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Vizag as Techno Hub

Centre for Policy Studies, GVP :

Former Ambassador to the USA **Abid Hussain** envisioned the city's role as the new heart beat of science and technology. Vizag grew into a City of Destiny, true to the expectations of C R Reddy, the pioneer VC of AU, housing Port, Shipyard, Oil refinery and a Steel plant. It is for the University to take a lead and transform city



Dr. Swamy and Prof. Prasanna Kumar with Abid Hussain

into a Science and Technology hub, opined Abid Hussain. **Prof. Prasannakumar**, Director, Centre for policy studies recalled the services rendered by the former District Collector to VSP. **Dr.Swamy**, Chairman-Policy studies presided over the meeting. Several prominent persons including former cabinet secretary T R Prasad attended.

Vector '09



Prof. Allam Apparao, Vice Chancellor, JNTUK releasing the Souvenir

GVP COE :

The Department of Computer Science and Engineering of the GVP COE organised a **National Level Technical Students Symposium** on 16th, 17th, 18th of Sept 09. **Prof. Allam Apparao**, the vice Chancellor of the JNTU, Kakinada who graced the meet as Chief Guest observed that this symposium provides an

opportunity for the students to have an excellent exposure to the latest happenings in the field of technology. Dr. B. Swamy president of the GVP opined that the symposium facilitates students to exhibit their innovative talents and enable them to interact with the industrial professionals. Prof. NSVVSJ Gandhi, Principal thanked the Asassociation of Computer Intellects for thier active participation in these events. Nearly 300 hundred students presented papers and 800 hundred students participated in variou events from all over Andhra Pradesh.

Social Net Working for Women Empowerment

GVP PGC :

School of Management studies , GVP College for Degree and PG Courses under the aegis of Kasturba center for Women studies organized a workshop for girls students on capacity buildings " Towards a Confident Tomorrow" on 10th November 2009. Dr. Soumya Mishra I.P.S., D.I.G of Police, Visakhapatnam, the Chief Guest exhorted the girl students to prepare themselves to handle any situation boldly and develop social networking in their surroundings. Women should take a vow to work so that their education can fructify leading to empowerment. A healthy woman transforms herself and help transforming others especially the less privileged observed Ms. Sumidaa Devi IRS, Deputy Commissioner of Customs who graced the function as Guest of Honour. Dr. P. Rajaganapathi, Principal, GVP Degree College presided over the function.

Engineering College as Research Centre

GVP COE :

The Rayalaseema University of Kurnool recognized the GVP COE as Research Centre. All the 8 departments of Engineering besides 3 of basic sciences - Mathematics, Physics and Chemistry may now supervise the Research Scholars in their respective departments for the work leading to Ph.D and M.Phil with effect from 2009-2010. Twenty five of the faculty members from all its 11 departments are the approved Research guides.

LIBRARY AS FULCRUM OF ACADEMICS

The GVP COE entered into an MOU with the TIDAL DATA, of infrastructure in the Library. The agreement provides an investment of Rs.17.69 lacs for the installation of digital e-library server of which the TIDAL DATA shares Rs.11.84 lacs and GVP COE the rest i.e., Rs.5.85 lacs. The unified Library Server and 10 Intel Pentium Dual Core Systems are made ready. Through its campus LAN the library could get 9 lessons from NPTEL and 6 from IITS, besides Video lessons from the MIT and Stanford University of the US. Material for competitive examinations is available right now in e-journal archives.

BEST TEACHER AWARD

Dr. D.S. Murthy, Professor and HOD of ECE is adjudged the best teacher by the JNTU Kakindada. He is also selected for JNTUK Researcher award. **Dr. A. Bala Koteswara Rao**, Professor of Mechanical Engineering is another recipient of JNTUK Researcher Award.

CENTRE OF EXCELLENCE

The GVP COE is to sign an MOU with the IBM on 20th November. The Country Manager, Himanshu Goyal AIP inaugurates the IBM Centre of Excellence on the same day. The partnership agreement aims at enhancing the skill set of the faculty and students leading to (a) improvement in the Quality of technical education (b) increase the employability of the students (c) placing the institution in the leadership position.



Placement Training Programme

Academic Audit - Need of the Hour

GVP DC :

A National Seminar is held on 20th Sep on *The Impact of Quality Assessment in Higher Education* sponsored by NAAC. Chief Guest Prof. B. Satyanarayana, Vice Chancellor A.U. observed the infrastructure and its accessibility to the students is the need of the hour as it ignites zeal for research among students besides enhancing employable skills. The seminar is presided over by Dr. P. Rajaganapathi, Principal of the Institution.

