**

To familiarize the first year students with the ambience of college and to help them know more about the scope and activities of our department, we conducted Fresher's Day on the 4<sup>th</sup> of August 2010. It included a slide show on the activities & records of our department. We also gave them details of the available scholarships.

##### **SPART INAUGURATION :**

The students along with the staff members of the Society of Plastics and Rubber Technology inaugurated **SPART** for the academic year 2010-2011 on 30<sup>th</sup> August 2010. The event was made valuable by the presence of Mr. **Jiby Isaac**, Group Leader Technology (TBR), APOLLO TYRES Ltd. Other special guests were **Mr P. Marimuthu**, Managing Director, SARO GROUP, **Mr Girish R Handigol**, Head- PPM Marketing, L&T Plastics Machinery Ltd., **Mr K.C. Sundaravelu**, Deputy manager, TVS Brakes India Ltd. Two informative and thought provoking lectures were given, namely, "**Truck Radial Tyre Technology and Radialization Trends in India**" by Mr Jiby Isaac and "**Recent Trends in Plastics**" by Mr Marimuthu.

##### **SMART SESSIONS :**

Soft skills including Personality Development, English proficiency, literary events and other extra curricular activities were organized on weekly basis.

##### **TEACHERS' DAY on sept 6<sup>th</sup> :**

An honour to the "Teaching" profession – a day of celebration, exclusively for the staff.

*Every day is a new beginning. Treat it that way.*

**DEPARTMENT LIBRARY:**

Renovation of our present department library with additional facilities, such as new books, introducing Photocopying facilities and appointing a library in-charge

**PLACEMENT SESSIONS:**

Seminars were conducted for the Pre-final year students by the alumni and the final year students.

**GUEST LECTURES:**

In order to provide an exposure for the students, to the industrial sector of our stream, regarding the recent innovations and developments, several guest lectures were organized by our alumni.

- ❖ On October 29<sup>th</sup>, 2010 – Our 3<sup>rd</sup> batch senior Mr Amarnath, APOLLO R&D Chief, gave a lecture on, “*Reduction in carbon footprint*”
- ❖ On October 30<sup>th</sup>, 2010 - Our 6<sup>th</sup> batch senior Mr Senthil Kumar, SAINT GOBAIN USA, gave a lecture on, “*Surface treatment for metal bonded Products*”
- ❖ On January 18<sup>th</sup>, 2011- Mr Chandrasekaran R Pillai, Director, QUANTUM POLYMERS USA, gave a lecture on, “*Recycled Rubber products*”

**PLASTIC AWARENESS CAMPAIGN:**

Aimed at bringing awareness to general public and school students, a campaign was organized specifically focussing on proper ways of using and disposing plastic products.

**ELASTOPLAZ '11 – A National Level Technical Symposium**

On January 8<sup>th</sup> 2011, ELASTOPLAZ'11 was organized, which invited all its radiant material engineers having their hormones reverberating to innovate to showcase their technical competency. It included events such as Technical lectures, Paper presentation, General and technical quiz, Poster presentation, Technical crossword contest, CADD Modelling and also some informal events. We released our magazine, Release of Poly Quest -'11.

**Dr.N.Natchimuthu**  
Head of the Department

**Dr.L.S.Jayakumari**  
President, SPART

**R.Vignesh Kumar**  
Chairman, SPART

*If we could see the miracle of a single flower clearly, our whole life would change.*

## ASSOCIATION OF COMPUTER TECHNOLOGISTS (ACT) DEPARTMENT OF COMPUTER TECHNOLOGY

The Department of Computer Technology in MIT Campus was formed in June 2010, with Dr. S. Thamarai Selvi as the head. The department has made tremendous progress and has conducted several conferences and workshops such as :

- ★ International Conference on Advance Computing ICoAC 2010 from 14<sup>th</sup>-16<sup>th</sup>December, 2010
- ★ Workshop on Grid Computing on 7<sup>th</sup>February, 2011
- ★ Workshop on Cloud Computing on 20<sup>th</sup>October, 2010
- ★ Faculty Development Program on Principles of Compiler Design from 5<sup>th</sup>-12<sup>th</sup> December, 2010

### Infrastructure facilities :

- ★ The Computing facilities include 3 high end servers, 300 high end terminals with National Knowledge Networks (NKN) 1 Gbps connection and a storage unit of 6 TB capacity.
- ★ The laboratories include
  - + Distributed Computing Laboratory
  - + High Performance Computing Laboratory
  - + Multi-core Laboratory
  - + Hardware laboratory with Microprocessor and Wireless sensor Toolkits
- ★ A full-fledged conference hall with 70 capacity, interactive Boards and Video Conferencing facility

### Faculty Achievements:

The Head of the Department, **Dr. S. Thamarai Selvi**, has received "**Bharat Jyoti Award**" and was honored by India International Friendship Society, New Delhi, with "**IBM Faculty Award**"-2008.

**Dr. R Gunasekaran** has received "**Young Engineer Award**" from the Institution of Engineers (India) in recognition of his contributions in the field of Computer Engineering in March 2010.

**Ms. Priyadharshini** received "**Best Team award**" in Engineering discipline in Tamil Nadu, India for mentoring students project in TGMC'09, The Great Mind Challenge Competition organized by IBM, May 2009.

*Good friends, good books and a sleepy conscience: this is the ideal life.*

### Student Achievements :

**Ms. H Divya** has received “**Invention Award**” from Intellectual ventures, USA for the invention titled “Recognizing hand gestures of a dancer” in November 2010 and “**Best student award**” from Tata Consulting Services in March 2011.

### ACT Activities

Since its inception, the Association of Computer Technologists (ACT) hit the ground running. In the early stages, a comprehensive list of all possible activities that could be carried out through the ACT was compiled. Concurrently, various teams were formed and the enumerated activities were assigned to these teams. The major activities that have been undertaken by the ACT on a regular basis are :

- 1) **Conquerorz**- Algorithm tutelage and weekly contests for the 2<sup>nd</sup> and 3<sup>rd</sup> year students. Top ranking students are given special mention.
- 2) **Techwiz**- Presentations on the latest goings-on in the field of Computer Technology.
- 3) **Entrepreneur**- Classes on leadership and management are conducted on a regular basis.
- 4) **Excellence**- A forum for discussion about all matters regarding technology
- 5) **Webwizz**- As demanded by today’s day and age, a website for the ACT, [www.act.mitindia.edu](http://www.act.mitindia.edu) was launched as soon as the association was formed. The Webwizz team’s goal is to update and maintain this site.

Programming Contests for the benefit of the 2<sup>nd</sup> and 3<sup>rd</sup> year students were conducted on a monthly basis, and winners of these contests were felicitated appropriately. These contests served not only to help improve the programming skills of the participants but also to help bring out nascent the interest which is present in a majority of the student community. Future plans include expanding these contests to include other departments and convert this contest into a training ground for sending teams to international competitions like ACM-ICPC.

Contests such as the ones mentioned above are of little use to the students if they don’t have the necessary knowledge about basic programming concepts like Data Structures, Algorithms etc. And to provide this knowledge, the ACT has formed a bond with the alumni of the Department and through some of our distinguished seniors, more hands-on sessions on topics like OOPS are being conducted. One main goal in all of these activities is placement and placement training has been on in a full swing from the beginning of the year 2010-11, the activities in this include conducting MCQ tests similar to that of many leading companies, Group Discussions and Group Activities, and one-on-one interviews.

*Thought is the blossom; language the bud; action the fruit behind it.*



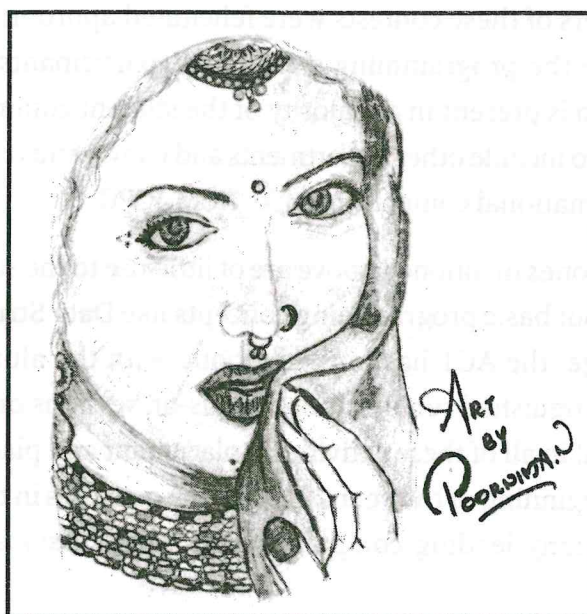
Associations may be started with a local mandate, i.e. being meant only for the department, but they often tend to grow bigger. And this growth is often exhibited to the world at large via symposiums and workshops. And in this very mold, the ACT conceptualized and organized its National Level Technical Symposium, "Prayatna", on March 11<sup>th</sup> and 12<sup>th</sup>, 2011. Prayatna meaning, "Hard Work", was chosen as the name of this symposium to re-emphasise, the only universally accepted and applicable adjective. Prayatna's online presence [www.prayatna11.in](http://www.prayatna11.in) was launched almost a month before the onsite events and many contests like Online Programming Contest, Break The Paradox, Bread Butter and Brain and Pirateria etc. Online help was provided from 5-8pm every day on all things regarding Prayatna, a first for symposiums in India. When the D-day arrived, the ACT was ready and all the participants were welcomed with great fanfare and the events meant to tease and excite their brains began with great interest. Workshops on Cloud Computing and Ethical Hacking conducted by IBM and Horizon respectively, added a different dimension to Prayatna 2011. And as a concluding event, a cultural show and dinner for the student members of the ACT and DCT faculty was the cherry on top of a very sweet cake, that was Prayatna 2011.

These are just a few small steps taken by ACT to help strengthen and shape the students of the DCT into future leaders of the country and the computer technology field.

**Dr. S.Thamarai Selvi**  
Head of the Department

**Dr. R.Gunasekaran**  
Staff-in-Charge, ACT

**R.S. Tamil Selvan**  
Chairman, ACT



*Before God we are all equally wise - and equally foolish.*

## INFORMATION TECHNOLOGY ASSOCIATION DEPARTMENT OF INFORMATION TECHNOLOGY

The Department of Information Technology has obtained sanction for Rs. 51.00 lakhs from DST, New Delhi under FIST Program during March 2011

Papers published in National Conference (10 Nos), International Conference (25 Nos) International Journal (15 Nos.) and National Journal (05 Nos.)

Conducted Faculty Development Programme on 'Internet Programming' during 7-11-2010, "MISSION 10X" First Level during 21-25 June 2010, "MISSION 10X" 2nd Level during 15-16 Nov. 2010 and International Workshop Data Mining for Web Intelligence during 20-21 Jan. 2011.

Innovative Students Projects under Research Support Scheme were sanctioned for Rs. 25,000/- each for three project titled (1) Multitenancy and Load Balancing in Infrastructure as a Service Layer in Cloud Computing (2) Mobile Authenticating using IRIS Detection (3) Intelligence : Human Computer Interaction using hand Gestures.

Dr. Dhananjaykumar, Asst. Professor (Sr. Grade) is nominated for "Rashtriya Gaurav Award" by India International Friendship Society, New Delhi in the year 2010. His Name & brief resume is included in "World's whose who" which is published in MARQUIS USA 27th Edition 2010. He participated in Working Part 4 (WP-4) standardization tutorial of ITU-T held at Pune on 16th Dec. 2010.

Dr. V. Vaidehi, Professor & Head, Dept. of IT attended the International Conference on, Automation, Robotics, Control and Vision held during 3-10 December 2010 at Singapore and presented research papers in the International Multi conference of Engineers and Computers Scientists organized by International Association of Engineers held at Hong Kong 16.3.11 to 18.3.11

*Everything has its beauty but not everyone sees it.*

**ITA Activities :**

Anything well begun is half done. So it all began with the auspicious inauguration of the **INFORMATION TECHNOLOGY ASSOCIATION** on **August 8th 2010**. The inauguration was presided over the **Mr. Siva Pagadala, Associate General Manager, HCL Technologies** and **Dr. V. Vaidehi** the president of the Association.

The portfolio of all the activities conducted under the wing of the ITA is as follows.

- ❖ Ms. Pradipa from **IBM** conducted a seminar on **SERVER SIDE TECHNOLOGY**
- ❖ Mr. Sreenivasan from **WIPRO** dealt with issues on **Network Security**.
- ❖ A lecture on the types of filters was given by **Dr. Prakash** from the Electronics and Instrumentation Department, MIT Campus, Anna University.
- ❖ **Dr. Lakshmi Narasimhan** from East Carolina University, USA gave a presentation on **INTELLIGENT AGENT BASED TECHNOLOGY**. He elaborated on the different types of mobile agents.

Soon, the baton will be passed from the seniors to the juniors and it is expected that the Association will prosper with them at the helm. So grooming sessions were organised for the juniors. These included conducting **PRAGMA**, a talent hunt contest which tested their aptitude and technical skills. **Mock interviews** were conducted on a regular basis to train them on facing job interviews with companies. **Placement classes** were held regularly to guide them. These classes covered a whole range of subjects from Data Structures to Computer Networks. Students were trained to improve their communication skills. **A workshop** was conducted by Mr. Vinod Patela from **IBM** to give an insight into using the IBM tools needed from IBM TGMC'11. A placement session was organized by **IMS Coaching Centre, Chennai**. **Chopras' Consultants**, a global consultancy firm was paramount in guiding the students on higher education prospects abroad. Furthermore, a seminar on **Digital Image Processing** was conducted by Dr. P. Anandhakumar .P, Associate Professor, MIT Campus, Anna University.

