



DAMISETTY SRINIVASA NAIDU'S

DBS INSTITUTE OF TECHNOLOGY

NH-5, D.S. NAIDU NAGAR, MADURUPADU, KAVALI, S.P.S.R. NELLORE (D.T) - 524 203, A.P.
(Approved by AICTE, New Delhi, Affiliated to JNTUA, Anantapuramu)
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DBS TALK

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B.Tech, MBA
Correspondent

Dr. T. Venkateswara Rao,
M.Tech, Ph.D.,
Principal

Dr. K. V. Reddi,
M.Tech, Ph.D.,
Director

Sri G. Ramesh Babu,
MBA
Administrative officer

EAMCET CODE: **DSIT**Courses Offered:

- B.Tech - Civil - 60
- B.Tech - Mechanical- 60
- B.Tech - EEE - 60
- B.Tech - ECE - 120
- B.Tech - CSE - 60

Our Highlights

- 1) Prime Infrastructure
- 2) Learner-Centric teaching Methods
- 3) Leveraging Technologies and Tools
- 4) Students placement Mode
- 5) Research and innovation
- 6) Industry Partnership and Collaborations
- 7) Scholarships for merit students
- 8) Industry Oriented Projects
- 9) Exclusive coaching for GRE/TOFEL/GATE/IES.

Editorial Board:

Dr. T.V. Rao, Principal
Editor-in-Chief
Mr. N.V. Kishore -
Editor

"The Foundation Stones for True Engineers."

The 4th Foundation Day Celebration of DBS Institute of Technology (DBSIT) was held on the 14th Feb 2014. The occasion was graced by Minister of Endowments in the State Cabinet of Andhra Pradesh **Shri Chennamsetty Ramachandraiah** as the Chief Guest.

I am indeed delighted to participate in the foundation day celebration, of DBS Institute of Technology. My greetings to all of you. Dear friends, Look up, what



4th Foundation Day: Felicitation to the Chief Guest Shri C. Ramachandraiah, Minister of Endowment, AP.

do you see, the light, the electric bulbs. Immediately, our thoughts go to the inventor Thomas Alva Edison, for his unique contribution towards the invention of electric bulb and his electrical lighting system. When you hear the sound of aero plane going over your house, whom do you think of? Wright Brothers proved that man could fly of course at heavy risk and cost. Whom does the telephone remind you of? Of course, Alexander Graham Bell. India is fortunate, the world is fortunate to have had a millennium leader of 20th century, that is Father of the Nation "Mahatma Gandhi" who got us the freedom and also he became a great leader for South Africa's movement against apartheid. So far, we have studied those who walked into unexplored path and strived to be unique and are remembered for their contribution to the human kind. Inventions and discoveries have emanated from creative minds that have



Shri C. Ramachandraiah addressing the students
D.B. Suresh Babu, Secretary, DBSIT (left Side)



been constantly working and imagining the outcome in the mind. With imagining and constant effort, all the forces of the universe work for that inspired mind, thereby leading to inventions and discoveries. The question is: are you willing to become a unique personality. Let me share an experience. I have, so far, met 11 million youth in India and abroad, in a decades time. I learnt, **"every youth wants to be unique, that is, YOU! But the world all around you, is doing its best, day and night, to make you just "everybody else".** The challenge, my young friends, is that you have to fight the hardest battle, which any human being can ever imagine to fight; and never stop fighting until you arrive at your destined place, that is, a UNIQUE YOU! I am sure the Management and the faculty members of this institute will facilitate in preserving your **"Unique You"**. And they have to be unique too.

"Advances in Technological Developments"

DBS Institute of Technology organized DBS Ecstasy-2014, a 4th National Conference in a grand manner on 22nd February, 2014 the most distinguished District magistrate **Shri. N. Srikanth, I.A.S.**, S.P.S.R Nellore as the Chief Guest and **Prof. K.L. Narayana, S.V University, Tirupathi** as Guest of Honor.



The Guest of Honor addresses the contribution of Indians in the fields of Science and Technology. In

space technology India has made a mark which is second to none in the world. This was made possible due to sustained team efforts of Scientists and Technologists who are committed to the value system, handed over by our traditions and culture. He says that this workshop will focus research challenges and latest developments in the emerging field of many engineering applications.

