



SWARNAKSHARA

A Newsletter of



SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

• Accredited by NBA, AICTE, New Delhi • Accredited by NAAC with "A" Grade - 3.32/4.00 CGPA
• Recognised under 2(f) & 12(B) of UGC Act 1956 • Autonomous Institute Under JNTUK- KAKINADA • Approved by AICTE, New Delhi,
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The Souvenir of Techno Sct was being released by Dr. B. Prabhakar Rao, Vice - Chancellor, JNTU-K

Editorial Dear Readers,

Globalization and liberalization influenced the Indian higher education in a big way. Quality becomes an important access in higher education because it is intended to enable the students to live a life of dignity while contributing to the development of society. To deliver job-ready technical graduates to the industries, Swarnandhra College of Engineering and Technology got sanctioned the status of Autonomy during the AY 2014-15 by UGC, New Delhi, for a period of six years. The designed curriculum was implemented from the academic year 2014-15, which helps the students to get expertise through internship in industries. The college is imparting quality technical education with industry interface. For quality recognition, SCET was accredited by NAAC with 'A' (3.32/4.00 CGPA) from AY 2013 to 2018. Swarnandhra College of Engineering and Technology is imparting knowledge to the students by organizing the certification programmes and workshops like Microsoft, Oracle, Java, Auto Cad and Robotry Workshop. To enhance the organizational skills in the students, MBA Department started two Management Clubs namely Finance club and HR club. These clubs are actively managed and organized by the respective specialization MBA students on regular basis. These clubs help the students to achieve self-sufficiency in their field of study. ALECS (Activity based Language Evolution for Communication Skills) Club was launched with an objective to enhance 'Public speaking skills' and infuse competitive spirit in the students.

Ever growing energy demand and global warming are linked to each other in the modern world. The role and participation of science and engineering institutions is not satisfactory to inculcate the much-required entrepreneurial attitude in the country. To face the challenges and to focus on the technologies suited for decentralized applications by demonstrating their efficacies, to provide the information to develop a green environment such as solar power plants, treatment of waste wood gasification for energy production, etc. Swarnandhra in collaboration with EMMVEE Solar Pvt. Ltd., Bangalore conducted a one day National Conference on Green Energy Solutions on 8th Nov, 2014. Seventy delegates from various regions of Andhra Pradesh had actively participated in the Seminar.

In the challenging world of continuously evolving new technologies, innovations and changing economy, there is a need to equip and update oneself constantly. To inculcate the technical skills in the students and to enhance the organizing skills and other creative skills, Swarnandhra conducted TechnoSct 2K14, on 5th & 6th Dec, 2014. Around 1200 students from various colleges participated in this national level technical symposium. Cash prizes of worth more than one lakh were awarded to the winners in paper presentation, project exhibition, Technical quiz, business quiz etc.

Our students excelled in other states by participating in paper contest in a national level conference

organized by IET (UK) Kannayakumari Local Network at Nagarcoil, TamilNadu. Our students have expressed their societal responsibility through a small AD film that has been presented at GVVIT-Bhimavaram and won the first prize.

Swarnandhra College of Engineering and Technology strives for not only to impart quality education to the students but also continuous efforts are being made to prepare its students as responsible citizens of India. In this process, NTV programme, Manadesam, Manageetham, an exquisite event to invoke patriotic feeling among the students was conducted in the campus.

Communication skills of most of the students in engineering colleges are found to be ineffective; they are not getting selected in campus interviews conducted by various software companies. With a view of making technical students proficient in English, "SWARNTRICS", a special programme is launched and a special course is designed. The syllabus based on a new approach i.e. Task-Based Approach with 4 Modules, Twitter, Scribble, Precision and Verbose for developing communication skills exclusively for the Autonomous batch of first B. Tech. is designed and the same is being implemented.

Research project scheme is helpful in testing different types of bio-diesel blends on its performance and emission characteristics at different compression ratios for Post Graduate students and Research scholars. The Research project worth Rs. 15, 45,000/- was sanctioned to our college. Swarnandhra College of Engineering and Technology got sanctioned the two major research projects namely Indigenous development of Electro spinning for metal oxide Nano Fibers production sponsored by University Grants Commission UGC and Fabrication & Characterization of multilayer stacks of TiO₂/SiO₂ solar cell applications sponsored by UGC-DAE CSR. This college is not only trying to inculcate the research culture in the students with the help of research cell but also the sincere efforts are being made to focus on student centered classroom activities.