**Dr. V. Vaidehi**  
Head of the Department

**Dr. P. Anandhakumar**  
Staff In-charge

**M. Ajay**  
Chairman

*Everything we achieve will not stop our search, only when we find ourselves we achieve everything*

## DIVISION OF APPLIED SCIENCES AND HUMANITIES

The Division of Applied Sciences and Humanities is one of the largest units of M.I.T. campus, Chromepet, Chennai 600 044 with the Teaching Faculty strength of 25 members. This division offers two year M.Sc. (Applied Mathematics) Programme with an intake of 15 students and M.Phil (Mathematics) Programme with an intake of 10 students, besides catering to the needs of B.E./B.Tech/M.E./M.Tech Programmes, in Application of Mathematics, Physics and Chemistry. It also involves in creating, conveying and applying knowledge and linguistic skills for the holistic development of the individuals. The faculty members of this division are actively involved in research and development in the following areas:

- Mathematics : Operational Research, Algebra, Theoretical Computer Science, Applied Probability and Stochastic Processes, Linear Algebra, Generalized Inverses and its Applications, Graph Theory, Combinatorics, Complex Analysis, Univalent Functions, Special Functions
- Physics : Solid State Physics, Applied Spectroscopy, Solid State Luminescence, Material Science, Solid State Ionics, Electronic Ceramics, Crystal Growth
- Chemistry : Corrosion and Polymer Chemistry
- English : English Language Teaching and Contemporary Literature

**Dr. S.Paulraj**  
Coordinator

*Success is the ability to go from failure to failure without losing your enthusiasm.*

## ATHENAEUM ANNUAL REPORT

There is a wonderful saying, "Each drop in an ocean matters". Similarly many individual beautiful flowers bound together with the relationship of unity and affection decorates MIT as a colourful garland. To Serve in this motto 'ATHENAEUM' - the student body of MIT was formed by Mr. Srinivasan who was the Director of MIT during the year 1954. From then till now ATHENAEUM serves as a place to join together and sculpt new ideas with MIT's trademark creativity. As the technocrats of MIT are also the trendsetters for ragas and talas, ATHENAEUM - the official cultural forum of MIT, brings the new talents to limelight.

The ATHENAEUM's body with six elected student representatives had its inauguration on July 23, 2011 with Mr. Ravi, HOD, Direction Department, Film Institute & *kanaa kaanum kaalangaal serial fame (as Gabriel master)* as the chief guest. Dr. A. Joseph Stanley, Dean and ATHENAEUM President, presided over the function and the vice presidents Mr. V. Arumugam and Dr. P. Jayashree were also present during the function.

Followed by inauguration, ATHENAEUM looked upon the student's aspiration in seeking administration careers. MIT technocrats also showed interest in becoming IAS, IPS, IFS officers. Hence an orientation programme was conducted for civil services examination which had two successful people : Mr. Nandakumar, IRS and Ms. Shanmuga Priya who studied in *A.C. Tech . college* and recently selected as an IAS officer. Both of them explained the various nuances in cracking the exam and securing that prestigious position. MITians also showed overwhelming response for this programme.

Before the exam fever culminates, the cultural fever starts during the odd semesters for MITians. Yeah, it is the time for SIVARANJANI. This time it was conducted on September 24 and 25. With stylishly carved year names the students from each year exhibited their talents in various art, literary, music and dance events to gain points for their year and win the title in SIVARANJANI. This year's SIVARANJANI had a star studded two days of gala, fun filled with screams and noise. Celebrities like Thozhar L. V. Athavan, Neelima Rani, R. J. Gopida, Singer Roshini, Directors Pandiarajan and National award winner & *PASANGA* film director Pandiraj graced the occasion. Along with this there also was a Pro show in SIVARANJANI which was performed by URJA - a contemporary classical dance team who danced to the westernized tunes of Sanskrit shlokas in our own traditional form as Bharathanatyam. The team was from Mumbai and they felt happy for the welcoming response from the college crowd for their new attempt. The function merrily ended with the *RULING REBELS* (Third years) winning the overall trophy for this year's SIVARANJANI.

*If someone does not smile at you, be generous and offer your own smile.*

MIT is known for the inter college cultural fiesta - MITAFEST. Each year it expands in grandeur and portrays the rich heritage of MIT to other college participants. MITAFEST'11 was also a four days breathtaking festival with verve and vigour. Many new events like slow biking, cooking without flames, Tenglish, Photography (Online cum onspot), Street Battle attracted the other college participants. Sponsored events like Pepe Jean's Fashion Show, City Wide Treasure Hunt and Vijay TV's Amman TRY Oru Vaarthan Oru Latcham added colour to the function. This year's pro show was a scintillating experience with live orchestra Lakshman sruthi and the happening singers Haricharan, Suvi Suresh and Velmurugan rocking the crowd with nonstop foot tapping numbers. Apart from this many guests like Ramesh Praba, *Paavalar* Arivumathi, *Gaana* Shyam, *Nizhalgal* Ravi, Tinku, Ramachandran, Priya 'Naanga' Film Crew & many other cine and small screen celebrities graced the occasion. 'Aadukalam' fame Director Vetrimaran came over to MIT for a casual interaction with the crowd. He answered the freaky and serious questions from the audience for more than two hours & added to the essence of MITAFEST '11. MITAFEST '11 is also known for the literary events like neeya nana, oru nimida kathai and poetry. There was a pattimandram conducted by Prof. Gnanasambandam who is famous for his humorous speech and interesting acting in the film *SMS*. Beloved Vice-chancellor, Dr. P Mannar Jawahar also joined with the MITians on the last day of MITAFEST' 11.

MITians are known not only for talents and achievements but also for their response to the timely needs of the society. In view of honouring the versatile genius and the alumnus of MIT, Mr. Sujatha, on his remembrance day (February 27, 2011) which happened to be the last day of MITAFEST'11, a sum of money was collected for the welfare of heart patients and donated to SRI SANKARA HEART FOUNDATION. Previously the collection of money was inaugurated by Dean in the campus, a month before this event by releasing the heart shaped balloons.

OAT in MIT is continuing for a long time since when the television and computers dint come to a popular stage. It's the time for MITians to rejoice and refresh and even this year six OATs were conducted, featuring films selected by students through SMS voting. The last OAT witnessed the family of staff members along with the students to revive the old tradition.

Here comes the end. The time to be happy is now. The place to be happy is here. The way to be happy is to make others happy. With smiles of MITians, the motto "United to rule" was reaffirmed again through the bonding of relationships even this year too.

Our sincere thanks to Dean and President of Athenaeum, Dr.A.Joseph Stanley for his keen interest and guidance in all our works. We also express our gratitude to our vice presidents Mr.VArumugam and Dr. P. Jayashree. Our heartfelt thanks to HODs, Staff members, Executive Warden & Hostel committee, Security officers, Maintenance Dept. and others who have given their ideas, suggestions and invaluable support. We offer this small word "Thanks" with great warmth of affection.

*On behalf of Team Athenaeum*  
**Parthiban Ravikumar**  
**Chairman**

*The best way to know God is to love many things.*

## HOSTEL COMMITTEE

MIT hostels consist of 9 blocks and 4 messes. A total of 1550 students are residing in the hostel campus. Also the hostel provides essential facilities like TV Room, Reading room, Fitness court, Recreation centre, Co-Operative Stores (Providing stationeries, cosmetics, eatables), Xerox Facility etc. The above facilities are provided to the students on credit basis.

### From this year the name of the hostel blocks were changed

1. Block IV   ⇒  Amaravathi
2. Block I    ⇒  Vaigai
3. Block V    ⇒  Bhavani
4. Block VI   ⇒  Thamirabharani

### The Infrastructure completed this year includes

- |   |   |
|---|---|
| <input type="checkbox"/> NV -Mess 1 <sup>st</sup> floor | <input type="checkbox"/> Model of the Renovated Hostel Campus     |
| <input type="checkbox"/> NV -Mess 2 <sup>nd</sup> floor | <input type="checkbox"/> New gas storage room for NV -Mess        |
| <input type="checkbox"/> Marutham Mess                  | <input type="checkbox"/> R.O water facility at Marutham & NV Mess |
| <input type="checkbox"/> Cauvery Hostel phase -II       | <input type="checkbox"/> Automatic Dosa machine                   |
| <input type="checkbox"/> Pebbles Track                  | <input type="checkbox"/> Billiards court                          |

### The following facilities were added:

- ❖ Hydraulic lift in Non-Vegetarian Mess
- ❖ Electro Mechanical lift in Vegetarian Mess
- ❖ Solar operated street lights
- ❖ Solar operated Veranda lights in Amaravathi hostel

### The following blocks were renovated:

- ❖ Birla Hostel
- ❖ Bhavani Hostel
- ❖ Alumni House

### To monitor the students account the following procedures were introduced:

1. Hostel ID cards for all students (To use in MIT stores for all purchases)
2. Card Access system at Marutham Mess

### The current works being carried out are

- Marutham hostel Phase II
- Cauvery Hostel Phase II
- Solid waste Management Plant

*The surest way not to fail is to determine to succeed.*

We feel happy to disclose that “VAALKA VALAMUDAN “Programme was conducted for girls in which around 80 girls participated.

We would like to thank all the Staff and Students for Co-operating to make this Hostel Campus a peaceful and prosperous one.

The “HOMEFEST 2011” (Hostel Day) was celebrated from 1<sup>st</sup> to 3<sup>rd</sup> April 2011 based on the theme “ENGAL GRAMAM”

Also one bad news of the year was that we lost one of our 1<sup>st</sup> year ECE students by name K.Silambamuthan who suddenly collapsed in the hospital. We pray God for his soul to rest in peace.

### **Hostel Organisation :**

#### Dean/Warden

**Dr. A. Joseph Stanley**

#### Executive Warden

**Mr. A. Jothilingam**

#### Deputy Wardens

**Dr. K. Senthil Kumar**

**Mr. G. Rajesh**

**Dr. Janci Rani**

#### Resident Counsellors

**L. Rajesh, (Marutham RC)**

**N. Kavitha, (Cauvery RC)**

**P.M. Ashok Kumar, (Bhavani RC)**

**Koti Lingam, (Birla RC)**

**V. Jayaseelan, (Amaravathi RC)**

**R. Adhilingam (Thamirabarani RC)**

**Vasanthan, (Rajam Hostel RC)**

**Sangeetha, (Cauvery PH-II RC)**

#### Student Secretaries

##### Hostel Secretaries

**S. Vinoth, 20073040**

**R. Karpagalakshmi, 20073425**

##### Mess Secretaries

**R. Manikandan, 20073528**

**M. Jayanthi, 20073519**

##### Amenities Secretary

**P. Vigneswaran, 20073765**

##### Hostel Manager

**G. Janardhan Singh**

##### Mess Manager

**G. Mohana Dasan**

*Where the willingness is great, the difficulties cannot be great.*



## **NATIONAL SERVICE SCHEME (NSS)**

NSS with the motto 'NOT ME BUT YOU', is functioning in MIT which trains the students for social services. In the academic year of 2010-2011, there were five units in MIT, each consisting of about fifty students.

### **INAUGURATION**

The inauguration function was held on 6<sup>th</sup> of September with the chief guest as Dr.S.RAJARAM Dr. A. Joseph Stanley, the Dean of MIT campus, along with NSS program officers and students.

### **THE DAY ON WHICH HUMANITY ORIGINATED – NSS DAY**

It was conducted on 27<sup>th</sup> September with the chief guest as The General Secretary of Sivananda Saraswathi Sevashram. We conducted many competitions.

### **NATIONAL YOUTH DAY - THE DAY FOR YOUNGSTERS**

It was held on 12<sup>th</sup> January, in the presence of Dr.T.Janaki Raman, the Consultant and Public Information Officer of Tamil Virtual Academy in Chennai.

### **SEMINARS – CREATING AWARENESS**

There was a seminar conducted on "TOBACCO CAUSING CANCER AND ITS AWARENESS" with the help of Cancer Institute, Adyar, Chennai.

### **TREE-PLANTATION**

Every one owes a great deal of responsibility in preserving and protecting our earth, there was a campaign conducted suggesting "GO GREEN" in MIT.

### **ORPHANGE VISIT –AN OCCASION ON WHICH MERCY FLOODS THROUGH**

Orphanage visit to Sivanandha Gurukulam was organised on 31<sup>st</sup> October, 2010. Another orphanage visit to Karunai Illam was made on 3<sup>rd</sup> February, 2011. This actually exposed the orphan's life to our MIT students.

### **CAMPUS CLEANING**

Campus cleaning was conducted on 31<sup>st</sup> January in which many NSS volunteers actively participated in cleaning the college which invoked the importance of cleanliness of our surroundings in student's mind.

*We see things not as they are, but as we are.*

**WORKSHOP CONDUCTED**

IIT in collaboration with CEG conducted workshop on-Technologies in Rural Development and also conducted a paper presentation regarding the same.

**ORPHANGE TEACHING – TEACHING IS A SERVICE NOT A JOB**

A teaching session was conducted on 30<sup>th</sup> January for the children of Adisvarar Orphanage and another on 8<sup>th</sup> January for Saradha Sivasram.

**REPUBLIC DAY**

Republic Day was celebrated in CEG campus. Prizes were distributed to the best volunteers and coordinators by our beloved VC.

**TREKKING-A WONDERFUL JOURNEY IN LIFE**

Students trekked to Kaliangundram which is situated in Perungalathur, on 6<sup>th</sup> March,2011. Many students participated in it.

**BOOK FAIR-BOOKS ARE THE BEST FRIENDS OF A MAN**

First year students of MIT volunteered in a book fair that took place in Guindy. Many were appreciated for their dedication.

**Faculty-in-Charge**

Mr. Thirumal Azhagan, Department of Production Technology.

Dr. K. Annamalai, Department of Automobile Engineering.