The Chief Guest addressed the students to emulate great men of India who have brought name and fame for the country through their hard work, honesty and commitment. He advised the students to become entrepreneurs by exploiting their innate skills of innovation and creativity. They should appreciate the importance of team work in achieving success in life. He advised the Students use "Vote-Hakku" in a better way to elect a right person for better society. He also advised students to be humble, hardworking, innovative, creative, respect for age old Indian value system and concern for others.



DBS Ecstasy- 2014: Shri N.Srikanth, I.A.S.NLR, Correspondent and Principal lighting the lamp



Shri N.Srikanth, I.A.S Addressing the Students



Prizes distribution to the selected papers



**Felicitation to the Chief Guest
Shri. N. Srikanth, I.A.S, S.P.S.R Nellore**



**Felicitation to the Guest of Honour
Prof. K.L. Narayana, S.V Univeristy, Tirupathi.**

Recruitment Record for the Academic year: 2012-13

Training and Placement Cell is an integral part of our institution. The institute has provided the complete infrastructure for effective functioning of the cell. The cell is sensitized to function all through the year towards generating placement and training opportunities for the students. Training activities are organized throughout the year in an effort towards preparing the prospective students for the campus selection programmes.

Learner – Centric teaching Methods, Industry Partnership and collaborations are the major development vectors at DBS Institute of Technology to foster student excellence. Multi-tasking enthusiasm of students to break new grounds has made this wonderful achievement possible. Over the last academic year, the institute has maintained a hundred percent placements to the students. 95 of its student's secured cushy jobs in number of companies like Quadesoft Pvt. Ltd, Eureka Forbes, Hue clay Technologies, Andromeda, etc.,

S.No	Company	Selected Students
1	Precision Engineering	13
2	Andromeda	25
3	Eureka Forbes	13
4	Hueclay Technologies	05
5	India Healthcare Solutions Pvt. Ltd	11
6	Pilog India Pvt. Ltd	04
7	Quadesoft Pvt. Ltd	04
8	K7 Computing	10
9	Nagoba Switch Gear	10
Total		95

Selected Students in **Nagoba Switch Gear**Students Selected in **Hueclay Technologies**Students selected in **Eureka Forbes**

Academic Excellence: (2009-2013 Batch)



Ph.D.s Awarded:

1. Prof. Syed. Faizuddin, has been awarded Ph.D. in Mechanical Engineering by CAPITOL



UNIVERSITY, U.S.A on 19th June 2013, for his thesis entitled "Failure of Lap Joint in the Oil Tank Bottom Plate". Under the guidance of Prof. Alford Justin & Prof. George Haddock.

He is also an External verifier & Quality inspector for the Education system in oil and gas steam, of City and Guilds, London & India Skills Manipal University.

2. Mr. G. Ramamurthy, HOD, H&S, has been awarded Ph.D. in English literature by CMJ



University, Meghalaya in the month of April 2013, for his thesis entitled "Ruskin Bond of India; A True Son of the Soil". Under the guidance of Prof. K. Agarwal.

3. Dr. G. Ramamurthy, HOD, H&S, has been selected as member of UAE English Forum and has been awarded the membership by Prof. Mickjack, the director of Forum in International Conference at Nagpur.

Guest Lectures / Training Programs Arranged:

1. Dr.R.B.V.Subramanyam, Professor in NIT - Warangal has delivered a lecture on "Data Mining" for the Final Year C.S.E Students on 27.02.2013.
2. Mr. Shakir, a blind trainer Presented a Programme on "personality Development

Training program" to Third & Final Year Students.

3. Mr. V. Chandrasekhar Valmiki, corporate Trainer conducted a training program on "Motivation Skills-Personality Development" for I B.Tech students.

4. College conducted one Week Campus Recruitment Training Classes (CRT Class) to the Final Year Students in the college premises from 3rd March 2014 to 8th March 2014.

Workshops, Conferences attended/Papers Presented by Students:

1. Mr. B.Venugopal reddy, Mr. M.V.Krishna Mohan, Mr.B. Praveen Kumar & Mr. T. Komala Srinivas of Mech.Engg.. attended three day workshop on "Auto-Anatomy-Pinnacle 2014" at Anna University, Chennai, on 13th,14th & 15th March 2014.

2. Mr. G. Jagadeesh of Mech.Engg.. Presented a paper "Homogenies Charge Compression Ignition System" in a Technical Symposium at Sree Venkateswara College of Engineering, Nellore on 5th March 2014.