In the academic year 2014-15, twenty six companies conducted campus recruitment and sixty nine students got selected in different Multi-National Companies with high salary package. Besides this, many more students have enrolled for higher studies in abroad.

The goal of this college is to create an atmosphere of student eco-friendly campus. Immediate plan of action of this college is to improve the students' contribution to society by organizing social service programmes, conducted by ACHARNA, NEWCOLORS.

We express our profound gratitude to the management, the Principal and all the faculty members who have extended their support in releasing this issue of "Swarnakshara". We eagerly anticipate your suggestions and queries. Please do meet us at 'Swarnakshara' @ rediffmail.com.

- Mrs Zehrabi



VISION

To develop the student as software professionals having good logical thinking and analytical ability require the present trends in computing through adapting new technologies.

MISSION

- ❖ To lay to strong foundation of programming knowledge by concentrating on fundamental concepts of computer science and engineering.
- ❖ To develop flair for logical thinking and innovative methods to write algorithms for complex problems.
- ❖ To strength and expand collaboration and partnership with industry and other organizations.
- ❖ To serve the society through innovation for modern living.

New Trends

In Future We'll Search in Three Dimensions Search engines have come to define how most of us interact with digital information. But, if you think about it, they're still pretty limited. Unlike traditional search engines, 3D shapes uses a 3-D shape-match algorithm to sort through content based on size and dimension. You can upload your own 3-D model to find similar creations, or use the website's specialized text search function. Search results are sorted by file type, size, in the future, by license. We can visually filter our search by selecting the image that most resembles what we're looking for and clicking "Search with This Model."

Faculty Focus



Dr.Y.Vamsidhar, M.Tech., Ph.D. Head of the Department of CSE, Convener for "TechnoSct 2k14" was delivering a thought provoking speech to students.

- ❖ Microsoft CLOUD COMPETENCY CENTRE (CCC) was inaugurated on 4th Sep, 2014 by Department of Computer Science and Engineering.

Faculty Achievements

Research Work

Dr.M.N.Rao, prof., wrote a book on Free Open Source Software, published by Prentice hall India limited, was released in October, 2014. The book dealt with the latest languages like Python, Perl, Android, MySQL and PHP.

Workshops Attended

Mr.G.Sudhakar, Assoc.Prof, Mr K. Rajesh Kumar, Assoc.Prof and Mr.S.Uma Maheswara Rao, Asst.Prof attended a two day Faculty Empowerment Programme on "Understanding Self and developing an integrative learning approach for enhancing professional efficiency and effectiveness" conducted by Prof. Ravi Jeelakarra at Swarnandhra College of Engineering and Technology, Nov,2014.

Papers Presented

Dr.M.Nagabhushana Rao, Professor, published a paper entitled "An Empirical Architecture for Efficient Search Results in Mobile", in the proceedings of IJETT Vol-16, No-6 Oct-2014.

Mr.Godi Sudhakar, Assoc. Prof., Published a papers entitled "A Hybrid approach for Identification of Malicious Nodes in Network Traffic", in the proceeding of IJETT Vol :17 Issue :1,Nov-2014.

Mr. R.N.V.Jagan Mohan, Asst. Prof , Mr.K.Raja, Asst. Prof, and Mrs.K.V.Nageswari, Asst. Prof. published a paper entitled "Approximation of Similarity Frames Using Bayes Error Rate", in the proceedings of IASTER, Vol:2, Issue No:6, Nov-Dec, 2014, ISSN:2347-5099(Online).

Mr.P.Ravi Kiran, Assoc. Professor, published a paper entitled "Approach of Image Encryption and Compression for Secure Transmission" in the proceedings of IJETT - Vol: 17, issue- 1, Nov, 2014.

Mr.K.Rajesh Kumar, Assoc. Prof, Published a paper entitled "A Simple and Efficient Framework for Reversible Data Suppression in Images", in the Proceedings of IJETT, Nov, 2014 .

Mr.K.Rajesh Kumar, Assoc. Prof, "MBWPS For Strengthening Authentication Process in Wireless Local Area Networks", in the Proceedings of IJCEA, Vol : VIII, Issue-I , Nov, 2014.