Mr .P. Senthil Kumar, Department of Automobile Engineering.

Mr. K. Elangovan, Department of Rubber and Plastics Technology.

Mr. G. Rajesh, Department of Information Technology.

Mrs. VP. Jaya Chitra, Department of Computer Technology.

**K.N.Karthick**  
Chairman

*The quitter you become, the more you can hear.*

## NATIONAL SPORTS ORGANIZATION (NSO)

- I. Our MIT Students won the **INDIVIDUAL CHAMPIONSHIP** and **OVER ALL CHAMPIONSHIP** in Zone - IV A - Athletics both in Men & Women Sections.
- II. In Games **Two Golds, One Silver and Three Bronzes** were captured by our MIT Students in Chess (M&W), Badminton (Men), Kabaddi (Men), Ball Badminton (Men), Volley Ball (Men) and Table Tennis (Men).
- III. Our MIT Students won the **Anna University Zone IV - A Zonal Championship Award** during this academic year also i.e., **Second Year in - succession**.
- IV. **Students selected for Anna University Team 2010 - 11 and participated in the Inter University Level Tournaments.**
  - ❑ **Ms. A. Sarojini Devi, Third Year - IT** took part in the **All India Inter University Swimming Championship** held at University of Calcutta, Kolkata in the Month of August 2010.
  - ❑ **Mr. K. Vasanth, Second Year - ECE**, took part in the **All India Inter University Kho-Kho Championship** held at Dr. B.R. Ambedkar University, Srikakulam, Andhra Pradesh during 30<sup>th</sup> December 2010 to 5<sup>th</sup> January 2011.
  - ❑ **Mr. K. Kanna Prakash, Second Year - ECE** took part in the **All India Inter University Boxing Championship** held at Mohanlal Sukhadia University, Udaipur, Rajasthan, during 9<sup>th</sup> to 16<sup>th</sup> January 2011.
  - ❑ **Mr. Subash Somanathan, Final Year - Aerospace** took part in the **All India Inter University Badminton (Men)** Tournament held at Dr. N.T.R University, Vijayawada, Andhra Pradesh during 29<sup>th</sup> to 31<sup>st</sup> October 2011.
- V. **Sports Achievements by MIT Students at the State, National and Inter National Arena.**
  1. **M. Lenin Sundara Balaji, First Year - CSE** participated in **All India Tennikoit Tournament** secured **Second Position** and **Won Individual Championship** in Junior Level held at Orissa during the month of November 2010.

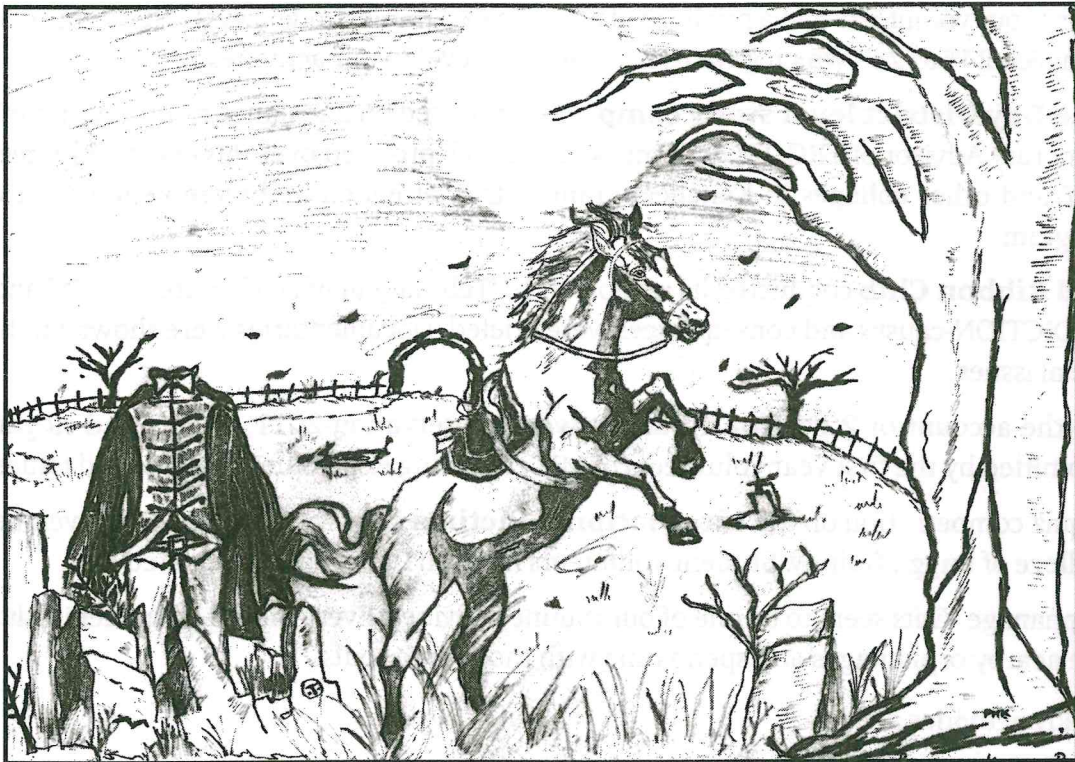
*Every exit is an entry somewhere else.*

2. **M.Saveetha, First year - ECE** took part in was a member of Throw Ball Team of Inter National Throw Ball Association which took part in the **All India Throw Ball Women Championship** held at **Vellammal Inter National School** during September 2010 to Obtained **First Position**.

VI. With the Permission of the Authorities of Anna University, Chennai, under the Guidance of **Dr. S. Sundararajan, Deputy Director of Physical Education**, MIT Campus, **S.S. BLJU**, one of the Ph.D., Scholar (Part - Time), have been awarded Ph.D., Degree in Physical Education from **University of Kerala, this year also**.

**Dr. S. Sundararajan**  
Deputy Director of Physical Education

**V.Vignesh**  
Chairman



*Words have power both to destroy and heal.*

## YOUTH RED CROSS (YRC)

### *Helping hands are better than praying lips*

With multitudes of plans and inspiration, YRC began its activities for the year 2010-11 with the formal inauguration ceremony on 7<sup>th</sup> September, 2010 in the esteemed presence of Thiru.R.Rajendra Solan, Editor, Mannmozhi and our beloved Dean Dr.A.Joseph Stanley.

- For **GENEVA CONVENTION**, a State level competition was conducted by Indian Red Cross Society in MIT on Aug 6<sup>th</sup>. The competitions included Elocution, Essay Writing (English and Tamil) and Drawing.
- For the first time in the history of MIT, **NATIONAL YOUTH DAY**, was celebrated on 12<sup>th</sup> January, 2011 which was presided over by Dr.T.Janaki Raman, Consultant, Tamil Virtual Academy, Chennai. Many competitions were held and prizes were distributed.
- Little drops make a mighty ocean. YRC organized a Blood Donation Camp on 23<sup>rd</sup> July 2010. Students of MIT who donated blood regularly were honored by The Chennai Social Service on the Republic Day.
- Four of our volunteers had a privilege of attending a 4 day National Level YRC Camp at Madurai from Feb 24<sup>th</sup> to 28<sup>th</sup> which gave us new ideas to develop our activities.
- **One Day District level study camp** was conducted on 22<sup>nd</sup> January. Prof.A.Kadar Bashsa, Honorary Advisor of YRC, IRCS, Tamil Nadu Branch presided over this event. Volunteers from MIT and other colleges in Kancheepuram district attended and were benefitted from this program.
- **Red Ribbon Club** conducted its session on 13<sup>th</sup> February in which lecture on AIDS and DRUG ADDICTION-causes and consequences were briefed. Documentaries were shown on the above social issues.
- On the account of **22<sup>nd</sup> Road Safety week** observation-2011, papers and slogans were submitted by the first year volunteers of MIT regarding Road Safety and related issues.
- A quiz competition on the **International Victims Day** was held on 20<sup>th</sup> November in the College of Engg., Guindy. Student volunteers from MIT actively participated in it.
- Orphanage Visits seem to be one of our routine activities. Every month volunteers visit some of the nearby orphanages and spend time with those pure souls.

Our weekly activities are :

#### 1. **FIRST AID CLASSES:**

Classes were taken and a test was conducted for the first year volunteers to check their familiarity and demonstrations of the first aid activities.

*When words are both true and kind, they can change our world*



## ANNA UNIVERSITY CHENNAI

Chennai 600 025 | INDIA

### Dr P MANNAR JAWAHAR

PhD., ME, DMIT, B.Sc., MISTE, MISME,  
MISNDT, MSAE(USA), FIE, CHARTERED ENGINEER

VICE CHANCELLOR



### MESSAGE

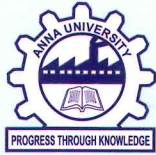
*I am glad to learn that Athenaeum of MIT Campus is bringing out an Annual Magazine **MITMAG** during April 2011.*

*I sincerely believe that this magazine would provide information about the Departments and Centres having hi-tech labs, the activities carried out by the individual departments by means of organizing workshops, discussion forums, seminars, conferences, lecturers by expertise from academia and industries, the publication of journals by the faculty and the researchers, creative articles from students etc.*

*I hope that this magazine would enchant and draw the attention of the readers for giving valuable reports and about the developmental activities carried out in the campus.*

*I congratulate the Athenaeum team for their extraneous efforts in releasing this magazine for the benefit of everyone.*

**(Dr.P.Mannar Jawahar)**



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**Dr. S. SHANMUGAVEL, Ph.D.,**  
REGISTRAR



Dated : 22.03.2011

MESSAGE

I am happy to note that Madras Institute of Technology Campus, Anna University Chennai is releasing MITMAG 2011. I hope this would serve as a platform for upcoming students of Madras Institute of Technology to expose their technical capabilities and creativity to this world.

I am confident that this magazine will contain wealth of information and would definitely glorify the variety of activities that has taken place. I convey my best wishes to the team behind this venture of MITMAG 2011. I wish that this institution moulds many more amateur students to perfection and glory.

*Shanmugavel*  
22/3/11

S.SHANMUGAVEL

## Atheneum & Magazine Committee



**Dr. A. Joseph Stanley**  
Dean & President



**V. Arumugam**  
Vice President



**Dr. P. Jayashree**  
Vice President



**Prof. S. Gajendran**  
Editor



**Dr. K. Elango**  
Editor



**Parthiban**  
Chairman



**R. Manoj**  
Program Secretary



**Gopal**  
PG Representative



**Malarkodi**  
Lady Representative



**Venkatesh**  
General Secretary



**Ravi**  
Treasurer





## Anna University

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DEAN



### *MESSAGE*

*The Athenaeum of Madras Institute of Technology Campus is a student body serving to the various interests of student community. The publication of MITMAG every year is one of its activities that give scope for the young students to exhibit their writing skills. Apart from this MITMAG is a useful magazine to get information regarding the various important events and activities held in MIT Campus in the academic year through articles and photographs.*

*I would like to congratulate the student body for bringing out the MITMAG for the year 2011 with usual zeal.*

**(A. JOSEPH STANLEY)**



Department of Information Technology - UG



Department of Aerospace Engineering (PG) - Aeronautical Engg.,



Department of Aerospace Engineering - (PG) - Aerospace Engg.,



Department of Aerospace Engineering (PG) - Avionics



Department of Automobile Engineering - PG



**Department of Electronics Engineering (PG)**



**Department of Instrumentation Engineering (PG)**



**Department of Information Technology - PG**



**Division of Applied Sciences & Humanities, M.Sc (Maths)**



Department of Production Technology (PG) - Manufacturing



Department of Production Technology (PG) - Mechatronics



Division of Applied Sciences & Humanities (M.Phil) Maths



Computer Centre





**ANNA UNIVERSITY CHENNAI**  
**Diamond Jubilee of**  
**MADRAS INSTITUTE OF TECHNOLOGY**  
2008-09



**Dr. A. Joseph Stanley**  
Dean, MIT Campus

**HEADS OF THE DEPARTMENTS**



**Dr. B.T.N. Sridhar**  
Department of Aerospace Engineering



**Dr. G. Devaradjane**  
Department of Automobile Engineering



**Dr. Malajohn**  
Department of Electronics Engineering & Director, AU-KBC



**Dr. A. Rajadurai**  
Department of Production Technology



**Dr. K. Bhoopathy Bagan**  
Department of Instrumentation Engineering



**Dr. N. Nathchimuthu**  
Department of Rubber & Plastics Technology

**HEADS OF THE DEPARTMENTS**



**Dr. V. Vaidehi**  
Department of Information Technology



**Dr. S. Thamarai Selvi**  
Department of Computer Technology



**Dr. S. Paul Raj**  
Division of Applied Sciences & Humanities



**Dr. S. Elangovan**  
Director, CASR



**Dr. B. Mohan**  
Zonal Co-ordinator



**Mrs. Catherine Bina**  
Placement officer & Head, Computer Centre



**Dr. M. Ganesh Madhan**  
Professor In-charge of Library



**Mr. A. Jothilingam**  
Deputy Controller of Examination & Executive Warden

**2. AWARENESS PROGRAMS BY CSS:**

Members from Chennai Social Service created awareness regarding dreadful diseases like cancer and leprosy. This revealed the real need for care and concern towards the victims.

Our students donated basic clothing to the needy in the JOY OF GIVING WEEK organized by GOONJ.

**3. FIRE SERVICE DEMO:**

Students were taught about the importance of fire service during emergencies. They were also given practical demonstration about the various kinds of fire ceasing methods conducted in MIT Annex on 22<sup>nd</sup> March 2011.

**4. TRAFFIC SAFETY:**

The Traffic Inspector from Chromepet was invited and a special training was given to the first year volunteers about the traffic rules and regulations.