3. Mr. G. Jagadeesh, Mr. K. Murali, Mr. K. Satyanarayana & Mr. Y. Lakshman Kumar of Mech.Engg.. attended three day workshop on "Auto-Anatomy-Pinnacle 2014" at Anna University, Chennai, on 13th,14th & 15th March 2014.

4. Mr. P. Hareesh, Mr. K. Prasanna Kumar, Mr. D. Sai Kiran, Mr. M. Hari Babu, & Mr. Vinod Kumar of Mech.Engg.. attended international wide two day workshop on "Transformer Robotic-AARUSH-2013" at SRM University, Chennai, on 10th & 11th March 2013.

5. Mr. P. Suresh, Mr. A. Nagarjuna, Mr. D. Sai Kiran, & Mr. M. Bharath Kumar of Mech.Engg.. attended National wide workshop on "CFD-CRANKX" at SSN College of Engg., Chennai.

DBSIT Participation in Samaikyandra Agitation

DBS Institute of Technology formed an association and planned their agitation in protest of Central government decision to bifurcate the state of Andhra Pradesh. Sri. D. Sudheer Naidu, Correspondent, DBSIT, Nominated as convener for the Kavali rural area. The Teaching, Non-Teaching faculty and students actively participated in various protest programs including relay hunger strikes and rallies.



D.Sudheer Naidu, Correspondent, DBSIT (Centre)

Sport Activities:

1. A team of 11 students from our college has participated in JNTUA-Athletic Meet-2013 organized by Priyadarshini College of Engineering, Nellore during 25th Feb & 26th Feb, 2013. In this meet, five 1st prize, Three 2nd prizes and Three 3rd prizes were bagged by our students in all the 10 events conducted. And also they got a overall championship.



Winners of Our College in JNTUA- Athletic Meet- 2013

2. DBSIT, Conducted a sports day celebrations in the college premises on 4th Apr, 2013.

3. A team of 14 students from our college has participated in JNTUA-Intercollegiate Athletic Meet-2014 organized by Narayana Engineering College, Nellore during 15th -16th March, 2014. In this meet, Seven 1st prize, Three 2nd prizes and Four 3rd prizes were bagged by our students in all the 9 events conducted. And also they got overall championship.



D. Sudheer Naidu, Correspondent, DBSIT, giving the prizes to the Winners

N.S.S Activities:



Student Volunteer donating blood at Blood Donation Camp

1. A Blood Donation Camp was organized by our college NSS Unit in the college

Campus in association with Indian Red Cross Society, Nellore. In this camp about 80 members of student volunteers have donated their blood.

2. Free Eye Checkup Camp was organized by our college NSS Unit in the college



Eye Checkup Camp

Campus in association with Narayana Educational Society, Nellore. In this camp about 75 members were check up their eyes.

3. A Rally was conducted by our college in the Kavali rural to motivate the youth in the direction of importance of "Vote-Hakku"



National Voter's Day

4. A Plantation Programme was conducted by the college on the eve of "NSS Day". On this day 25 plants were planted in the college premises.



Plantation Program on NSS Day

5. A Awareness Programme was conducted in the college premises to the Students on "Anti-Ragging".



Awareness Programme on "Anti-Ragging"

Seminars, Conferences attended/Papers Presented by Faculty:

1. Mr. PavanKumar.C attended Complimentary Seminar on "MATLAB & Simulink for Engineering Education", Organized by MathWorks India Pvt.Ltd on 11th Feb 2014 at Tirupathi.
2. Mr. A.Venkareddy attended Complimentary Seminar on "MATLAB & Simulink for Engineering Education", Organized by MathWorks India Pvt.Ltd on 11th Feb 2014 at Tirupathi.
3. Dr.G.Ramamurthy Presented papers titled (i) "Language as a Tool of Power and Influence" in National Conference on English in the Classroom: The Science of Communication, at Vikrama Simhapuri University, Nellore on 23rd & 24th, March 2013. (ii) "Teaching and Learning English as a Second Language," in International Conference at Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur on 22nd to 23rd February 2013.