GVP JC :

The National Service (NSS) unit of the Junior college organised a two day workshop on Life skills to its volunteers under the auspices of the Red Ribbon club. The Train the Trainers Programme focussed on community oriented sensitization on HIV/AIDS with thrust on the issue-social seclusion of the infected. The workshop also had a component on communication skills.

Chemistry Teachers Meet

All India Chemistry teachers associations organisers a conference at GVP on 14 November to help guide students partaking in Chemistry Olympiad. The association aims at generating creativity in Science among the children pursuing secondary education.

Editor's Note

At the Threshold of Ensuring Quality Education

Higher Education plays a pivotal role in ensuring knowledge driven global economy, the prime goal of the 21st Century. The academic institutions offering higher and technical education are to gear up to achieve global competitiveness and excellence. In the process they are not to miss societal requirements. As the former Vice Chancellor of Madras University observes synergy between teaching and learning on one hand and, research and scholarliness on the other constitute the prime requisites to lend quality to curricular component. Establishing alliances between Academia and Industry, Lab and Land, Classroom and Community pave the way to achieve perfection.

The Academic centres of Gayatri Vidya Parishad (GVP) have been making all out efforts in this direction. In their quest for excellence the GVP academic centres offering higher and professional education have gone in for **Quality Benchmark** processes with the NAAC and NBA before they sought for conferment of Autonomous status. This now demands not only accountability at all levels of its academic governance but also calls for innovative skills among its students and teachers.

The GVP College of Engineering placed non academia experts from outside the university system on its Board of Studies to bridge the gap between academic expertise and man power required by various stake holders. In the existing academic turbulence around the globe, professionalistic approaches blended with ethics, values and replicable best practices act as catalysts for quality enrichment. May the efforts of the GVP in this direction fructify.

Tete - a - tete

Why this News Magazine

A news magazine to cover events pertaining to various activities, diverse talents of the members of all academic centres of the GVP is long over due. The research the faculty pursues, the skills the students attain, the milestones an institution cross, the academic governance a centre experiments, the teaching-learning- evaluation an institution practises, above all the awards, the rewards the faculty and the students secure in a college did not reach the other academic centres of the GVP, save alone other bodies higher learning. It is also the desire of the management to invite and incorporate suggestions for quality enhancement in academics from the premier institutions around. **Gayatri** the news magazine is a modest attempt to bridge the gap in that direction.

GVP institutions catering to the academic needs of all sections in higher education, have been thriving hard to attain

the needed quality thus enhancing employability to its learners. It is in this direction attempts are on to update the curriculum, enrich the infrastructure, inviting competent faculty besides entering into Memoranda of Understanding with various industries. The faculty, students and all members associated with the GVP in this endeavour are its partners in progress. May I appeal to all to make the best use of this monthly news magazine to air all rational views and be benefited in turn.

— Prof. P. Soma Raju, Secretary, GVP

Generating Socially Conscious Leaders

That I am a part of the society, that I have a role to play, myself being an integral part of the community, should be realised by all in general and youth in particular. India is a young country in the sense 50% of its population are aged below 25 years. To start with interpersonal relations, decision making through discussions, social behaviour, timely decision, execution are to begin in the classroom. The faculty while practising all by themselves, try facilitating these group dynamics in the laboratories and classrooms. The advanced learner, should take care of the average learner. These need not be offered as a special training programme under a charming title Leadership / Soft skills. They should be taught as integral part of curricular instruction. Infact, the Science, Engineering and Technology should have these skills and value added programmes in the syllabus so as to impart them and help make the learners a way of life. True, it is not easy to inculcate these dynamics among the youth as it should begin with teachers as a role model. Lot of courage, truthfulness, helping attitude should be consciously practised. The renowned social worker and the Chieftain of the Bhagavatula Charitable Trust, a Doctorate in Metallurgical Science from Pennsylvanian State University Dr. Parameswara Rao made this observation and concluded his chat with the quote, the battle of Waterloo is fought in the play fields.