Mr.M.Satyanarayana, Asst. Prof.published a paper entitled "A Prototype of Rekeying Method Using Recursive Map Theory", in the proceedings of IJETT Vol-17, No-5, Nov-2014.

Mr.N.Tulasi Raju, Asst. Prof.published a paper entitled "A Novel and Optimal Cooperative Communication in MANET", in the proceedings of IJETT, Vo: 16, No-6, Nov,2014.

Mrs.L.Divya, Assistant Professor, published a paper entitled "A LaGrange's Polynomial Based Secure Data Distribution between Data Owners", in the proceedings of IJETT Vol-16, issue- 6, Oct-2014.

Students' Focus

The following students are the toppers in their respective classes.



L.G.Devi 13A21A0548 I/II B.Tech 89.09 %	A.N.V.V.S.M. Sravya 12A21A0506 II/II B.Tech 82.06%,	G.R.Swetha 11A21A0529 IV/I B.Tech 81.20%,	K.V.Nageswari 12A21D5810 M.Tech 2012-14 85.54%	Ms.A.Jhansi 13A21D5801 M.Tech 2013-15 79.21%
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- ❖ 1000 students of Swarnandhra College of Engineering Technology have got through the Microsoft Office Specialist Examination.

The following Training Programmes are Conducted in the Department

Date of the Program	Program	Company	Beneficiary
21th to 23rd 2014	Soft Skills Training Programme	Coin	IV CSE A & B July
23rd to 25th Sept. 2014	"Cloud Computing" Workshop	Syed Areef & P.Sairam shekhar JKC	IV CSE A & B
26th to 28th Sep. 2014	DB2 Workshop	Jandhyala Harsha, IBM	III CSE A & B
17th to 20th OCT 2014	Soft Skills Training Programme	Madhusudan	III CSE A & B
12th to 17th Nov. 2014	Workshop on Core Java programming	D.Vasu, Precision Informatic	III CSE A & B
17th to 24th Nov 2014	Soft Skills Training Program	Corporate Learning	III CSE A & B
10th to 11th Dec 2014.	Android Work Shop	JKC	II CSE A & B

Placements

Fifteen students of IV B.Tech CSE got selected in various MNC companies like Polaris, Atos, Open text, Virtusa, NTT DATA and Hidden Brains Infotech Pvt. Ltd.

Certification Programmes

- ❖ Oracle Certification.
- ❖ Java Certification.
- ❖ Microsoft Certified Professional Members Exam.

The rise of Google, the rise of Facebook, the rise of Apple, I think, are proof that there is a place for computer science as something that solves problems that people face every day. - Eric Schmidt

**Vision:**

To evolve the students of Electronics and Communication with technical knowledge and professional competence, so as to meet the challenges with latest technologies for modern society through varied industry requirements.

Mission:

To ignite the young minds and groom as Electronics and Communication Engineers with competence in domain knowledge, professional ethics to take up new methodologies for reliable communication using digital technologies.

Modern Trends in Technology:

"GSLV Mark III Takes to the skies in Test Flight": The first experimental flight of the Geosynchronous Satellite Launch Vehicle (GSLV) Mark III registered success as it lifted off from the second launch pad at the Satish Dhawan Space Centre in Sriharikota, Taking India much closer to realising the dream of manned space flight. The GSLV Mark III moved a step closer to its first development flight with the functional C25 cryogenic stage. The vehicle, exactly five-and-a-half minutes after take-off, carried its payload-the 3,775-kg crew-module atmospheric re-entry experiment(CARE) - to the intended height of 126km.Two massive S-200 solid strap-on boosters, each carrying 207 tonnes of solid propellants, ignited at lift-off and separated 153.5 seconds later. The L110 liquid stage ignited 120 seconds after lift-off. This new launch vehicle performed very well and was a great success. It has an unmanned crew module to understand re-entry characteristics. That went off successfully and the crew module splashed as expected in the Bay Of Bengal. With the module gently landing in the Andaman sea, about 1,600km from Sriharikota, the GSLV Mk- III X / CARE mission concluded successfully.

Students' Focus:

Placements: The students of ECE stand not only consistent toppers for several years in the list of campus placement records but also are highly rated by employers of various industries in the private and public sectors. Many students of the outgoing batch of 2015 of ECE department got selected in various MNC's in Core and Software Fields and many are expected in upcoming drives. Twenty students got selected in Various Companies such as (In Rhythm - 1, Polaris - 6, Hidden Brains - 2, Tech Mahindra - 7, NTT Data - 1, Helios Telecom - 3).