**READING SESSIONS:**

Reading sessions for the blind were conducted every day by the volunteers, thus helping the visually challenged people to enhance their education. As an initiative, **Spoken English class** was also conducted from this year and certificates were provided to the visually challenged.

**PROJECTS :**

First year volunteers were split into groups and a Project was given to each for which Reviews were held and Reports submitted.

**VIRUKSH 2011 & VALEDICTORY:**

VIRUKSH '11, a function of YRC was conducted every year, where the students were provided with a platform to demonstrate their talents. Various competitions were conducted and prizes were distributed. Also, all the year activities were consolidated and presented on the same day.

**PRIME ACTIVITY-CAMP:**

We end our year activities by the seven day camp where we get opportunity to meet and mingle with the less fortunate. We performed activities like school teaching, field work, and created awareness among the people about various social problems.

**PROGRAMME OFFICERS:**

- 1) Prof.P Sadagopan, English Department
- 2) Dr.S.Thanigaiarasu, Aerospace Department
- 3) Mrs.T.Subashri, ECE Department

**G.V. Saravanan**  
Chairman

*All that we are here is the result of what we have thought. The mind is everything.*

## PERSONALITY DEVELOPMENT ASSOCIATION (PDA)

The activities of Personality Development Association for the academic year 2010-2011 was officially inaugurated on 27<sup>th</sup> august 2010 by our beloved senior A.Radhakrishnan who is an executive committee member of MIT Alumni Association.

To enhance the arithmetic ability of the students, aptitude classes and tests were conducted throughout the year on a weekly basis. PDA conducted 25 aptitude classes and 20 aptitude tests during the year 2010-2011. On an average 65 students appeared for aptitude classes and 175 students for aptitude tests.

To improve the soft skills of the students we conducted sessions on Saturdays for snap discussions, Group discussions and oratory events. Five sessions later it was modified as "PLACEMENT SESSIONS" which was inaugurated by Dr.Selvam, Director-CUIC. These placement sessions were held every Friday and covered the topics like General Aptitude, Group Discussion, Self Introduction, Resume writing and Mock Interviews. A guest lecture was also arranged regarding this. Monday evenings were allocated to help students preparing for higher studies (CAT, GRE). Other than these Smart sessions-classes conducted by senior students for various subjects were held in both the semesters.

PDA arranged NDTV-HINDU, a TV channel, to shoot a program called U-Special in which students voiced their opinions on current affairs. We then celebrated the birth day of our alumni Dr.A.P.J.Abdul Kalam as STUDENTS WEEK and competitions such as Essay writing and India Quiz were conducted. "Persoplus" the magazine of PDA changed to "Thaagam" in which the literary and artistic talent of MITians is brought to light. Two issues of "Thaagam" have been published for this academic year. Apart from these activities PDA has taken up the initiative to build a **MIT MUSEUM (archives of MIT)** for MIT which was inaugurated on 18<sup>th</sup> March 2011.

The Major Annual Festival of PDA, the PERSOFEST-11 was inaugurated on 19<sup>th</sup> Feb 2011 by our first batch senior T.A.S. Balagopal. Varieties of events were held with the participation of about 1100 students. The major event of Persofest-11, Mr. & Ms. PERSOFEST commenced on 10<sup>th</sup> Jan 2011. PDA selected the best two from the 600 students. Mr.Jeffrey Samuel of 1<sup>st</sup> year CSE and Ms.Anitha Choudhry of third year ECE were awarded the title Mr. & Ms. PERSOFEST respectively.

We take pleasure in thanking our beloved MIT Dean, **Dr. A.Joseph Stanley**, Executive Warden, **Mr. A. Jothilingam** and staff advisor of PDA **Dr. K.M.Parammasivam** who have given us huge support and guidance to conduct all of the above successfully.

**P. Jayaraj**  
Chairman, PDA

*What we think we become.*

## ROTARACT CLUB OF MIT

**Social activities:** This year's activities were kicked off with a visit to an orphanage, "Dazzling stones", Kundrathur. Some of our college students celebrated their birthday with the children of the orphanage and cakes were distributed to them. We had Independence Day celebrations in the government school at Orakattupettai and Kavithandalam. Various competitions were conducted for the children and prizes were distributed. In the month of July along with YRC, we organised a blood donation camp for our college students. Then, we arranged a free medical camp for the children of construction workers in our college. We have started teaching computer fundamentals to the students at Govt. Girls higher secondary school, Choolaimedu.

**ROTOPARK,** a one-day outing for the children of the orphanage was arranged in the last week of March. We also have arranged for a medical camp for them. As a part of Rotaract Day celebration, we have adopted an orphan and we are sponsoring his studies. We have setup a library at an orphanage consisting of novels and subscribed Tamil and English newspapers for the same orphanage. We collected used clothes from MITians and donated them to orphanages.

**Mega events:** In October, we conducted our grand function, ROTOFEST'10, a literary and cultural fest for the differently abled. 250 students from seven schools in and around Chennai took part. Both cultural and literary competitions were conducted. The prizes to the winners were handed over by lyricist SNEHAN and actor KARATHE RAJA who presided over the valedictory function. Lunch was provided to all the participants.

In the month of January, we conducted SPARISH'11, a cultural fest for the orphans. 300 children from six different orphanages came and had fun. Following lunch, a magic show was organised for the children, which was enjoyed by everyone. We arranged a mimicry show by the Lollu sabha crew. Fun games were conducted for the children. The Fest ended with a grand dinner for the children.

**College activities:** We have been volunteering many activities outside college. In an attempt to do a college project, along with MIT Hostels, we have started "SOLID WASTE MANAGEMENT" in our hostel zone. The project for New Year 2011 is "Evergreen earth", with the combined initiative of MIT Hostels, to create awareness among the students for efficient reusing and recycling of polythene bags. We have bought special cloth bags and our volunteers distributed the cloth bags to the students who are bringing polythene bags from the shops, to avoid dumping of polythene bags inside the hostel campus. We organised an orientation programme for first years, to eliminate stage fear and make them involved in team work. We help them develop leadership qualities.

*Nothing is permanent. Like river flows, everything will pass by in life. Live happily.*

**Fund Raiser:** On the eve of Inauguration of Rotaract club on Aug 2010, with the help of our parent club, "ROTARY CLUB OF NORTH-WEST" we provided a scholarship to one of our college students. We have planned to extend this scheme by including one more student every year. In an attempt to help our college students, we started the "EMERGENCY RELIEF FUND" in Dec 2010. The fund is maintained by our club and a sum of Rs.10 is deducted from the mess bill of interested students. Whenever a student of our college or his family meets with any medical emergency, 60% of the total expenses will be paid, which he is indebted to pay back in instalments once he starts working.

**Dr. K.Kalaichelvan**  
Staff-in-Charge

**S. Saravanan**  
President



*When you cannot control yourself, your mind, why do you want others to be in your control?*

## COMPUTER SOCIETY OF MIT (CSMIT)

Computer Society (originally called *Computer Club*) of Madras Institute of Technology (CSMIT), was *founded in 1983*, by the students of non-InfoTech branches with a view to improve their knowledge in the field of computer science. Currently it functions to help MITians improve their computer skills in their respective domain. The activities of Computer Society 2010-11 started with the **inauguration on 09<sup>th</sup> August 2010**.

As part of our Tamil computing activities, we conducted an **unconference on Free Tamil Computing on August 28** in association with *Yavarkkumana Menporul Arakkattalai*, to kickstart projects to be done to make Tamil as a compatible language with computers as English.

We made the first years move on to **GCC** from the outdated TurboC compiler for the *FOC lab* and made the lab well equipped with around 6400 packages of software in GNU/Linux.

We took part in organizing the **Software Freedom Day** celebrations on **18<sup>th</sup> September** 2010 in association with *ILUGC* (Indian Linux Users Group, Chennai). We also presented *7 demos* on Free / Open Source software tools at this event held at Birla Planetarium and won 3 out of 4 prizes.

We conducted an intra-college technical fest **Enigma on October 9** which included various events for all stream of students, including programming & debugging contests, microprocessors, GNU/Linux quiz, FOSS quiz, Configure IT, rolling events like cryptic math, hanging quiz, crossword and a special Juggernaut. A **workshop on Python hacking** was also conducted as a part of the fest.

**Community Service** is also an integrated part of our activities. We conducted classes for the students of Ayyasamy School of Chitlapakkam, Chromepet and taught them the basics of Computer practically.

We define **Carte Blanche**, a national level inter-college Free Software fest conducted on 5<sup>th</sup> and 6<sup>th</sup> of February 2011 as *the Golden Crown* of our activities. The day was power packed with many interesting events such as quizzes, technical contests, debate and workshops. One-day-workshops on *'Drupal Dev camp'* and *'OS Commerce'* were conducted in this fest. And a free workshop on *'Wikipedia'* was also conducted. Around 30 FOSS demos from various college students which included **15 demos from MIT** were exhibited on the second day which was the highlight of the fest.

*God is realized by following the path of truth.*



Along with the Computer Centre of MIT and ILUGC, we organized an **FDP** (Faculty Development Program) on FOSS (Free and Open Source Software) which was held at the Computer Centre. It was a 4 day programme, covering the Anna University syllabus for *FOSS lab*, which was introduced in the curriculum, Regulation 2008. CSMIT took part in the preparation of **manual** for the **FOSS** lab with the help of volunteers from ILUGC and others.

Apart from this, the regular activities of CSMIT include the following: A **monthly** event, **Juggernaut**, has been conducted to improve the core knowledge and practical application skills, along with aptitude questions of a high standard. It covers all branches – IT stream, Electronics stream and Mechanical stream, and it consists of three rounds among which the first round consisting of aptitude is common to all and the subsequent rounds are stream specific.

**Classes on FOSS and robotics** were arranged as per the need of the students. **Aptitude tests** were conducted every week in association with PDA, for which CSMIT contributed by providing questions on *C* language.

**T. Catherine Bina**  
Head, Computer Centre

**R.J. Aarthi**  
Staff-incharge

**K.R.Vignesh Nandha Kumar**  
Chairman

*The more we feel joy, the more we love ourselves.*

## WEB TEAM, MIT

In today's world of Internet & Technology, creating and maintaining a website is one of the prime ways by which an organization projects itself to the world. As a measure of providing this means of reach to our college, the web team of MIT was formed in the year 2009. It includes a team of enthusiastic and creative MIT master minds across the departments of the college.

The website showcases a wide range of details about every department—from syllabus, faculty details, research projects, infrastructure to the department's events, hosted conference details, invitations & announcements. Every department's particulars are maintained by two representatives—one from the department collecting all the latest information and the other making appropriate site updates. Alumni and Hostel sub-domains were also developed and maintained by the web team of MIT. The team members have also hosted a number of online events like Online Treasure Hunts, Online Puzzle Contests etc.

The Web team of MIT maintains a number of sites including

- ❖ [www.mitindia.edu](http://www.mitindia.edu)
- ❖ [www.mithostel.mitindia.edu](http://www.mithostel.mitindia.edu)

The web team also aims at ***inculcating aspirants with an in depth knowledge of web designing, web hosting and web development (www of MIT).***

With this goal, regular theory classes and lab sessions have been conducted on various topics like

- HTML & CSS
- Javascript & PHP
- Site development classes on Joomla

With these goals and activities the team has helped the college website to provide

- The infrastructure, curriculum, fee details etc., to the *new-buddies* yet to enter our campus.
- Mess bills, symposium details, internship and placement details to the current set of students.
- a platform for the alumni to keep in touch
- The achievements and activities to the organizations trying to make use of the college resources.

**T. Catherine Bina**  
Staff-in-Charge

**J. Jasmine Sylvia**  
Web master

*The best way to cheer you up is to try to cheer somebody else up.*

## LIBRARY – M.I.T. CAMPUS

The MIT Campus University library – a treasure house of books and periodicals – is a centre of intellectual activity of any institution. The MIT campus library, strives to cater to the needs of its users in the interest of creativity and innovation, the predecessors of Research and Development.

The library is well-equipped with stacks housing nearly 70160 volumes of books in various engineering subjects and basic sciences. The library subscribes to 245 periodicals. Besides, the library has 11,500 bound back volumes of periodicals and 10,000 ISI Standards. The audiovisual educational programmes and video demonstrations are also often carried out in the library.

During this academic year the library added 2960 books to the tune of Rs. 10,25,000/-. The library subscribed the e-resources to the tune of Rs. 80,00,000/- besides subscribing the Print periodicals worth of Rs. 9,25,000/-. The major mile stones in the MIT Campus University Library during the year 2010-11 are as follows.

- ☺ Two day workshop on “Integrated Library Management Using the Koha Software” has been organized in association with the Directorate of Public Libraries, Govt of Tamil Nadu and NRCFOSS, AU-KBC Research Centre, Anna University, Chennai during 2<sup>nd</sup> and 3<sup>rd</sup> July 2010.
- ☺ Prof. Narasimhan Sundararajan, Nanyang Technological University, Singapore visited the library at MIT campus. He appreciated the services rendered by the library and ambience of the library. Further Professor Sundararajan donated 35 books to the tune of Rs.50,000/- to the library, MIT campus.
- ☺ The National Library Week was celebrated from 14-11-2010 to 20-11-2010., The library organized an one day programme on 19-11-2010. The program comprises of Slide show, Inauguration of Tamil Book Collection, dedication of Online Catalogue of Tamil Book Collection of MIT Campus. Dr. A.Joseph Stanley, Dean, MIT Campus inaugurated the Tamil Book collection. Dr.T.Thyagarajan, Director, University Library inaugurated the slide show comprising of MIT Campus, Library, Archives of MIT Campus and Eminent Scientists and also the Online Catalogue for the Tamil Book Collection during the occasion. . Dr.C.Sri Hari Nagoor, former Professor-in charge, Library, MIT Campus inaugurated the Online Current Journals received during the month.