Gayatri Vidya Parishad Genesis Evolution

The Gayatri Vidya Parishad, GVP, is established in September, 1988 with eminent academicians and social workers as its members. Prof. B. Serveswara Rao, an Economist of erudition and former Vice Chancellor of Acharya Nagarjuna University is its founder President. Dr. B. Swamy, former V C, Professor of Andhra Medical College as President, Sri V. Seetharamaiah the leading Chartered Accountant and Sri ASN Prasad renowned Industrialist as Vice Presidents and Dr. P. Soma Raju, Prof. of Mathematics as Secretary are now at the helm of affairs. Genesis Evolution and other details of the GVP are in the next issue Editor

EVENTS THAT MATTER

Da Vinci Tower

An Architecture designed by time, shaped by life. The Dynamic Architecture an emerging innovation helps developing a four dimensional, digital building. This pre-fabricated 78 Floor skyscraper coming up in Dubai, UAE, becomes a reality shortly where the dweller can have breakfast facing the Sun rise and dinner viewing the sunset in an Ocean. In the process the man stays stoic but structure rotates 20 feet per minute. The architect claims the structure is cost effective and the device as time saving. The Da Vinci is to be powered by wind turbines and solar panels.

INSIGHTS

SUPER POWER OR SUPERIOR POWER ?

When human acts like a super human
He may turn into a hunted animal like Saddam
 When super power shuns superior reason
 And reach the end of imagination
When people submit to savagery
And lose respect for life
 Civilization and barbarianism are synonyms.
 Should India become a super power
Like the imperial Britain or arrogant America
Enslaving the hapless nations ?
 Let India grow strong sans aggression
 Let India show superior spirit of peace and nonviolence
Let nuclear nightmares subsume into
Sweet dreams of Ultimate peace.

— **Dr. J. Ravindranath**, GVP COE

TRYST WITH NATURE

Walking along the park,
I see a clump of trees,
With squirrels squeaking
birds chirping
And a swarm of
humming honeybees.
Chirping all the while,
The latest tunes of the day,
Softly and sweetly too,
Oh, so happy and gay !
And suddenly there
comes a bird,
Struggling in its motion,
A bird with one leg broken,
And one whitout any notion
And moving long I see,
Many a bird and creatutre,
Each distinct from the other,
Oh 'this tryst with Nature'.
— **Vivek Atmakuri**, I B.Tech ECE

COMMENTRY - CURRENT AFFAIRS

CAN HE ?? OR CAN'T HE ! ! ? ?

(An attempt to judge Mr. Obama's progress so far)

November 4th 2008, the day of true racial emancipation, Barack Hussein Obama wins the presidential elections and creates history as the first African-American to become the Pesident of the United States and by being the first ever "black" resident of the "white" house.

He is undoubtedly the most hyped president of any nation ever. He is an excellent orator. His famous tagline of hope "YES, WE CAN" inspired many including me and thus occurred to me the title for this article. But there is always a problem of growing expectations for him. The world now is like 'hey obama it's been quite a long time. What have you done so far ?'

Obama and Reforms :

He released a \$787 billion package to stimulate the country's economy. Though some say it was instrumental in saving America from a disastrous economic downfall it's effectiveness is being debated.

He showed commitment for conserving the nature by making efforts to use more of eco friendly fuels and reduction in consumption of fossils. He passed a bill to stop meting out harsh cruel hate punishments to terror suspects by ordering close down of Gitmo jail at Guantanamo Bay.

Barack Obama supports gay rights. About gays in military he feels "a soldier should have patriotism ,a sense of duty and willingness to serve and his sexual orientation is unimportant". On October 28th,2009 Obama signed federal gay rights legislation(against hate crimes on homosexuals). He says: "No one in America should ever be afraid to walk down the street holding the hands of the person they love".

He passed the health care bill even after missing his ambitious deadline for the same by a mile. It is viewed as a tool that can end health care cost bankrupting Americans. Though the health care is almost free for all the citizens the waiting list for consulting the doctor is expected to be high and also the tax to be paid is hiked.

Bush vs Obama :

Much of the hype and fan following for Mr. Obama is because of his vision, the hope of change he has given for "Bush sick America" and "Bush sick world". This can be stated as his foremost accomplishment. Bush cut down taxes, passed the 'no child left behind' education reform and pulled the nation together after 9/11 terror attacks in the first nine months of his office. Bush entered the white house with a budget surplus and peace. But on the contrary, Obama faced daunting challenges of economic slowdown and global hatred towards America on his entrance.