G.Raghu Veer Teja	M.L.Durga	Leela Mounika.A
A.D.D.Supriya	N.Haritha	K.Avinash
A.S.P.Virinchi	B.N.Sudheer	T.Bhavya
B.N.Ranjith	P.Nagendra Babu	I.Sowjanya
L.Prathyusha	A.D.D.Supriya	B.N.Sai Sambhavi
P.Pavan Teja	N.V.N.Sai Eswar	G.Subba Rao
M.V.Kishon Kumar	Ch. Ramanjaneyulu	

ACADEMIC ACHIEVEMENTS OF STUDENTS:

- Harsha Divyasri Revu, the student of IV-B.Tech. secured second rank in Placement Ready Mock Test - I on Verbal Ability conducted by Bodh Bridge Educational Services (P) Ltd in Dec, 2014.
- The following students are toppers in the dept, in the academic results in their respective classes in University exams, in Nov, 2014. Devi Anusha.Gudala, J.N.Phanendra Kumar secured 88%, 83.73% respectively in IV-B.Tech, I-Semester exams. Ms.Satti.Lakshmi Bhavani, Ms.Nimala Padma Santhi secured 85.58%, 84.48% respectively in III-B.Tech, II-Semester exams.

STAFF Focus:

Paper Presentations in Conferences/Workshops:
The Faculty members of ECE published various contributory papers in International and National Conferences/Journals and also participated in various Workshops.

- A Paper on "Polling Based Network On Chip for Resource Sharing" was presented by Ms.B.Rosey Sharon, Mr.G.N.V.Ratna Kishor, Mr.V.Satya Kishore in an International Conference on Electrical, Electronics, Instrumentation and Computer Communication conducted by Karpagam College Of Engineering, Coimbatore, Tamil Nadu held during 12th-13th December, 2014.
- A Paper on "An Efficient Power Optimization Technique Design Using Verilog and Mentor Graphics Based On Multi Bit Flip Flops" was presented by Mr.E.Pavan Kumar, Mr.N.Srikanth in an International Conference on Electrical, Electronics, Instrumentation and Computer Communication conducted by Karpagam College Of Engineering, Coimbatore, Tamil Nadu held during 12th-13th December, 2014.
- A Paper on "State-Of-The-Art to Design a 64-Bit Binary Comparator Utilizing a Radix-2 Tree Structure" was presented by Mr.T.Vijay Sai, Mr.N.Srikanth, Mr.J.E.N.Abhilash in an International Conference on Electrical, Electronics, Instrumentation and Computer Communication conducted by Karpagam College Of Engineering, Coimbatore, Tamil Nadu held during 12th-13th December, 2014.
- A Paper on "A Novel Approach For Design of Wallace Tree Multiplier Architecture With Different Adders" was presented by Mr.S.Pavan Kumar, Mr.R.Murali Krishna, Ms.K.K.V.Girija in an International Conference on Electrical, Electronics, Instrumentation and Computer Communication conducted by Karpagam College Of Engineering, Coimbatore, Tamil Nadu held during 12th-13th December, 2014.
- A Paper on " Design and Analysis Of Low Power High Speed Area Efficient Multipliers Using Compressors On FPGA" was Published by Mr.Ch.Naga Srinivasa Rao, Mr.K.V.B.Chandra Sekhar Rao in an International Journal Of Science and Research (IJSR), ISSN(Online):2319-7064, Impact Factor (2012:3.358), Volume-3, Issue-11, November-2014.

Departmental Activities:

The department has organised various events on behalf of TechnoScet 2K14 a National Level Technical Symposium on 5th & 6th December-2014. The Objective Of the symposium is tapping the creative and innovative brain of budding engineers across the country .

Current Events in the Department :

- I.E.T.E Student Chapter Celebrations.
- AICTE & IETE Faculty Development Programmes.

Student's Voice :

I feel extremely proud and delighted to be a part of ECE department as the untiring efforts of our faculty results not only in the technical development of students but also help us to choose our own paths in life to serve the nation in a better way.