*Enthusiasm is the steam that drives the engine.*

- ☺ A Photo gallery exhibiting the various activities such as Eminent person's visit to MIT campus, Diamond Jubilee celebration, Silver Jubilee celebration, Infrastructure development, Vice-Chancellors' photos was inaugurated by the Vice Chancellor, Prof Dr. P. Mannar Jawahar on 18<sup>th</sup> March 2011.
- ☺ This year also, the Founder's Family of MIT donated a sum of Rs. 1.00 lakh towards the purchase of books for the Founder's Family Book Bank Scheme in the library established for helping the economically weaker section. So far they have contributed a sum of Rs. 5.00 lakhs for the Founder's Family Book Bank.
- ☺ Every year MIT Alumni Association donates books to the tune of Rs. 5,000/- during the Institute day, Founder's day function since 1994. This year also the Association donated 23 books worth Rs. 5,000/-to the library , MIT campus.

The Library has subscribed to the following e-resources and can be accessed any where within the MIT Campus.

E-resources	Subscription Period	Users/Jnls.	Access Begins From
American Chemical Society	January 2011 to December 2011	Multiple	Continue
American Institute of Physics	January 2011 to December 2011	Multiple	Continue
American Physical Society	January 2011 to December 2011	Multiple	Continue
Annual Reviews	April 2010 to March 2011	Multiple	Continue
Blackwell Publishing*	January 2011 to December 2011	Multiple	Continue
Cambridge University Press	January 2011 to December 2011	Multiple	Continue
Economic & Political Weekly	April 2010 to March 2011	Multiple	Continue
Elsevier Cell Press	January 2011 to December 2011	Multiple	Continue
Institute of Physics	January 2011 to December 2011	Multiple	Continue
ISID	April 2010 to March 2011	Multiple	Continue
JCCC	January 2011 to December 2011	Multiple	Continue
JSTOR	January 2011 to December 2011	Multiple	Continue
MathSciNet	January 2011 to December 2011	Multiple	Continue
Nature	January 2011 to December 2011	Multiple	Continue
Oxford University Press	April 2010 to March 2011	Multiple	Continue
Portland Press	January 2011 to December 2011	Multiple	Continue
Project Euclid	January 2011 to December 2011	Multiple	Continue
Project Muse	January 2011 to December 2011	Multiple	Continue
Royal Society of Chemistry	January 2011 to December 2011	Multiple	Continue

*The difference between success and mediocrity is all in the way you think.*

E-resources	Subscription Period	Users/Jnls.	Access Begins From*
ScienceDirect (10 Subject Collections) (1. Biochemistry, Genetics & Mol.Biology, 2. Agriculture & Biological Science, 3. Chemistry 4. Computer Science, 5. Economics, 6. Immunology & Microbiology, 7. Mathematics, 8. Physics & Astronomy, 9. Social Sciences, 10. Psychology)	January 2011 to December 2011 collection 1000+journals titles	Multiple	Jan 2011
SIAM	January 2011 to December 2011	Multiple	Continue
Springer Link	April 2010 to March 2011	Multiple	Continue
Taylor & Francis	January 2011 to December 2011	Multiple	Continue
Web of Science	January 2011 to December 2011	Multiple	Continue

\* Access is now for over 900 titles.

**Other e-resources subscribed are:**

E-resources	Subscription Period	Users/Jnls.
ACM Digital Library	January 2011 to December 2011	Multiple
ASCE	January 2011 to December 2011	Multiple
ASME	January 2011 to December 2011	Multiple
Ei-Compendex	October 2010 to September 2011	Multiple
IEL Online	January 2011 to December 2011	5 users
Proquest Science	January 2011 to December 2011	Multiple
ScienceDirect - Energy Collections	January 2011 to December 2011	Multiple
ScienceDirect- Engg. Subject Collections	January 2011 to December 2011	Multiple

**For access, please visit: [http://www.annauniv.edu/Library/digi\\_ejournal.html](http://www.annauniv.edu/Library/digi_ejournal.html).**

*It is wise to keep in mind that neither success nor failure is ever final.*

## MIT AND ITS ALUMNI ASSOCIATION (MITAA)

### A Recap of the Relationship.

MIT alumni association was formed in 1966. Since inception the association has come a long way and many chapters were also started. Neyveli, Bangalore, Hyderabad, Pune, Mumbai, Delhi, Middle East, Singapore, USA, etc. Today the alumni strength is little over 12000 all over the world.

The silver jubilee of the Association was held in February 1991. A three day program of lectures, seminars and Vision 2001, an Industrial Exhibition marked the occasion. Dr.A.P.J. Abdul Kalam, later he became the India's revered President, an alumnus of the Institute delivered the eighth C.Rajam Memorial Lecture on this occasion. A trust named The AMITA trust was formed to help students and entrepreneurs using the expertise of the senior MITIANS, and to raise funds for the Institute.

Today the AMITA trust has sufficient fund raised from alumni worldwide to help approximately 40 poor meritorious deserving students every year to pay their full college fee. Also MITAA extends many other help to the students, both financially and physically. MITAA took it up very seriously when it was brought to its notice about students drop-out due to soft skill deficiency. MITAA organizes many soft skill courses to the deserving students, shortlisted by MIT Dean/Staff.

An important function organized by MITAA is the Founder's day/Institute day/Alumni day, to gather and express gratitude to the Founder and the Institute he founded. Besides MITAA organizes annual alumni family get-together, technical seminars, Entrepreneur experience sharing sessions.

There are many alumni who touched the peak, to name a few

Great scientists like Dr.A.P.J.Abdul Kalam, Versatile genius/writer like (late) Mr. Sujatha Rangarajan.

Mr. K B Chandra Shekhar - founder of jamcracker.com & exodus.com in USA and AU-KBC Research Centre, MIT campus of Anna University.

A famous TV artist, Mr. Ramesh Prabha, (Sun TV/ Kalaignar TV famous).

Presently the Vice Chancellor of Anna University Dr. P. Mannar Jawahar, Registrar of Anna University Dr. Shanmugavel and the Dean of MIT campus of Anna University, Dr. A. Joseph Stanley are all alumni of MIT.

Present Executive Director of Reliance Industries Mr. PMS Prasad, Present Senior Exe Vice President-Projects, Reliance Industries Mr.A.Ramanathan.

The list goes on.

MITAA continuous its effort to keep a strong bond between the Institute and Alumni which is its main objective.

*Love all trust a few. Do wrong to none.*

## MY DAYS IN MIT

- Dr. A. Joseph Stanley, Dean, MIT

I am writing this article to share my experience in this great Madras Institute of Technology with my juniors from the year 1971. I have joined as a first year student in the Aeronautical Engineering department in July 1971 and lived in this campus for about four decades. At that time, the admission to this Institute was given to B.Sc., graduates only. Hence the Diploma in Madras Institute of Technology (DMIT) was considered as a post graduate diploma known all over India and in abroad. The working time of the Institute was from 7.30 a.m. to 5.00 p.m. with very tight academic schedule. The curriculum and syllabus was formed by four German Professors, on par with foreign Universities. There was no carry-over of arrear subjects and so a student has to repeat the year if he has failed to clear the papers of that year. Hence there were many students who have completed the course in five years instead of three years. It was very difficult to get a first class in the initial periods of the Institute. Because of this high standard, the Institute was able to produce outstanding alumnus like the former President of India Dr.A.P.J.Abdul Kalam.

I have been very fortunate, for having lived in two excellent hostels in my life. From 8<sup>th</sup> standard to B.Sc. at the hostel in St.Joseph's High School and College, Trichy and in MIT Hostels from 1971 to 1976, (DMIT & ME). In MIT Hostels, we were given a little more freedom, since already we were graduates. The intake of the Institute at that time was only about 100 per year with 30% other state quota. The hostel strength was only about 240 and almost every one was given a single room accommodation (the hostel strength is about 1550 as on 2011). The hostel used to be cosmopolitan because of the other state quota. The N.V Mess was actually North Indian mess with sukka chapathi's available during lunch and dinner. There was no day scholar's canteen at that time and so the hostel mess used to cater for hostellers, day scholars and staff.

As stated earlier the Institute will start at 7.30 a.m. and have a tea break from 9.20 to 9.40 a.m. lunch from 11.30 a.m. to 1.10 p.m. and tea break in the after-noon from 3.00 to 3.20 p.m. and close at 5.00 p.m. During the tea break the hostel will provide tea and snacks in front of each department for everybody in the Institute including staff, day scholars and hostellers. The mess will have an account for everybody and everything was cashless transaction. The mess also had a late breakfast facility where if you opt for a late breakfast, your break fast will be kept separately upto 10.00 a.m.

*There is a difference between knowing a thing and understanding it.*

Since the Institute starts at 7.30 a.m. many of us used to have the breakfast during the tea break 9.20 a.m. to 9.40 a.m. Similarly we used to have late dinner where your dinner will be kept separately for you up to 10.00 a.m. During 1970's the Chromepet used to be like a village. There were no cinema theatres, descent hotels and not many shops. The Kumaran Kundram used to be only a rock where we used to climb and spend our evening sometimes. There were only a few houses in Nehru Nagar and Hasthinapuram and beyond were not in existence. In the week ends we used to go to tent theatres in Radha Nagar and Chitlapakkam where for Rs.1/-, two movies will be shown starting from 9.00 p.m. During 1970's there were no T.V, Computer, Mobile phones etc. Hence the only entertainment was films; we used to have one movie screened every Friday in the quadrant between Birla Hostel and New Hostel. It used to be a 16 mm projector till 1974. Then during the silver jubilee year, the Institute has bought a 35 mm projector and presented to the hostel. One important thing to be noticed here is that the operation and maintenance of this projector was done only by Instrumentation students.

I was a Senior Scientific Officer-II in GTRE, Bangalore from 1977 to 1978. I have joined the department of Aeronautical Engineering in September 1978 as Associate Lecturer, from that time onwards, I was a teacher in MIT. During this period from 1978 to 2011, I have taken up additional responsibilities apart from teaching I was the first staff in-charge of the student's mess started in 1979, apart from the then Hostel Superintendent Prof.A.V.J.Fernandes. (till 1979 it was a contractor mess). I still remember my role as N.S.S. Officer during late 1980's (1985 – 1988). I have arranged a N.S.S. camp at a school in Kovalam which is next to Fisherman's cove (five star hotel) in Kovalam we have done N.S.S. activities like laying road in the school premises and educating the fisherman community in hygienic living and family planning. But some of my friends used to make fun saying that I have taken the N.S.S. students to a beach resort for a holiday. I also remember my role as Athenaeum Vice-President in late 1990' (1997-2000). During my period as Athenaeum Vice-President, the O.A.T. was constructed with Athenaeum funds and a donation of Rs.1.00 lakh by Mrs.Prema Srinivasan, the grand daughter of our founder Sri Rajam. Hence the O.A.T. was named after her father as Sri Ramaswamy O.A.T.

From 2000 onwards I was actively engaged in administrative work, as Executive Warden, MIT Hostels (2000 – 2004), Head of the Department, Aeronautical Engineering (2004 – 2007), Director, Centre for Aerospace Research (2007 – 2008) and Dean, MIT (2008 – 2011). It is my duty to inform you the small contributions made by me during this eleven years period.

*Believe and act as if it were impossible to fail.*



During my period as Executive Warden, the following contributions were made with the support of the then Dean, Dr.S.Renganathan:

- The present hostel office was built and a face lift to Executive Warden room was given with an air-conditioner, computer, new furniture etc.
- First time a separate ladies mess was started in the first floor of hostel office with the money from hostel maintenance grant.
- An R.O. Plant was installed in the hostel in 2001 itself, the only R.O. Plant functioning in the University at that time.
- Since mobile phones were not popular at that time, separate phone connections were given to each hostel for incoming calls and a telephone booth was established for the outgoing calls.
- A Xerox centre was established with account facilities for the first time.
- The co-operative store was in the lounge of a boys hostel where girls will not go and used to function only in the evening. This was shifted to a place near the hostel office and working hours increased to 8.00 a.m. to 6.00 p.m. once again account facilities were given for effective utilization of the facility.
- All hostels and the mess workers accommodation were provided with separate colour television.
- The mess was provided with water coolers (first time) Refrigerator, Deep freezer and new music systems.
- The mess workers were given uniforms, clothes, soap, oil and chapels to maintain hygiene in the mess.
- Shadow grass lawns were created in 2001 using the waste water from R.O. plant, in front of Hostel Office right side of V.Mess and in front of N.V.Mess which was there till 2009.

I took over as HOD of Aero in April 2004 and contributed significantly to the progress of the department.

- Two new computer labs were created for students (UG & PG)
- B.E. (Mechanical) part-time was started in the department
- Under TEQIP high tech equipments worth Rs.80 lakhs have been purchased and used by research scholars.
- As HOD, I presented the FIST-II proposal to DST and Rs.53 lakhs has been sanctioned to the Department.

*Our attitude toward life determines life's attitude towards us.*

- I was Principal Investigator for an AR&DB project and Co-ordinator for an AICTE project during this period.
- I was Co-ordinator for the 10 short-term courses conducted for HAL Engineers.
- As Chairman of Aeronautical Society of India, Chennai branch (2005 – 2007) I have conducted 3 National level seminars in the Department.

I have taken over charge as Dean, MIT in June 2008 and immediately started the process of giving a face-lift to Dean's Office. I always used to keep my room comfortable, starting from the Executive Warden's room, Aero HOD's room and Dean's room. Generally one needs a comfortable atmosphere for progress. A smiling face always succeeds. A very good example for this is our Vice-Chancellor Prof. P. Mannar Jawahar. For women this is still more true, right from the age of Cleopatra (A face that launched thousand ships).