Foreign Relations :

He did quite a good job in making the US better liked around the world now. Obama says "I don't oppose all wars but I oppose dumb rash wars that cause hatred of the middle east towards the US." Opposing bush's sending army troops to Iraq. He said that he'd wage against ignorance, intolerance, corruption. But he is for rooting out evil Taliban forces out of Afghanistan as a part of fight against terrorism. He is most likely to send 30,000 more troops to Afghanistan next year. (The announcement is most likely to come out after consulting US's key allies.) Obama also granted aid for Pakistan to fight terror in it's country. He eased travel and money transfer restrictions to Cuba to repair US's tattered relationship with the Latin-American country. He is about to tour Asia later this November and is also about to meet our Prime Minister Mr. Singh. He is in the process of meeting all the major leaders in the world.

Obama and World Peace :

He won the 2009 Nobel peace prize. Though this is the most debated one, the committee says that the award is for his commitment to nuclear disarmament and call for a stronger global ties. He himself says he doesn't deserve it. He is accused of not doing anything towards world peace except sweet talks on international stages. I believe that the Nobel Peace Prize lacked its lustre when it failed to reward Mahatma Gandhi but decorated the terrorist leader Yaasir Arafat of Palestine with it. Let us hope that this award makes him more responsible and committed towards world peace.

The fact that the world should remember is that Obama is no God and can't walk on water. So he can't achieve many results within a short span. (9 months in office). Although there are many things to be checked in his to-do list (manifesto) he is in the process of doing them and undoubtedly he will turn out to be a great President by the end of his term and who knows may be there is one more term in reckoning for him. YES, HE CAN. Good luck Mr. Obama!!

— **Madhur Oruganti**, 3rd, B.Tech., IT

ACHIEVEMENTS

- ▶ The International Council for Diffraction Data (ICDD), Newton Square, Pennsylvania, USA has expressed interest to publish the X-ray diffraction data of a material (0.23Sm:PKN) from the research work of **Dr. P.Murali Krishna**, Asst. Professor of Physics,GVPCOE, in their primary reference (JCPDF) proceedings database file.
- ▶ **Dr.P.Murali Krishna**, Asst. Professor of Physics, GVPCOE, is to contribute 5 chapters to a research referral book to be published by NovaScience Inc,NewYork titled " Gadolinium: compound production and applications.

UPCOMING EVENTS

GVP COE :

- ▶ One day workshop on **Transportation Engineering** by Department of Civil Engineering in December, 2009.
- ▶ National level student seminar on **Advances in Civil Engineering** on 18th, 19th, December, 2009.
- ▶ **Alumni meet** of Civil Engineering students on 12th December.
- ▶ The Placement and Training Cell organizes a 3 day skill development program on **Basic Networking Skills** in association with IGIAT from 11th to 13th December, 2009.
- ▶ The P&T cell organizes skill development programme on ANSYS in coordination with dept. of Civil Engineering. Duration in total 60 hrs-Fee Rs.1500/-.
- ▶ An International conference on Recent Advances in Mahtematal Service - An Application (RAMSA-09) is being organized from 19th to 22nd, December at G.V.P.College of Engineering. More than 50 experts present topics of wide ranging interest.30 international participants from 10 countries are to present papers.

DISTINCTIONS

- ▶ **Mr.V.S.S.C.Venkaatesh** (2004-2008) of Civil Engineering is awarded gold medal by JNTU for being the topper with an aggregate of 83.7%.

VOX POPULI

Terrorism - A menace

Terrorism is an International phenomenon - Sabotage from within and a guerilla strike from outside is one dimension. In the name of self-defence state sponsored repression is another. If desperation among youth due to unemployment and underemployment appears to be one cause, politicians and leaders with criminal history, corruption at all levels looks another, Terrorism or extremism in any form is ugly.

— **P. Uma Susmitha**, MPC J1 - GVPJC

Indian Cinema

Though movies are a powerful influencing media, combining arts, science and technology, fusing fact and fiction, in the existing scenario they have an adverse impact on society. Violence and vulgarity being the hallmarks of the current cinema, vulnerable youth, swayed by emotions, influenced by inferior information, have been aping all ugly things ruining their lives and damaging the fabric of society. While producers are starved of creativity, censor stays in slumber.