INUKONDA. SOWJANYA

-IV-ECE-B



Felicitation to Chief Guest
Dr.K.Chandrabhushan Rao
JNTUK,Vizianagaram

**VISION**

Our vision is to be a leader in educating students who are capable of taking a leadership affecting the broad aspects of the Electrical Engineering Discipline, industry and society.

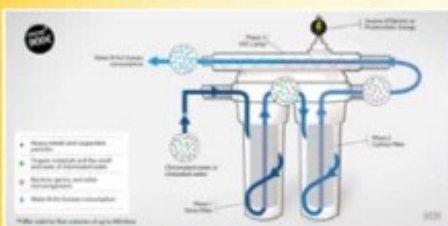
Further, the department envisions generating Knowledge and serving society through scientific research, thereby the development of the Electrical Engineering & Technology of India and the world.

MISSION

- with this vision, we are recruiting high caliber faculty and staff and continuously improving our curriculum and teaching methods.
- Besides, we are promoting the graduates to discover, disseminate, and apply Knowledge related to the broad aspect of Electrical Engineering through innovative pedagogic methods centered on Learning-to-Learn (L2L) Principles and various activities including education, scientific research, and social service so as to work skillfully and effectively in multidisciplinary terms, competent to engage in lifelong learning, and thus contribute to the progress of civilizing India and the world.

New Trends In Technology**Energy Efficient Water Purification:**

Water scarcity is a worsening ecological problem in many parts of the world due to competing evaporation or reverse osmosis systems. Emerging technologies offer the potential of waste water, potentially reducing energy consumption by 50% or more.



Techniques such as forward osmosis can additionally improve efficiency by utilizing low grade heat produced by solar thermal geo thermal installation demands from agriculture

cities and other human uses. Where freshwater systems are over used or exhausted, desalination from the sea offers near unlimited water but a considerable use of energy mostly from fossil fuels to drive.

Faculty Focus:**Publications:**

- Mr. V.MOORTHY, Assoc prof. published a paper entitled "investigation on the effectiveness of ABC Algorithm for Hydrothermal Energy Management Considering Emission Aspects" in an International Journal Of Energy Sector Management. Vol. 7, Issue 4 Dec, 2014.
- Mr. D.Nageswarao, published a paper entitled "Sliding Mode Control Of Cuk Converter Based Inverter Operating With Fixed Frequency" in an International journal IJRSAMS ,volume:3, issue-6, Nov, 2014
- K. Kalyan Sagar Asst. Prof. was elected as a "Council Member" in LET-UK Election, in Nov, 2014.
- Ms. N.DeviPriya, published a paper entitled " Three Phase RV-Multi Level Inverter Fed in an Induction Motor for PV Systems" in an international journal of Advanced and Innovative Research (2278-7844)/#150/volume: 3 issue -12.

NATIONAL CONFERENCE:

A National Conference On Green Energy Solutions has organized on 8th Nov 2014.

**TOPPERS LIST**

The Following Students Are Toppers In Their Respective Classes

G.APARNA (11A21A0229) IV/I B.TECH 91.33%	P.SIDHUJA (11A21A0274) IV/I B.TECH 85.2%	B.G PRASANNA (12A21A0210) II/II B.TECH 84.90%	M .SAI TEJA (13A25A0238) II/II B.TECH 82.54%

Students' Achievements:

- K. Pradeep Kumar , Jacob Bertrand Deva students of IV B. Tech Presented a Project on "Simple 100w Inverter" in Technoscet 2k14, in December, 2014.
- K.Chandra Sekhar, A.Krishnna Vamsi, P.Chaitnya Prasad, K.Santhosh Kumar, K.Santhosh Reddy, P.Hanuma Ram, K.Lakshmana Rao, K.Naveen Kumar, G.Surya Teja, P.Chandra Kala, G.Aparna, J.Swaroopa, K.Sireesha, K.Sandhya, B.Tripura, K.Annpurna Devi, Mrs.K.Mounika, D.Baby, Sharah, N.Jyotsna students of IV B.Tech attended a Workshop on "Exploring Enterpreneurship Opportunities in A.P". at Sri Vishnu Engineering College for Women during 23rd& 24th Dec, 2014.

Extra Curricular Activities:

Students in Cyclone relief event



Students with mentally retarded children

- Volunteers of Aacharna from EEE department Participated in "Hud Hud Cyclone Relief Event-Vizag" and distributed 450 fiber cement sheets to 30 families from two areas .
- Volunteers of Aacharna from EEE department (Ramu Naidu, Chandra Sekhar, Padma Rao, Karthik) have offered their services for oneday to Mentally Retarded Children in Narsapur on 3rd Dec.,2014.