Publications in Journals by Faculty:

1. Dr. T.V. Rao, Principal Published Papers titled (i) "Sensitivity Analysis of heat recovery steam generator of AGE 6FA Gas turbine" in IJMET, Vol.5, Issue 2, pp.17-25, Feb 2014. (ii) "The Result of Hot Exhaust Gas Recirculation (EGR) on the Performance Emission Characteristics of Diesel Engine with Palm Oil Methyl Ester", in IJMPERD, Vol.4, Issue 1, pp.47-54, Feb 2014. (iii) "Experimental Investigation on Engine Performance of Diesel Engine Operating on Peanut Seed Oil Biodiesel Blends" in IJCET, Vol.3, pp.1429-1435, ISSN 2277- 4106, Oct 2013. (iv) "Performance and emission analysis of Pongamia, Jatropha and Neem Methyl Esters as Biofuel in a C.I. Engine, JMERR, Vol.2, pp.1429-1435, ISSN 2278- 0149, July 2013.
2. Mr. S. Naga Kishore Published papers titled (i) "Sensitivity Analysis of heat recovery steam generator of AGE 6FA Gas turbine" in IJMET, Vol.5, Issue 2, pp.17-25, Feb 2014. (ii) "The Result of Hot Exhaust Gas Recirculation (EGR) on the Performance Emission Characteristics of Diesel Engine with Palm Oil Methyl Ester", in IJMPERD, Vol.4, Issue 1, pp.47-54, Feb 2014.

3. Dr.G.Ramamurthy, Published an Article on "The Direct Method -Inductive Grammar,EFL Context" in International E-Journal on Teaching of English in Technical Education" vol-3, ISSN-2250-138X, Feb 2013.

Awards & Rewards:

Correspondent Honoured with "Asian Golden Star"

Shri. D. Sudheer Naidu, Correspondent received **Asian Golden Star** award from Economic Growth society of india, New Delhi for his Merit Excellence performance and outstanding contribution for the progress of the nation and world wide. Studnets, Staff and members of faculty expressed their compliments for the felicitation as well as the invaluable services rendered by and large to the society.



Dr. T.Venkateswara Rao, Principal received **Rastriya Vidya Saraswati Puraskar** award from International Institute of Management and Education, New Delhi for his academic excellence and Service. Sri D.Srinivasa Naidu, Chairman and other Management members of DBS Institute of Technology, congratulated the Principal on his achievement.



Dr. K.V. Reddi, Director received **Golden Educationist of India** award from National & International Compendium, New Delhi for his academic excellence and Service.



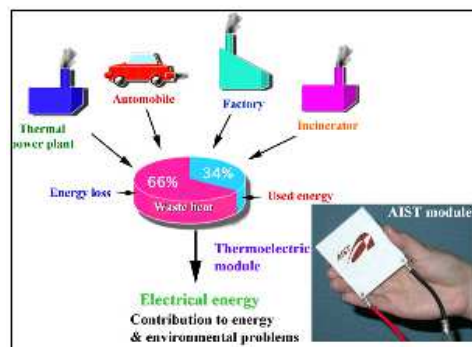
Studnets, Staff and Managemnt members expressed their compliments for the felicitation.

Technology Updates



Advanced Thermoelectric Materials for efficient Waste Heat Recovery:

Northwestern University Scientists have developed a thermoelectric material that is the best in the world at converting waste heat to electricity. This is very good news once you realize nearly two-thirds of energy input is lost as waste heat. The material could signify a paradigm shift. The inefficiency of current thermoelectric materials has limited their commercial use. Now, with a very environmentally stable material that is expected to convert 15 to 20 percent of waste heat to useful electricity, thermoelectric could see more widespread adoption by industry. Possible areas of application include the automobile industry, heavy manufacturing industries (such as glass and brick making, refineries, coal- and gas-fired power plants) and places where large combustion engines operate continuously (such as in large ships and tankers).



Waste heat temperatures in these areas can range from 400°C to 600°C, the sweet spot for thermoelectrics use. The new material, based on the common semiconductor lead telluride, is the most efficient thermoelectric material known. It exhibits a thermoelectric figure of merit (so-called "ZT") of 2.2, the highest reported to date.

Thermoelectrics is not the answer to all our energy problems, but it is an important part of the equation. Even before the Northwestern record-setting material, thermoelectric materials were starting to get better and being tested in more applications. The Mars rover Curiosity is powered by lead telluride thermoelectrics and BMW is testing thermoelectrics in its cars by harvesting heat from the exhaust system.

When Virtual Reality Goes Beyond Gaming:

The Oculus Rift is creeping closer to release, and now it has new competition from Sony's Project Morpheus. But as Rift inventor Palmer Luckey points out, video games are just the beginning for VR.