I have been very fortunate to be the Dean of MIT, during the period of Prof. P. Mannar Jawahar as Vice-Chancellor. Under his leadership the Estate Office has completed a number of infrastructure facilities during this period.

- 14 class rooms and one conference hall was added to the Lecture Hall Complex.
- One floor over the Canteen was added
- Two floors over the Golden Jubilee Block was added.
- Girls Hostel with a capacity to accommodate 480 girls is completed
- Boys Hostel with a capacity to accommodate 480 boys is completed at MIT Annexe.
- A mess building was built at MIT Annexe.
- Two floors added over the N.V.Mess building.
- Graduation Day (2008) was conducted in MIT for the first time.
- The Diamond Jubilee was celebrated in a grand manner. The first batch alumni were felicitated. "ASYMPTOTE'09" a national level techfest was conducted for 3 days (9 – 11, January 2009) along with an open house exhibition called MITEX.
- Distinguished personalities like Dr.A.P.J.Abdul Kalam, former President of India, Dr. Mayilsamy Annadurai, Chandrayan Project Director, Education Minister Dr.K.Ponmudi visited the campus.
- A museum is established showing important personalities and events since the beginning of the Institute 1949.

I conclude with a famous quote, often quoted by our former Director Dr.S.Sathikh "you have to blow your own trumpet, otherwise somebody will blow it in the wrong direction"

I wish all the students a bright and prosperous career.

*The more we suffer, the more we don't love ourselves.*

## A LONELY EVENING IN THE BEACH

The sun was ready to set its foot on the distant ocean in the horizon. The silent sea transformed slowly in little shore waves. The aroma of sand, wet by waves raised an unknown emotion at the back of my brain, sending a chill down to my spine. The beach was bustling with different people spanning a kid playing with his ball to an old lady awkwardly making her stroll.

A male black dog which was aimlessly wandering, settled itself in a self-made pit. Sensing all these was only my physical self. Far from there were my thoughts, racing through some random pages of my life. Pages that made the person as I was then; pages that laid buried deep inside my mind; pages that I wished had never happened to me; pages but for which, my brain would have been empty deep inside, having only some peripheral thoughts.

Bringing me back to my senses was the black dog licking my toes. Crunching the biscuit I offered, the canine sat cuddling itself beside me. I could only guess what his thoughts would have been. May be, finding a bitch to satisfy his needs was one among them.

Gone were the days when I was openly happy. Projection of my life into the future showed no promising signs. The twinge on my feet after a while made me realize that I had walked quite a long distance along the shore. The fact that the dog had followed me all along hardly surprised me. It had been following me for the past few years. Moving my gaze from the dog, I started walking with additional momentum.

The dog came running behind me. I chose to ignore the poor creature. Had I given a second glance towards the dog, I would have noticed an attractive teenage girl passing right through the dog. I wanted to fool myself by thinking that the dog was real, though I knew that it wasn't. Why did I choose to ignore the character that I created in my mind? It was not because I knew that the dog was my brain's hallucination, but simply because I needed that creature to be around me always. I did not want to drive him away from my mind and from this world by letting him know that he was unreal.

A few minutes later when I turned back to check on him, I could see him evaporate into thin air, leaving me all alone in this crazy world. It was my mistake. I should've continued to avoid him. But did that mean I was no longer imagining stuff. Was I cured of my illness called "schizophrenia"? I was not sure. Seconds later, I got an answer for my question from a hooded figure which appeared right at the spot from where my dog had vanished - "Yes darling". The figure had the resemblance of my supposedly dead wife.

**S. Karthik**

20073017

*A man who doesn't trust himself can never really trust anyone else.*

**“If only...”**

If only,

One person in this whole world,  
Can make me feel wanted,  
Can make me feel loved,  
Can make me feel I'm needed...

If only,

One person can encourage me,  
To put my failures behind,  
To look forward to my success,  
To overcome my grief,  
To take sorrow in Life's stride...

If only,

One person could tell me,  
That I'm not without worth,  
That I'm worth living and loving,  
That I'm a good person...

If only,

One person would do this for me,  
I would bring the World to his feet!

**“A Prayer”**

As I walk along Life's way,  
Let my Prayer be today,  
If I can something helpful say,  
If I can serve in some way,  
If I can help someone in need,  
If I can do some good deed,  
If I can make somebody's day,  
If I can banish sorrow away,  
I'd like to do it, here and now,  
Help me God, show me how!

**“The LIFE is a Carnival”**

Life on a See-Saw  
Going Up and Down...  
Sometimes we smile,  
Sometimes we frown...  
Life on a Carousel  
Going Round and Round...  
Moving in a circle,  
Not knowing where we're bound...  
Life on a High-Swing  
Going Back and Forth...  
Hesitating to move on,  
Not knowing what we're worth...  
Life on a Roller-Coaster  
Zoom Down for a Fall...  
Back high in a flash,  
Stand on your feet, tall...  
Life is a Carnival  
Taking us for a Ride...  
Whether we win or lose,  
Isn't it we who decide?

**Harish Vishwanathan**

20082416

*Remember, there are no mistakes, only lessons.*

## A JOURNEY TOWARDS MEDITATION

You feel happy sometimes and sad sometimes. What looks beautiful to your eyes, as days go, doesn't appear like that anymore. Let me start with a simple story. Two men were arguing about a flag flapping in the wind. "It's the wind that is really moving," stated the first one. "No, it is the flag that is moving," contended the second. A master, who happened to be walking by, overheard the debate and interrupted them. "Neither the flag nor the wind is moving," he said, "It is MIND that moves." Mind wanders here and there and never stays on one object. Meditation is the art of silencing the mind. Now why do you want to silence the mind? The answer is when the mind is silent, concentration is increased and you experience peace in the midst of worldly turmoil. And when you achieve this, you will spread it and it keeps on going from person to person and the world will remain in peace. The great thing about meditation is that our philosophy/religious belief is not important. Meditation is about consciousness. Meditation is a journey of consciousness towards self. There are various kind of meditation techniques such as Sahaj Marg, Vipassana (insight), Samatha (tranquility), Sahaja Yoga, Transcendental, Alpha and lots more. The destination is ONE and the paths are different. The basic problem in the world today seems to be that there is no interest in meditation as such. It is partly the fault of people who preach and do propaganda for meditation. When you want to spread the practice of meditation and encourage people to take it up, you persuade them that there is some benefit in it. In order to do that the preachers suggest, 'Practice meditation. You will be completely free of all tension.' The moment that aspect enters the field of meditation, the whole practice is ruined. From there on you are not sitting completely relaxed, meditating, but you are tense, looking at the state of relaxation which the preacher suggested was your goal. Trying to reach out to it you become more tense. The moment you introduce a goal to meditation, it is gone. Let me give an example. Four monks decided to meditate silently without speaking for two weeks. By nightfall on the first day, the candle began to flicker and then went out. The first monk said, "Oh, no! The candle is out." The second monk said, "Aren't we not supposed to talk?" The third monk said, "Why must you two break the silence?". The fourth monk laughed and said, "Ha! I'm the only one who didn't speak." Each monk broke the silence for a different reason, each of which is a common stumbling block to meditation. The first monk became distracted by one element of the world (the candle) and so lost the sight of the rest. The second monk was more worried about the rules than the mediation itself. The third monk let his anger at the first two ruin him. And the final monk lost to his ego. Meditation is effective when practiced in reality rather than talking about theories. Many people like the idea of meditation, but feel they don't have enough time. When you really want to do something you can find time. There are many miles to travel in meditation. This article is just an introduction towards the journey of meditation. Hope this journey of reading doesn't end in sleep.

**K.K.Krithiga**  
# 20080763

*Love yourself, trust your choices, and everything is possible.*

## THINK IT OVER

Today we have higher buildings and wider highways, but shorter temperaments and narrower points of view.

- ❖ We spend more, but enjoy less.
- ❖ We have bigger houses, but smaller families.
- ❖ We have more compromises, but less time.
- ❖ We have more knowledge, but less judgement.
- ❖ We have more medicines, but less health.
- ❖ We have multiplied our possessions, but reduced our values.
- ❖ We talk much, we love only a little, and we hate too much.
- ❖ We reached the Moon and came back, but we find it troublesome to cross our own street and meet our neighbors.
- ❖ We have conquered the outer space, but not our inner space
- ❖ We have higher income, but less morals.
- ❖ These are times with more liberty, but less joy.
- ❖ We have much more food, but less nutrition.
- ❖ These are the days in which it takes two salaries for each home, but divorces increase.
- ❖ These are times of finer houses, but more broken homes.
- ❖ You do not keep anything for a special occasion, because every day that you live is a special occasion.
- ❖ Search for knowledge, read more, sit on your front porch and admire the view without paying attention to your needs
- ❖ Spend more time with your family and friends, eat your favorite foods, visit the places you love.
- ❖ Life is a chain of moments of enjoyment; not only about survival.
- ❖ Remove from your vocabulary phrases like "one of these days" and "someday".
- ❖ Let's write that letter we thought of writing "one of these days".
- ❖ Let's tell our families and friends how much we love them.
- ❖ Do not delay anything that adds laughter and joy to your life
- ❖ Every day, every hour, and every minute is special.
- ❖ And you don't know if it will be your last.

*Jeffrey Samuel.C*  
2010503016

*The most important thing about having goals is having one.*

## WE SALUTE THE ATOMS

Atoms, which are considered to be the smallest of anything in this vast universe, have proved to be the everlasting companion and close intimate of what is known as nuclear or atomic physics. These tiny particles, with a potential to produce immeasurable amount of energy, have struck the notions of the scientists who have given their life to the field of 'nuclear power'. In India, it all began with the legend, Dr.Homi.J.Bhabha's ideas. The motion of the atoms had developed the notions of this great scientist. Days have passed, months have passed and years have sailed away and has reached the centenary year of Dr. Bhabha and this field has developed to the peak due to the efforts of our the scientists.

Nuclear power is the culmination of the accumulation of not just a tin of energy but the formation of tones and tones of energy by the reactions in the reactors of fissions and fusions. The five-lettered word, "atoms" is a mirror image of the five-lettered word, "peace". The importance of the aspect "Atoms for Peace" is using nuclear techniques to address socio-economic needs. Nuclear techniques count the most, to enhance the lives of the people around the globe. The problem with Nuclear power is human's poor management of it. Mistakes are to be made systematic or otherwise can have very high impact on the environment, even in a global sense.

I heard the bitter cry of an atom in an atom bomb,

***"O my Lord, my distant Gods,  
Why am I born between the human swords?  
You gave me life, not without a cause,  
But to enrich the human vase;  
I am not true if I fail to sacrifice,  
And don't blame me if I annihilate the human coarse;  
As, I do it for the human cause;  
Now, tell me the reason for my cause."***

These queries remain a big doubt in the minds of humans. We all discuss this issue not without a purpose but to remove the contaminations in our mind about nuclear power and energy, which is going to dominate this world for the next fifty years or so. I always believe that nature is life and it is our human duty to preserve its serenity and peace by keeping the harmful thoughts aside and proceed to the future with harmony and global peace. I am not insensible to natural beauty as I'm a part of this supportive nature and as I always want to preserve eco-friendliness and promote joy and peaceful life to the living organisms.

***Obstacles are those frightful things you see when you take your eyes off your goals.***

Hearing the bitter cry of the atom, God replied,

***“O my little, tiny creature,  
I gave you mass and curvature;  
Don’t worry about your future,  
As you are born only to preserve the Mother Nature,  
I salute you for your long-time patience;  
And for your notion to sacrifice your portion,  
The entire universe now needs you for peace;  
So that your soul rests in peace.”***

The world now faces an unprecedented expansion in energy demand in the next 50 years. Fossil fuel, wind power and other forms of energy have depleted and now the world is in need of a new abundant form of energy. The replacement can be nothing else than nuclear energy. It can save countries from recession and can put a country in the path of development.

***“Let not the world lose its hope,  
With the depletion of all the fossils;  
As there is a way to replace,  
All that is needed.”***

If you ask a wise man to choose between a ton of uranium and hundred tons of coal, I’m sure that he’ll choose a ton of uranium because a ton of uranium produces much more energy than a million tons of coal or a million barrels of oil.

Nuclear energy says to Man,

***“I’m not here against natural beauty,  
Or born to destroy Nature’s purity,  
Trust me after touching your conscience;  
As I’m only a nuclear science,  
Let me tell you just one thing,  
Make me the future’s power king.”***

***Take a chance! All life is a chance. The man who goes the furthest is generally the one who is willing to do and dare.***



The very purpose of our birth in this universe is to do something worthwhile. We must dream about our future and convert them effectively in to thoughts, so that they're implemented into action as soon as possible. I hope that most of our nation's students will play a major role in the field of nuclear science. I hope that all nations of this world unite together to harness atoms as a tool of benefit to human kind and not as an instrument of self-destruction. **"I salute the atomic scientists for their service and support for the peaceful nation"**.

*"Let us make the world a symbol of peace,  
With our notions about atomic piece,  
And the motions of the gentle trees,  
So that we live like humming bees."*

By  
**H. Karthikeyan**  
E.C.E. – SS (I year)

### As it goes...

Come alone to the world,  
Warmth of the family shows who you are!  
Friends, relations share feelings!  
Fun, sad, painful feelings come and go!  
True for responsibilities.  
Strange, old people faces enter heart,  
Leaving memories!  
Helping minds, diverting minds enter life-  
Both living and non-living-  
Leaving their own trace in life.  
World seems to be different every day!  
The thing that takes us to next place?  
Inner sense of each being!  
Cannot predict what it will do!

By,  
**R.Agashnarayani.**  
20084804

படித்ததில் பிடித்தவை .....