— **Rama Pathro**, MEC J3 - GVPJC

AWARDS

GVP COE :

- ▶ **Dr. Manchinkanti Srinivas** is awarded Ph.D. in Civil Engineering by JNTU Kakinada for his doctoral thesis- *Test track studies on chemically stabilized expansives soil subgrades.*
- ▶ **Dr. D. Markandeya Raju** is awarded Ph.D. in Civil Engineering by JNTU Kakinada for his doctoral thesis *Performance of Simply Supported Pre-stressed Homogeneous Steel I-beam.*

GVPPG College :

- ▶ **Dr. A.V. Joga Rao**, Dept. of HRM is awarded Ph.D.
- ▶ **Dr. G. Surya Prakasha Rao**, Dept. of Economics is awarded Ph.D.
- ▶ **Dr. D.L. Deepak** of Dept. of HRM. is awarded Ph.D.
- ▶ **Dr. Sudesh Kumar** of Dept. of Management studies is awarded Ph.D.

RESEARCH

PROJECTS AND PUBLICATIONS

- ▶ GVP Degree and PG College is sanctioned 5 Minor Reserch Projects by the UGC, granted an amount of Rs. 5.72 lakhs encouraging research in Chemistry, Bio Chemistry, Computer Science and Electronics.
- ▶ Similarly the UGC also approved 9 major research projects for the departments of Management Studies, Economics, Computer Science, Zoology and Telugu with a grant of Rs 44.67 laks.
- ▶ Prof.C.Bhaskara Sharma Principal COE(W) and MSN Murthy of Department of Chemical Engg Published two research papers in reputed International Journals - The IUP Journal of Chemical Engineering (Vol.1-2009) and Chemical Engineering Journal (Vol.152-2009).

GVP PG COLLEGE

- ▶ **Dr.G.Surya Prakasa Rao**, Associate Professor, Economics published paper in International Journal on Agrarian Crisis in Andhra Pradesh.
- ▶ **Mr. N.V. Ramana Muthy**, Associate Professor, Computer Applications attended and presented a paper in International Conference held at Los Vegas, USA in July 2009.
- ▶ The PG College also received financial assistance from the AICTE undser MODROBS scheme to organize two cells - One The Industry, Institute Partnership and the other Enteprenuership Development, Prof P.Pinakapani and Dr. K.S. Bose are kept incharge of these respectively.

SEMINARS / WORKSHOPS

- ▶ A two day seminar on **Self Compacting Concrete** is conducted by Department of Civil Engineering in association with IIT, Madras on 17th, 18th, July 2009.
- ▶ A three day workshop on Sesmic Resistanant Design of High rise structures using Struds is organised by Department of Civil Engineering in association with M/s. Soft tech company of Pune from 9th, to 11th, Oct 2009.
- ▶ A one day workshop on Cost effective and Implementable solutions to ease congestion in streets of Visakhapatnam in coordination with the VUDA, GVMC, RTC and Police Departments of Visakhapatnam on 30th October 2009.

FACULTY CHANGES

- ▶ **Dr. A. Balakoteswara Rao**, Professor of Mechanical Engineering is on leave from 10th Novemeber to take up an assignment at Behrain Institute of Training, Behrain, as Senior Lecturer for two years.
- ▶ **Prof. U.M. Swamy**, a renowned Researcher, former Professor of Andhra University, joined as Professor in the Department of Mathematics, in November.

SPORTS ROUND UP

- ▶ **Ms. Praveen Chowdary. B.** of III CSE and **Ms M. Jayasree** of III EEE. represented Andhra Pradesh at the Sr. National Throwball Championships for women at Delhi (Sept '09)
- ▶ **Mr. M. Sri Krishna** of III I.T. is selected to represent JNTU Table Tennis(m) team at the All India South Zone Championship to holding December 2009.
- ▶ **Mr Ch. Avinash** of IV Civil Engg. represented JNTU Basketball (m) team held in October 2009.
- ▶ **Mr. E.V.K. Rajesh Yad** of IV Civil Engg represented JNTU Hockey (m) team. Championship held at Bangalore University in October 2009.
- ▶ **Ms. M. Jayasree** III EEE got selected to the JNTU Basketball (w) team. Championship dates to be announced shortly.
- ▶ **Mr K. Aravind**, Shuttle Badminton player is admitted into B.Tech Mech Engg course through sports quota. He is a Silver Medalist at the Jr. Nationals Shuttle Badminton Championship during the year 2008.
- ▶ **Mr. S.S.V. Jagannadha Rao**, Director Phy. Edn. attended a level one coaching Program in Basketball at L.N.C.P.E. (Sports Authority of India) Thiruvananthapuram in May - June for 45 days. He achieved distinction scoring 77% with a third rank in his discipline. The GVP COE sponsored his candidature to the programme.