STUDENT'S VOICE

I am delighted to be a part of EEE Dept. I am grateful to the faculty who guided me in all aspects.



DEPARTMENT OF INFORMATION TECHNOLOGY

NEW TRENDS

Internet of Things



The interconnection of uniquely identifiable entrenched within the existing internet infrastructure by Internet of Things. Usually, it is expected to offer advanced connectivity of devices, systems, and services that goes beyond machine-to-machine communication and covers a variety of protocols, domains, and applications. The interconnection of these embedded devices is expected to lead in automation in nearly all fields, while also enabling advanced applications like smart grids, Sensor Networks, and Mobile computing.

Faculty Focus

Mr.P.V.Naga Srinivas, Assoc.Prof, has registered for Ph.D in the Department of Computer Science and Engineering in Acharya Nagarjuna University, Nagarjuna Nagar, Guntur (DT),A.P in July, 2014.

Mr.G.Subhakar rao, Asst.Prof , Mr.J.N.S.S.Janardhan Naidu, Asst.Prof , Mr.D.Chitti Babu,Asst.Prof and Ms. A.Jhansi,Asst. prof. have attended a two day Faculty Empowerment Programme on "Understanding Self and developing an integrative learning approach for enhancing professional efficiency and effectiveness" conducted by Prof. Ravi Jeelakarra at Swarnandhra College of Engineering and Technology.

Students' Achievements

Four students of final year B.Tech attended a workshop on cloud computing in Bullaiah College , Vizag.

56 students of final year B.Tech have successfully completed their HTML - 5 Examination.

Toppers: IV B.Tech IT



M.S.S.Lakshmi
11A21A1225
76.40%



Y.S.Mounika
11A21A1249
75.47 %



C.Sai
11A21A103
73.20%



K.E.Rani
11A21A1230
73.20%

Training programmes

- Soft Skills Training Programme by Coin.
- Cloud Computing Workshop by Syed Areef & P.S.Shekhar, JKC.

Certification Programmes

- Oracle Certification Programme
- Java Certification Programme
- Microsoft Certified Professional Members Exam
- CISCO Networking Certification Programme

Placements

Six final year students of IV B.Tech got placed in various Multi National companies.

Feedback

Swarnandhra is a college, where we can empower our knowledge . I am grateful to the management , the HOD and my faculty for their academic support.
C.Sandeep - 11A21A1229



TRAINING CENTRE

Training Cell is playing a vital role by offering adequate training in communication skills, Soft skills and Life skills and imparting knowledge about the corporate world to the students of B.Tech., M.B.A.,M.C.A. and helping them to withstand in this competitive world of job market.

Faculty Achievement :

Publication : Smt. Kalavathi Tiwari, Asst.Prof. of English, has published a paper on the topic "Measuring the effect of Task-Based Language Teaching on Oralskills of the Students of Engineering College at a Rural Place in A.P.- A Case Study" in an International journal of English Language & Literature, IJELL, Volume2:8.

Swarntrics (Swarn Training In Communication Skills) : In consultation with Dr. S. Ramesh Babu, Secretary& Correspondent and Dr. M. Muralidhar Rao, Principial, Syllabus based on a new approach i.e. Task-Based Approach with 4 Modules, Twitter, Scribble, Precision and Verbose for developing communication skills exclusively for the Autonomous batch I year B.Tech. is designed by Smt. Kalavathi Tiwari, the Course Coordinator and the same is being implemented w.e.f.24th November,2014.

GRE - Verbal Reasoning : On behalf of ALECS CLUB (Activity-based Language Evolution for Communication Skills), 3rd &4th B.Tech. interested students are offered training in GRE-Verbal - Reasonong w.e.f 26th August 2014 by Smt Kalavathi Tiwari Asst.Prof.of English

District Level (East & West Godavari) Intercollege Competition: On 24th August 2014, Intercollegiate Competition in two events Group Discussion and Elocution was conducted, Smt Kalavathi Tiwari ,being the convener of the event. The winners were awarded with Cash Awards and all the participants were given Participation Certificate.