By the end of the year, or perhaps in 2015, the Oculus Rift virtual-reality headset will launch as the most hotly anticipated gaming peripheral in years. About 50,000 Rift headsets are in circulation among developers working on applications for the hardware, and the company just announced a new and improved dev kit at the Game Developers Conference. Meanwhile, Sony is promoting its new Morpheus virtual-reality headset, and there are other entries on the horizon. With all this buildup, VR will almost certainly be successful in the gaming market. But the coming revolution in gaming is also reviving broader interest in virtual reality. Rift programmers are working on applications for surgeons, architects, and educators. A 360-degree virtual-reality movie called *Zero Point* is now in the editing process. And the military is far ahead in its VR experiments.



Third Generation Biofuels From MicroAlgae:

Biofuel production from renewable sources is widely considered to be one of the most sustainable alternatives to petroleum sourced fuels and a viable means for environmental and economic sustainability. Microalgae are currently being promoted as an ideal third generation biofuel feedstock because of their rapid growth rate, CO₂ fixation ability and high production capacity of lipids; they also do not compete with food or feed crops, and can be produced on non-arable land. Microalgae have broad bioenergy potential as they can be used to produce liquid transportation and heating fuels, such as biodiesel and bioethanol.



Annual Day Excitement and Festivities

“Achieve goals by working hard with commitment and dedication...”

The Annual Day celebrations of DBS Institute of Technology took off to a colorful start on **6th April 2013**. The Chief Guest, **Prof. K. Lal Kishore, Hon'ble Vice-Chancellor, JNTUA, Anathapuramu** in his address advised the students that they should work hard with commitment and dedication to achieve their goals. Success will help them to lead a happy life as they enjoy the love and admiration of parents, teachers and the society at large. He felt that students



Getting Inspired: Prof. K. Lal Kishore, Hon'ble Vice-Chancellor, JNTUA, Anathapuramu addressing the Students

should have a perspective planning in shaping their careers. He also emphasized the need for students to improve their skills since they have to face the challenges of the modern knowledge-driven society. He also advised the students to excel in their studies and bring laurels to their parents and also to the institution.

“Read Epics and cultivate all the good Qualities therein to Succeed in life....”



Festive Time: Sri D. Srinivasa Naidu, Chairman, DBSIT addressing the gathering

Sri D. Srinivasa Naidu, Chairman, DBSIT, in his address recalled several anecdotes from

Mahabharatham to emphasize the need for self confidence in achieving success. He cited the example of Arjuna who expressed confidence to face the multitude of enemy and annihilate them in a split second as long as he has the support and blessings of Lord Krishna. His self confidence and faith in Lord Krishna made his job easy and he won the war against Kauravas. He advised the students to read epics and cultivate all the good qualities therein to succeed in life.

“Discipline and Discretion to choose virtue form vice are essential for inner harmony and peace...”

Sri D. Bala Suresh Babu, Secretary, DBSIT in his address, he encouraged the students to enjoy their work and explore all their surroundings with wild curiosity. Discipline and Discretion to choose



Festive Time: Sri D. Bala Suresh Babu, Secretary, DBSIT addressing the Students

good from bad are essential for inner harmony and peace, he opined. He also explained the importance of professionalism in engineering education.

“Modern job market demands multiple skills from the aspirants in getting employment...”



Festive Time: Dr. T.V.Rao, Principal, DBSIT Addressing the Students

Dr. T.V.Rao, Principal, DBSIT, in his address referred to the problems

in higher education and competition among the students in getting jobs. He felt that modern job market demands multiple skills from the aspirants in getting employment. He said that education is not merely for knowledge but for empowerment.

“Set your goals high, and don't stop till you get there...”

Sri D. Sudheer Naidu, Correspondent, DBSIT in his address, he encouraged the students to be



Sri D. Sudheer Naidu, Correspondent, DBSIT addressing the Students

clarity on goals, set in your mind and at any circumstances don't lose your hope until to reach it.



Festive Time: Vothe of thanks by Dr. K.V.Reddi, Director, DBSIT

The students, teachers and parents may follow the address of the chief guest which was inspiring, thought provoking and informative.



Felicitation to the Chief Guest Prof. K. Lal Kishore, Hon'ble Vice-Chancellor, JNTUA, Anathapuramu.