**அம்மா**

சூடாக இருந்தால் மட்டுமே சாப்பிடுவார் தாத்தா  
இரண்டு பொரியல் இருந்தால் மட்டுமே சாப்பிடுவார் அப்பா  
உருளைக்கிழங்கு இருந்தால் தான் அதிகம் சாப்பிடுவான் தம்பி  
அப்பளத்தோடு சாப்பிட்டால் தான் அதிகம் பிடிக்கும் எனக்கு  
செய்தவை மீதமிருந்தால் மட்டும் அதிகம் சாப்பிடுவான் அம்மா!

- த. ரகுநாத்  
20073252



*The difference between the impossible and the possible lies in determination..*

## What would it be like?????

The page swims before your eyes. You suddenly feel drowsy. You just look into space absent-mindedly. Finding a calendar hanging there, you begin to count... One... two... three... Wait a minute; I'm counting the number of days I still have to struggle with my exams, giving up the pleasures of life. And then, it happens.... I suddenly slip into a kind of fantasy, call it science fantasy if you like, or even reverse science fantasy!!

What was it like when there were no computers, (and of course no endless books on computers and their junk)? No laptops. No computer games. You went out and played to your hearts content. No TV shows. You just chatted away your time with neighbors. Or maybe did something more useful in life like social work or learning some art or musical instrument. Have all these modern gadgets and wizards made our life more miserable than it ought to be? Of course there is no gain-saying in the fact that giant technological strides in Medical field have improved our quality of life. However it is to be understood that more technology has only contributed to more diseases. For instance, if people walked up and down their rooms to turn on and turn off the air conditioner, hey they'd be healthier! Much of today's electronics is making people great couch potatoes!! How would we fare without all this modern 'clutter'? Would it make life simpler or more complicated? How did our ancestors manage their lives without even 1/100<sup>th</sup> of all this modern technology? I guess this is something we all should think about, in order to make sure that technology doesn't ruin us but only make us better. But wait a minute; the highlight of it all is... if there weren't these advancements in technology happening so fast, I wouldn't be required to cram all this stuff on the eve of my exam, which would of course make this article quite out of place!!!

**Immanuel Raja**  
20073222

## Similarities between Abraham Lincoln and J.F.Kennedy:

- Lincoln assumed office in 1861 while J.F.Kennedy in 1961.
- Lincoln's secretary name is Kennedy and Kennedy's secretary name is Lincoln.
- Lincoln was shot at Ford Theatre while Kennedy was shot at Ford Car.
- Lincoln and Kennedy were shot dead at head and their wives accompanied them.
- Lincoln was succeeded by A.Johnson while Kennedy was succeeded by L.B.Johnson.

**Venkatesh .V**  
2009504054

*When looking for faults use a mirror, not a telescope.*

## என் தாய்

உதிரத்தை பாலாக்கி  
உச்சி முகந்து சீராட்டி  
பருவத்தை எய்தும்வரை  
பக்குவமாய் வளர்த்தாயே!

உள்ளத்தைச் சாறாக்கி  
அன்னத்தை நீண்ட  
அகிலத்தை நான்கண்டேன்  
அன்புதனில் என் தாயே!

நோயொன்று நான்கொண்டால்  
நொடிப்பொழுதும் உறங்காமல்  
என்னருகில் நீயிருந்து  
என்துன்பம் தீர்ப்பாயே!

தவறொன்று நான் செய்தால்  
தண்டித்துப் பார்த்ததில்லை  
இலைமறைக் காயாக  
உணர்த்திடுவாய் எந்நாளும்!

குழந்தைப் பருவம்முதல்  
இலந்தைப் பழத்தினைப்போல்  
இனிமைப் பயிற்றுவித்தாய்  
என்றும் அன்பினளாய்



உலகில் எத்தனையோ  
தெய்வம் இருந்திடலாம்  
எந்தன் சிந்தையில்  
என் தாய் ஒரு தெய்வம்!

அன்னையின் திருவடி  
வணங்குதல் அழகு  
அவளுக்குப் பாரினை  
அளிப்பதென் களவு!

ஒழுமுறை கருவறை  
தனிலெனைத் தாங்கி  
தலைமுறை தொடங்கிடத்  
தந்தாய் ஜனனம்!

வாழ்வின் விடுமுறை  
மரணம் - அதுவரை  
அன்னையே நின்னையே  
தொழுவேன் நிதமும்!

ஜோ. கணேஷ்பாபு  
I Year ECE(SS1) 2010504528

Kindness, a language deaf people can hear and blind can see.

## நெஞ்சில் பதிந்த பள்ளிப் பருவம்

வாழ்வின் பொருள் தர,  
 நடந்து செல்லும் சாலையின் வழி காட்ட,  
 வழியில் கரம் கோர்த்துத் துணை புரிய,  
 கண்ணீர், சுகம் இரண்டிலும் நிரம்ப,  
 நட்பாய் நீ வந்தாய்....  
 மாதங்கள் மடிந்தன,  
 வருடங்கள் விலகின,  
 காலங்கள் கரைந்தன.  
 இன்றோ,  
 துயரங்கள் சூழ்ந்தபோது,  
 தீரும்பிப் பார்க்கிறேன்,  
 தலைசாய்த்துக் கொள்ள உன் தோள்களில்லை.  
 வானத்தை நிமிர்ந்து பார்க்க,  
 விழிகளின் நுனியிலிருந்து வழிகிறது ஓர் சொட்டு நீர்  
 அதைத் துடைத்து விட உன் கரங்களில்லை.  
 இமைகளை இறுக்குகிறேன்,  
 கட்டுப்பாட்டை உடைத்து நொறுக்கிப் பெருகும் அழகை  
 நாவின் வார்த்தைகளை முட்டுகிறது,  
 முகம் புதைத்துக் கொள்ள உன் மடியும் இல்லை.  
 அன்றோ...  
 தனிமையென்றால் யாதென வினவிய நான்,  
 இன்றோ...  
 அதனுள்ளே மூழ்கிறேன், எதிர்நீச்சல் போடத் தெரியாமல்,  
 இந்த விடுதியின் நாற்சுவரில் ....

- த. பிரணவா  
 2010505034

## குழறல்

பன்னம் பார்த்த இடமெல்லாம்  
 படரும் நீரைப்போல  
 பாதை தெரிந்த தடமெல்லாம்  
 என் பாதங்கள் பதிகின்றன.  
 ஆனால் அது  
 படுகுழியை நோக்கியதன்றோ!



## நட்பு

அன்பில் என் அன்னையவள்  
 அரவணைப்பில் என் தந்தையவள்  
 பாசத்தில் என் சகோதரியவள்  
 குறும்பில் என் இளையவளவள்  
 என் எல்லா உறவாகவும்  
 இருக்கும் அவளோ  
 என் உறவல்ல!  
 என் நட்பு!

- ப. கவியரசி  
 20080760

## வைகாக்கூ....

உந்தன் சுவந்தலெனும்  
 ஊஞ்சலில் உறவாடும்  
 ஓர்நாள் குழந்தை  
 மணம் வீசும் மல்லிகை...

- முகம்மது மைதீன்  
 2009610110

*Of all the things you wear, your expression is the most important.*

## தேடல்

தொடர் தோல்விகளால்  
தொலைந்து போன  
இளைஞனே!

நீ மேற்கொள்ள வேண்டியது  
வெற்றியின் தேடல்!

காணும் காட்சியை  
கவிதையாய் புனைந்திட  
சொற்களைத் தேடுது  
கவிஞனின் தேடல்!

கன்னியவள் நெஞ்சத்தின்  
காதல் கதவுகளை  
திறக்கும் வழிகளில்  
காதலன் தேடல்!

அணுவைப் பிளக்கின்ற  
அண்டம் அளக்கின்ற  
அறிவியல் சிந்தனையில்  
அறிஞரின் தேடல்!

பற்றற்ற வாழ்வினை  
பலநாளும் தழுவியபின்  
படைத்தவன் அடிசேர  
ஞானியர் தேடல்!

தேடாமல் அவ்வுயிரும்  
இப்பூமியில் இல்லை  
தேடாமல் இருந்தால் - அது  
உயிரே இல்லை!

கடலை மலையூற்று  
தேடாமல் இருந்தால்  
கிடையாது ஆறு.

தேனீக்கள் பூக்களை  
தேடாமல் திரிந்தால்  
தேனேது நமக்கு?

வாடாமல் புவேதும்  
இருப்பதில்லை  
ஆடாமல் சுற்றும்  
இப்பூமியில்  
ஆண்டவன் படைத்த  
விதியே இது!

நீ வெற்றியைத் தேடும்  
அதே சமயம்  
வெற்றியும் உன்னைத்  
தேடிக் கொண்டிருக்கும்!

உன் பேச்சு நின்றாலும்  
வெற்றியைத் தேடு!  
உன் மூச்சுள்ள வரையிலும்  
வெற்றியைத் தேடு!

- V.P. ஜெகநாத்  
2010504022

Trust in what you love, continue to do it, and it will take you where you need to go.

## நண்பேண்டா...

நட்பைப் பற்றி எத்தனையோ விளக்கங்கள், விவாதங்கள், “நண்பர்களா? உறவினர்களா? என்று பல்வேறு பட்டிமன்றங்கள்; திருக்குறளில் தனி அதிகாரமே உண்டு! அப்படி அந்த நட்பில் என்னதான் உள்ளதென்று எனக்குத் தெரியவில்லை.

சந்திக்கும் மனிதர் அனைவரையும் ‘நண்பர்’ என்கிறோம்; அப்படியெனில் ‘நண்பனுக்குத்’ தனித்தகுதி ஏதும் கிடையாதா? பலருடன் பழகினேன்; அன்போடு அரவணைத்தேன்; ஏதோ ஒன்று குறைந்திருந்தது எப்போதும்! ‘நீ நல்ல பையன்’ என்றனர் பலரும்; எவரும் ‘நீ நல்ல நண்பன்’ எனவில்லை.

இப்படி நண்பனே இல்லாமல் கல்லூரியில் கால் வைத்தேன். முதல் வருடம், இரண்டாம் வருடம், ஏன் மூன்றாம் வருடமும் கூட ஓடிக்கொண்டிருந்தது. அப்போது நல்ல “நண்பன்” ஒருவன் கிடைத்த மகிழ்ச்சியில் மனம் துள்ளாட்டம் போட்டது; ஒன்றாக உணவு, ஒன்றாக வகுப்பு; ஒன்றாக தூக்கம்... எந்நேரமும் பொன்னேரமானது. “நாம் தனிமனிதன் இல்லை; கூட இன்னொருவர் இருக்கின்றான்” என்று மனம் பெருமைப்பட்டுக் கொண்டிருந்தது.

நாட்கள் நன்றாகவே நகர்ந்தன. இன்பங்களைப் பகிர்ந்து கொண்ட நான், அவன் மனக்கஷ்டங்களை ஏனோ ஏற்கத் தயங்கினேன்; அப்போது உண்மை புரிந்திருந்தது. முதலாம்

நட்பில் நான் அர்ப்பணித்த அளவிற்கு அவன் அர்ப்பணிக்கவில்லை; நான் ரசித்த அளவிற்கு அவன் ரசித்திருக்கவில்லை;

வெறும் ‘காரியக்காரனாக’ அவன் இருந்ததை நினைத்து மனம் குமுறி அழுதது; இவன் சரியான நண்பன் இல்லை என முடிவெடுத்து முழுவதுமாக விலகினேன்.

இப்படி மனம் மாறும் வேளையில், எனக்கிருக்கும் ஒரே ஆறுதல்-மெட்டைமாடி இரவுத் தனிமே! அன்றும் அப்படித்தான் அங்கிருந்தேன். காற்றில் மரங்கள் சிரித்துக் கொண்டிருந்தன.

“இயற்கையின் படைப்பில் அத்தனையும் இன்பமாக இருக்க, நான் மட்டும் ஏன் அழு வேண்டும்? என் முகம் மட்டும் ஏன் வாடியிருக்க வேண்டும்? எனக்கு இப்போதே ஒரு நண்பன் வேண்டும்!” - இப்படி எண்ணங்கள் அடுக்கப்பட்டன.

முன்பின் பழக்கமில்லை; பலமுறை பார்த்ததுண்டு; நிறைய பேருக்கு நண்பன் என்று கேள்விப்பட்டதுண்டு. மனம், அந்த இன்னொருவனை நண்பனாக்க வேண்டும் என்று முடிவெடுத்தது. அது எப்படி என் கைகளுக்கு தெரிந்ததோ... குறுஞ்செய்தி பறந்தது! கொஞ்ச நேரத்தில் அவனும் மொட்டைமாடியில்! இரவு நள்ளிரவானது. பேச்சுத் தொடர்ந்து கொண்டேயிருந்தது. அடுத்தநாள் கல்லூரி என்பதால் ஒரு மணிக்கு உறங்கப் போனோம்.

*Ideas won't work unless you do.*

அன்றிலிருந்து இன்றுவரை குறுஞ்செய்திகள் பறந்து கொண்டே இருக்கின்றன; அவன் புதிய உலகத்தை அறிமுகம் செய்வித்தான்; மனக்குழப்பங்களுக்கு தீர்வானான்.

“செட்டு சேர்ந்து சுத்தாத! யாரு கூப்பிட்டாலும் பைக்கல ஏறாத!” இது அம்மாவின் அறிவுரை. “பைக்கல ஏத்தி செம ஸ்பீடுல போய் உன்ன பயமுறுத்தனும்” - இது இவன்.

“தியேட்டர் பக்கம் போயிராத” - இது அப்பாவின் அறிவுரை. “எந்திரன் ரிலீஸ் அன்னிக்கு பார்க்கப் போறோம்” - இது இவன். சொன்னதோடல்லாமல் செய்தும் முடித்தான்.