Swarn Trics Workshop: On behalf of ALECS Club a one day workshop on Communication Skills was organized on 10th September, 2014 for the students of Electrical and Electronics Engineering.

Important Activities in the Department

II, III, and IV B.Tech. Students were registered for B.Tech guru.

Training in Soft skills,Communication Skills and Aptitude by

- ◆ Corporate Learning (CRT) ◆ Jawahar Knowledge Centre(JKC) ◆ Globalina ◆ Coign ◆ Ways Open ◆ Aptitude Training by Mr. Sridhar
- ◆ AMCAT by Smt. Kalavathi Tiwari ◆ IT Model of Development
- ◆ Intensive Company-Based Training (Polaris, Tech.Mahind Mahindra, Atos etc.) ◆ AutoCad Certification

Forthcoming Event

A One Day Workshop (TRICS) in Communication Skills for III B.Tech. students.

Information technology and business are becoming inextricably interwoven. I don't think anybody can talk meaningfully about one without the talking about the other. - Bill Gates



DEPARTMENT OF MECHANICAL ENGINEERING



VISION

To foster prosperity through technological development by means of education, innovation and collaborative research.

MISSION

- ◆ To improve the departments infrastructure to facilitate research productivity and success.
- ◆ To integrate teaching and research for preservation and effective application of knowledge and skills.
- ◆ To strengthen and expand collaboration and partnerships with industry and other organizations.
- ◆ To provide consultancy to the neighborhood and inculcate a spirit of entrepreneurship.
- ◆ To serve society through innovation and excellence in teaching and research.

New Trends in Mechanical Engineering:

Aerogel: The Lightest material in the World



Aerogel is a very special type of foam which is 99.8% air. Aerogel is a low-density solid-state material derived from gel in which the liquid component of the gel has been replaced with gas. The result is an extremely low density solid with several remarkable properties, most notably its effectiveness as a thermal insulator. Aerogels are solid, but can be less dense than air. Despite their sparse molecular structure aerogels are strong.

Applications: Military aero plane and helicopter engines produce a lot of heat. Aerogel can also be used to stop heat from escaping from hot water pipes.

Students' Results:

The following students are academic toppers in University end examinations

IV B. Tech



R. Koteswar Rao
79.07%

III B. Tech



T. Vani
86.80%

II B. Tech



M. Nathaniyelu
84.73%



V. Satish Kumar
78.13%



Ch. Naveen Adithya
84.80%



P. Krupa Ravi Teja
83.39%

Faculty Achievements:

1. Mr. A. Gopichand, Assoc. Prof., has been awarded with a Doctor of Philosophy (Ph.D.) in the area of "Design and Analysis of Sandwich Structure for Floor Design" from Sri Venkateswara University (SVU), Tirupathi.



Faculty Publications:

- Prof. M. Muralidhar Rao and R. Sam Sukumar Assoc. Prof., Presented a paper entitled "Effect of Nano Particle Additives on Fuel Combustion in Automobiles: a Review in a National Conference on Current Trends in Engineering and Technology-2014 (NCCTET-2014), on 11th Oct, 2014, at Srinivasa Institute of Technology, Cheyyuru, Amalapuram,
- Dr. A. Gopichand Assoc. Professor and D. Bhanu Prakash, Assoc. Professor published a paper entitled "Numerical simulation and analysis of friction drilling process for aluminum alloy using ANSYS" in an Inter National Journal of Engineering Research and Technology (IJERT), Volume: 3, Issue: 12, Dec, 2014.
- Dr. A. Gopichand, Assoc. Professor, published a paper entitled "Modelling and Analysis of Side Grip Conveyor for Bottle Inspection Machine" in IPASJ in an International Journal of Mechanical Engineering (IJME), Volume :2, Issue -12, Dec ,2014.