Yo.... Ho.... Yours Youthly

LIVE-IN OR LIVE-ON ?? CHOOSE IT RIGHT

Ever imagined of the concept of a live in relationship?? Take a sneak peek into what it is actually about...

A boy loves a girl and the girl loves the boy. They decide to move in together. They might even have children and behave just as a normal couple does, but the only difference is that they have not tied the knot!!! It abolishes the hurdles laid by the society to spend quality time with your partner, the question of in-law problems never arises, fewer responsibilities, and you can always walk out if you find things are not shaping up the way you wanted them to.

Sounds interesting?? Read on...

'If Saif-Kareena, legendary actors like Kamal Hassan can do it, why not us?' seems to be a sane thought to many. Incited by the movies and increasing influence of the west, the current younger lot of the country, who are being more liberal in their thinking, started indulging in live-in relationships. Busier lifestyles, the thought of finding out how compatible each other are, before getting married and sometimes resistance towards the institution of marriage have sown in the seeds for this colourful concept. Thanks to the current economy which is providing numerous job facilities and increasing literacy, people have become more independent in thought and action, one of it choosing how to shape up and live their lives.

As the adage goes, 'All that glitters is not gold', live-in relations are not as easy as they sound to be in a conservative country like India, where even today, an unmarried couple going out, draws in absurd gazes and wide opened mouths. Live in relationships pose a dangerous threat to the integrity, eloquence and sanctity of the age old traditional system of Vivah. A live-in relationship, on a broader framework, lacks commitment and the sense of two souls being one, which is the underlying base of the institution of marriage. It is also unsafe to their off springs, who will not be subject to any law in case of personal grievances. Though a greater percent of live in's end up in marriage, a study shows that a good percent might as well end up in divorce compared to those couples who were not together before marriage.

Living-in is relatively new to the Indian sub continent, and has found its place in the society only in the 21st century. Steps around the sacred fire, bride walking down the aisle and signing on papers in the registrar's office, remain as epitomes of marriage, which stands tall as a concrete and binding institution, for bringing together two different people under the name of a relationship. Though the concept of live in relationships is gaining more popularity over the day, only time has the final word on how it would stay against the testing periods of time.

— Shyamili, 3rd B.Tech., IT

THE ANT AND GRASSHOPPER

An Old Story

The Ant works hard in the withering heat all summer building its house and laying up supplies for the winter. The Grasshopper thinks the Ant is a fool and laughs & dances & plays the summer away. Come winter, the Ant is warm and well fed. The Grasshopper has no food or shelter so he dies out in the cold.

Indian Version :

The Ant works hard in the withering heat all summer building its house and laying up supplies for the winter. The Grasshopper thinks the Ant's a fool and laughs & dances & plays the summer away. Come winter, the shivering Grasshopper calls a press conference and demands to know why the Ant should be allowed to be warm and well fed while others are cold and starving. NDTV, BBC, CNN show up to provide pictures of the shivering Grasshopper next to a video of the Ant in his comfortable home with a table filled with food. The World is stunned by the sharp contrast. How can this be that this poor Grasshopper is allowed to suffer so?

Arundhati Roy stages a demonstration in front of the Ant's house. Medha Patkar goes on a fast along with other Grasshoppers demanding that Grasshoppers be relocated to warmer climates during winter. Mayawati states this as 'injustice' done on Minorities. Amnesty International and Koffi Annan criticize the Indian Government for not upholding the fundamental rights of the Grasshopper. The Internet is flooded with online petitions seeking support to the Grasshopper (many promising Heaven and Everlasting Peace for prompt support as against the wrath of God for non-compliance). Opposition MPs stage a walkout. Left parties call for 'Bengal Bandh' in West Bengal and Kerala demanding a Judicial Enquiry.

CPM in Kerala immediately passes a law preventing Ants from working hard in the heat so as to bring about equality of poverty among Ants and Grasshoppers. Lalu Prasad allocates one free coach to Grasshoppers on all Indian Railway Trains, aptly named as the 'Grasshopper Rath'.