என் குறைகளை மறைக்கச் செய்து, நிறைகளைக் காண்பித்தான்.

என் குழந்தைத்தனமான குறும்புகளில் குதூகலித்தான், தடுமாறும்போதும், தடம்மாறும் போதும் வழிகாட்டியானான்; எழுச்சிக்கு எப்போதும்

எரிபொருளானான்; அன்பால் அரவணைத்து உறவினன் ஆனான். இருபக்க நட்பாகவே இது மலர்ந்திருக்கிறது. இவனை அளித்த இயற்கைக்கு நன்றி!

நீண்ட தெருவில் நெடுந்தூர பயணம்....  
சுவரேறிக் குதித்து நள்ளிரவில் ஒரு தேநீர்  
காலையில் முதல் “Good Morning”  
இரவில் இறுதி “Good Night”  
அவ்வப்போது இருநிமிட சந்திப்பு ...  
கொண்டாடி விளையாடும் தினம் ஒரு கனவு..  
எத்தனையோ ஆசைகள் இன்னும் உண்டு!  
என்னுள் நிறைந்தவனே.. நீதான் என்  
நண்பேன்டா!

- ச. அருளப்பன்  
20073704

### தமிழர் திருநாள்

தமிழர் திருநாள்

பொங்கலில்

அனைவர் வீட்டு வாசலிலும்

எழுதியிருக்கிறது

‘Happy Pongal’

- த. ரகுநாத்  
20073252



படித்ததில் பிடித்தவை .....

### கூட்டுக்குடும்பம்

கூட்டுக்குடும்பம் பற்றி கட்டுரை எழுத வேண்டும் என்றாள் பேத்தி  
விக்கிபீடியாவில் தேடச்  
சொன்னார் அப்பா.  
கூகுளில் தேடச் சொன்னார் அம்மா.  
ஐந்து தங்கைகள்  
இரண்டு அண்ணன்களுடன்  
பிறந்த எண்ணிடம்  
கேட்கவேயில்லை என் பேத்தி!

- த. ரகுநாத்  
20073252

Never deprive someone of hope – it may be all they have.

## இளமை

குளிர்க்காய்ச்சல் வந்தபோதும் மழைச்சாரலில் நனையத் தூண்டுகிறாய்!  
கண்ணீர் வருகின்றபோதும் கள்ளச்சிரிப்பை வேண்டுகிறாய்!  
கண்கட்டும் தூக்கத்திலும் விண்முட்டும் மயக்கத்திலும் வகுப்பறை வாழ்க்கை!  
கனவிலேயே நீந்தினாலும் கண்டுகொள்ளாத கரும்பலகை!

தொலைதூரத்தில் குடும்பம் எனினும் தோள் சாய அருகில் நட்பு!  
பருவம் தந்த மாற்றத்தில் புருவம் ஏற்றி செய்யும் தப்பு!  
புதிது புதிதாய் தோன்றும் புத்தாடை மோகம்!  
கல்வி கரையில் புரண்டால் மட்டுமே நம்புது யுகம்!  
பளிச்சென்று முகங்களை பார்க்கும் போதெல்லாம் மனதில் பட்டாம்பூச்சி!  
நுனிநாக்கு ஆங்கிலம் இல்லையேல் அவை எட்டாக் காட்சி!

S. அருள்முருகன்  
20080714

## ஆதங்கம்

இனிய பரந்த பரந்திடாது கண்களும் கண்டிட...  
இனிய இசை கெட்டிடாது காதுகளும் கெட்டிட...  
இனிய இசை இசைத்திடாது கைகளும் கைகொட்டிட...  
இனிய ஏண்ணும் ஏண்ணிடாது மனதும் ஏதையோ ஏண்ணிட  
மறைக்காமல் எசும்பும் மனதும் ஏதையோ மறைத்திட...  
அழுதிடாது கண்களும் கண்டதும் களிப்பில் கலங்கிட...  
இதுவரை இயங்காது இதயங்கள் இயங்கிட  
பேசும் ஏன்ஜும் லாசும் அடியா வெஞ்சும் பேசுத்திட...  
கலத்தலள் தீயடி...

பிள்ளை...

ஏன்னை யோசிக்கத் தெரிந்த

தீ

ஏன்டி பேசிக்கவில்லை

முகம்மது மைதீன்  
2009610110

Things that are impossible just take longer.



## இக்கரை தழைக்குமா?

பிள்ளை நூட்டிலேயே அடிமைப்பட்டு கிடந்த நம்மை நாட்டுப்பற்று எனும் கொள்கையில் கரம்கோர்த்து இருநூறு ஆண்டுகள் அடிமை வாழ்விலிருந்து மீட்டுத்த தேசபக்தர்கள் வாழ்ந்த தேசம் இந்தியா. ஆனால் இன்றைய குறுகிய வாழ்வில் தேசிய உணர்வு என்பது மனம், மொழி, மெய் என யாவினும் வெற்றிடமாய் உள்ளது.

நாட்டுப்பற்று என்கிற உணர்வோட்டம், தேசியக்கொடிகு வந்தனம் செய்வதிலும், 'ஜனகண மன' என வாயசைப்பதிலும் முடிந்துவிடுகிறதா என்ன? விடுதலைப் போராட்டமும், உயிர் தியாகமும், நாடுகாக்கும் இராணுவமும், நாட்டுப் பற்றையும் மீறி பொது அறிவுக்கான நிகழ்வுகளாக மட்டும்தான் எண்ணப்படுகின்றன. இன்றைய படித்த இளைஞர்களிடையே நிறைந்திருக்கும் 'அயல்நாட்டு மோகம்' நாட்டுணர்வை திருடிவிட்டது. பற்றாக்குறைகள் உள்ள தன் சொந்தவீட்டில் உண்டு. இன்னொரு வீட்டின் குறைகள் களைய உழைத்துக் கொட்டினால், இது நியாயமா? உண்ட வீட்டிற்கு செய்யும் துரோகம் தானே. நம் தேவைகளுக்காய் தாய்நாட்டை அடகு வைத்துவிட்டு, வெளிநாட்டு சந்தையில் 'பணம்' என்ற ஒன்றிற்காக விலை போயுள்ளோம் என்று தானே அர்த்தம்.

நாகரீகப் பிழையும், விளம்பர வாழ்க்கையும் அயல்நாட்டு மோகம் தண்ணீர் ஊற்றி வளர்த்த களைச்செடிகளாய் சமூகத்தில் சமூகத்தில் வளர்ந்து நிற்கின்றன. புத்தி புகட்ட வேண்டிய பெரியோரும், பெற்றோரும் 'அயல்நாடு' எனும் கனவு மந்திரத்தை சிறுவயதிலேயே புகட்டி விடுகின்றனர்.

தன் நாட்டில் புகம்பம் வந்தாலும், தன் வீட்டில் தாய் இறந்தாலும் பரிதவிக்கும் அந்த ஆழ்மனதின் ஈரம், அயல்நாட்டு வேலை, பணம் என்ற காற்றில்

காய்ந்து போய்விட்டது. தாய்நாட்டு அன்பையும், உறவுகளையும் அறுத்துக் கொண்டு அவர்களோ 'வாய்ப்புகள் இல்லை' 'வேலைக்கேற்ப உத்யமில்லை' என்ற சாக்குகள் காட்டி தப்பிக்கின்றனர்.

இதோடு அல்லாமல், சொந்தநாட்டு பொருள்களை வாங்கி உலகுவிக்கும் 'சுதேசம்' என்ற உணர்வும் வற்றிப்போய், இந்திய இளைஞர்கள் அயல்நாட்டுப் பொருட்களைக் கண்டு வாய்பிளந்து வாங்கி குவிக்கின்றனர். இராணுவமோ நாட்டுப்பற்றுள்ள உள்ளங்களுக்கான அமைப்பாக இல்லாமல், பத்தாவது படித்த இளைஞர்களுக்குச் சம்பளம் தரும் வேலைவாய்ப்பாக மட்டுமே கருதப்படுகிறது. நாட்டை வடம் பிடித்து இழுக்கும் சிறந்த அரசியல் தலைமையைத் தேர்ந்தெடுக்கும் தேர்தல் திருவிழாவில் ஓட்டளிக்கவும் இளைஞர்கள் விரும்பவில்லை என்றால் நாட்டிற்காக அவர்கள் என்னதான் செய்து கொண்டிருக்கின்றனர்?

தாயின் நிழலில் வாழ்வது எவ்வளவு சுகமோ, தாய்நாட்டுச் சூழலில் வாழ்வதும் அவ்வளவு சுகமானது, உயர்வானது, உரிமையானது, பாதுகாப்பானது. உரிமையான இந்நாட்டில் உரிமைகளை விட்டுக்கொடுத்து நிலையற்ற வேலை, பணத்திற்காக இன்னொரு நாட்டில் கடமைப்பட்டு வாழலாமா? வருங்காலத்திலாவது நெஞ்சிலே 'நாட்டுப்பற்று எனும் உரம்சேர்த்து, வளங்கள் நிறைந்த இந்நாட்டில் வாய்ப்புகளை உருவாக்கி திறம்பட பயன்படுத்தி நாடும் வளர்ந்து, நாட்டையும் முன்னேற்றுவோம் என்று கருரை ஏற்றி அதை நிறைவேற்ற பாடுபடுவோம்.

- ச. தீவாகரன்

2010505007

If at first the idea is not absurd, then there is no hope for it.

ACTIVITIES



BALL BADMINTON



VOLLEY BALL



SHUTTLE



ATHLETICS



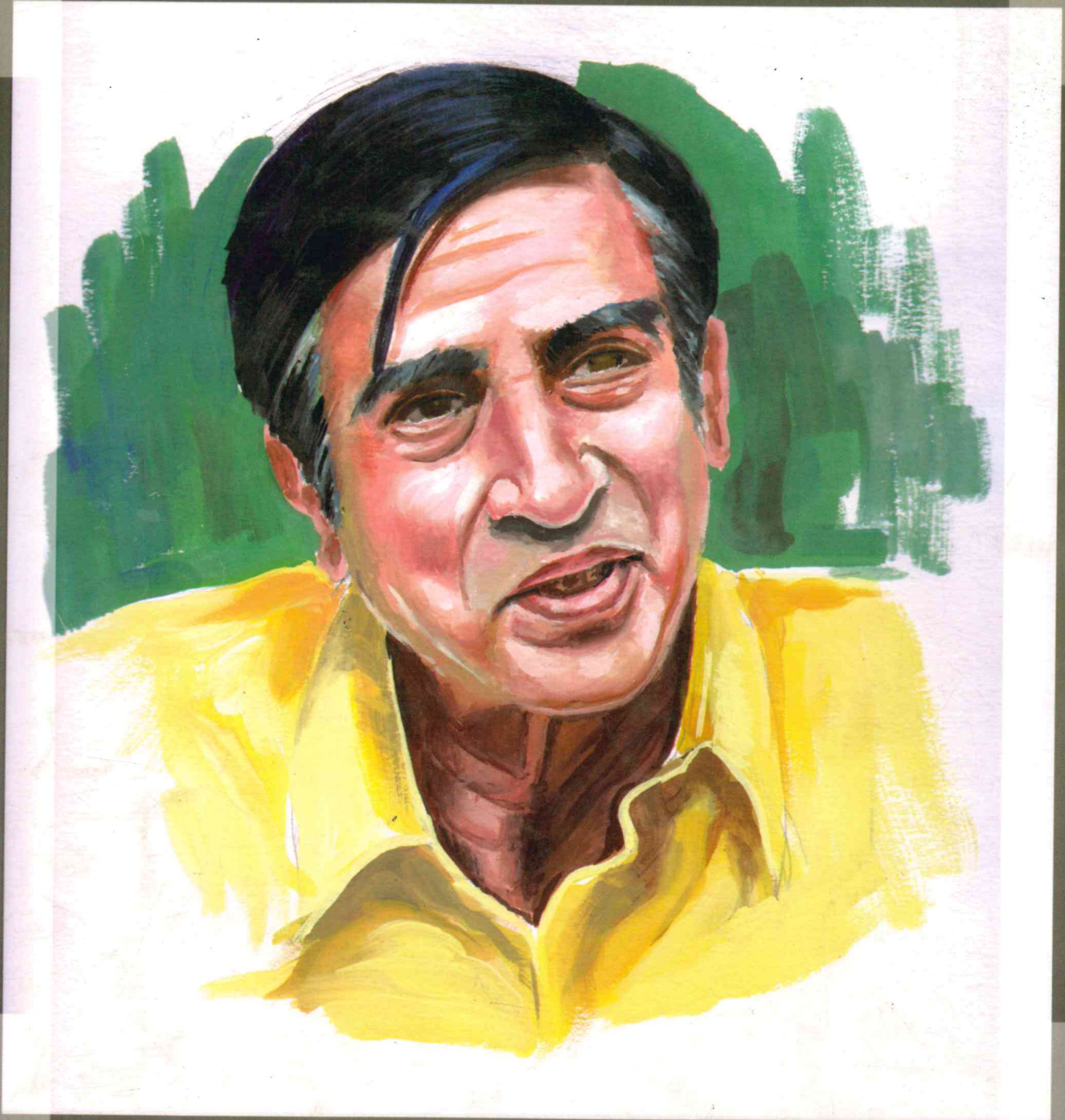
GIRLS TEAM



HOCKEY



KABADI TEAM



THE PERENNIAL LANTERN OF MIT, NOW SHOWERING THE  
RAYS OF GRACE FROM THE ETERNAL WORLD OF GLORY,

## MR. SUJATHA

LEFT HIS TRACE ON 27TH OF FEBRUARY. WE ARE  
PROUD TO REMEMBER THE SERVICE OF THE  
PROFESSIONARY'S VERSATILE MIND  
BY SERVING THE SOCIETY.