Finally, the Judicial Committee drafts the 'Prevention of Terrorism Against Grasshoppers Act' [POTAGA], with effect from the beginning of the winter. The Ant is fined for failing to comply with POTAGA and having nothing left to pay his retroactive taxes, it's home is confiscated by the Government and handed over to the Grasshopper in a ceremony covered by NDTV. Arundhati Roy calls it 'A Triumph of Justice'. CPM calls it the 'Revolutionary Resurgence of the Downtrodden' Koffi Annan invites the Grasshopper to address the UN General Assembly.

Many years later..... The Ant has since migrated to the US and set up a multi-billion dollar company in Silicon Valley, 100s of Grasshoppers still die of starvation despite reservation somewhere in India,AND

As a result of losing lot of hard working Ants and feeding the grasshoppers,....India is still a developing country...!!!

— Agastya, 3rd B.Tech., IT

Placements

Institution	Departments	No.	Organization	Location	Year Graduated
GVPCOE	Civil, Mech.	08	Simplex	Campus	2009
GVPCOE	CSE, IT	67	TCS	Campus	2009
GVPCOE	Other Engg.	60	TCS	Campus	2009
GVPCOE	Other Engg. (Appeared result awaited)	43	Indian Navy	Off Campus	2009
GVPCOE	Chemical	--	HBL Power System	Off Campus	2009
GVP Degree Col.	B.Sc.	06	Reddy Labs, Hyd.	Campus	2009

SCIENCE AND TECHNOLOGY

MALICIOUS SOFTWARE

Computer threats and crime encompass a broad range of potentially illegal activities the most important being " Malicious Software"- commonly known as "malware", a software inserted into an information system to cause harm to the system or other systems, or to subvert them for uses other than those intended by their owners. Malware can gain remote access to an information system, record and send data from that system to a third party without the user's permission or knowledge, conceal that the information system has been compromised, disable security measures, damage the information system, or otherwise affect the data and system integrity. Malware can be divided into two categories. Those that need a host program and those that are independent. The former are essentially fragments of programs that cannot exist independently of some actual application program, utility, or system program. Viruses, logic bombs and backdoors are examples. The latter are self-contained programs that can be scheduled and run by the operating system. Worms and zombie programs are examples. Different types of malicious programs are described based on their functionality as follows :

VIRUS : Attaches itself to a program and propagates copies of itself to other programs

WORM : Program that propagates copies of itself to other computers

LOGIC BOMB : Triggers action when condition occurs

TROJAN HORSE : Program that contains unexpected additional functionality

BACKDOOR (TRAPDOOR) : Program modification that allows unauthorized access to functionality

EXPLOITS : Code specific to a single vulnerability or set of vulnerabilities

DOWN LOADERS : Program that installs other items on a machine that is under attack. Usually, a downloader is sent through an e-mail.

AUTO ROOTER : Malicious hacker tools used to break into new machines remotely

KIT (VIRUS GENERATOR) : Set of tools for generating new viruses automatically

SPAMMER PROGRAMS : Used to send large volumes of unwanted email

FLOODERS : Used to attack networked computer systems with a large volume of traffic to carry out a denial of service attack (DoS).

KEY LOGGERS : Captures key strokes on compromised system.

ROOT KIT : Set of hacker tools used after attacker has broken into a computer system and gain root level access.

ZOMBIE : Program activated on an infected machine that is activated to launch attacks on other machines.

Overall characteristics of malware are not only the means by which information systems can be compromised, but also provides attackers convenience, ease of use, and automation necessary to conduct attacks on a previously inconceivable scale.

The most popularly known malware is Virus. Once a virus executes, it can perform any function, such as erasing files and programs. During its life time, a typical virus goes through the following four phases.

Dormant phase: The virus is idle .The virus will eventually be activated by some event, such as a date, the presence of another program or file, or the capacity of the disk exceeding some limit. Not all viruses have this stage.

PROPAGATION PHASE : It places an identical copy of itself into other programs or into certain systems are as on the disk. Each infected program will now contain a clone of the virus, which will itself enter a propagation phase.

TRIGGERING PHASE : Activated to perform intended function.

EXECUTION PHASE : The function is performed. The function maybe harmless such as a message on the screen or damaging such as the destruction of programs and data files. Virus acts towards specific to a particular operating system and to a specific hardware platform. Mainly viruses are designed to take the advantage of the details and weakness of a particular system.

The ideal solution to the threat of virus is prevention. Otherwise the next best approach is to detect the virus, identify the specific type of the virus and remove the infected program. If not possible discard the infected program and reload a clean back up version.

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