- Dr. A. Gopichand, Assoc. Professor, published a paper entitled "Design and Analysis and Optimization of Heat Stacking Mechanism for Packing Machinery" in an International Journal of Innovative Science, Engineering and Technology (IJSET), Volume: 1, Issue- 10, Dec, 2014.
- Dr. A. Gopichand, Assoc. Professor, published a paper entitled " Joint parameter Estimation of Serial Manipulators Using Rigid Body Dynamics" in an International Journal of Mechanical Engineering and Robotics Research (IJMERR), Volume :3, Issue- 4, Oct, 2014.
- Dr. A. Gopichand, Assoc. Professor, published a paper entitled "Harmonic Response of a Rugged System Rack used in Transport Vehicle" in an International Journal of Engineering Research and Applications (IJERA), Volume: 4, Issue -12 (Part 3) Dec ,2014.
- D. Bhanu Prakash, Assoc. Professor, published a paper entitled " Stress and Thermal Analysis of Spot Weld on Dissimilar Materials" in an International Journal of Mechanical Engineering and Robotics Research (IJMERR), Volume: 4, Issue -1, December, 2014.
- D. Bhanu Prakash, Assoc. Professor, published a paper entitled "Optimization of Truck Chassis for Frequency Response" in an International Journal of Emerging Trends in Science and Technology (IJETST), Volume :1, Issue -10, Dec, 2014.
- D. Bhanu Prakash, Assoc. Professor, published a paper entitled "Thermal Analysis of Jaguar Core Unit" in an International Journal of Engineering Research and Technology (IJERT), Volume: 3, Issue -12, Dec, 2014.
- Dr. A. Gopichand, Assoc. Professor and B. Mahesh Krishna, Asst. Professor published a paper entitled "Static Structural and Fatigue analysis of Two Wheeler Shock Absorbers "in an International Journal of Emerging Trends in Science and Technology (IJETST).

Important events in the department:

Robotryst Workshop:

Robotryst , two days workshop, was conducted during 25th and 26th July, 2014.



Students at the workshop

Technoscet2k14: Technoscet 2K14, a National Level Technical Symposium was conducted during 5th and 6th Dec, 2014.



Students with different projects in TechnoScet 2K14

Extra - Curricular Activites

- K.N.V.D.M. Sandeep got two gold and one bronze medal in Black Belt category in AP state Karate Championship conducted at Chilakaluripet on 7th Sep, 2014.
- Ch. Suresh got one gold and one silver medals in Brown Belt category in AP state Karate Championship conducted at Chilakaluripet on 7th Sep, 2014.
- K.N.V.D.M. Sandeep got two gold medals in Black Belt category in Open National Karate Championship on 7th Nov, 2014.

Forth Coming events:

- NDT Training programme.
- AutoCAD workshop for IIIB.Tech students.

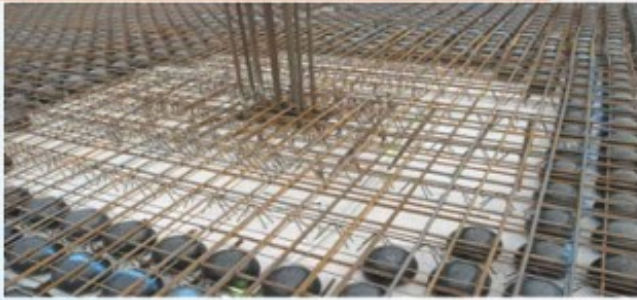
Student's Voice:

I am very glad to be a part of Swarnandhra College of Engineering and Technology. It provides me with immense opportunities to enter the technical world.





NEW TRENDS IN CIVIL ENGINEERING



Bubble deck slab is the slab in which some amount of the concrete is replaced by the plastic bubbles or ellipsoid which are made by the waste plastic material, which reduces the self-weight of the structure.

The composite slabs are made of BubbleDeck type slab elements with spherical gaps, poured in place on transversal and longitudinal directions. By introducing the gaps leads to a 30...50% lighter slab which reduces the loads on the columns, walls and foundations, and of course of the entire building. BubbleDeck slab elements are plates with ribs on two directions made of reinforced concrete or precast concrete with spherical shaped bubbles. These slab elements have a bottom and an upper concrete part connected with vertical ribs that go around the gaps.

Benefits of Bubble Deck Slab System:

- 20% concrete reduction in other components.
- The reduced weight of the slab will typical result in a change in design to longer spans and/or reduced deck thickness.
- It is also seismic friendly as it lowers the total weight of the building.

Faculty Achievements

- The Minor Research Project was sanctioned to Dr. K.M.GANESH, The HOD, C.E., in September, 2014 by U.G.C., SERO., Hyderabad.

STUDENTS' FOCUS

Academic Achievements:

- Our Dept. bagged the first Place (95.83 Pass %) of all the branches of SCET in the results of IV-B.Tech I Semester (Regular) Exams, Nov, 2014.

The following students are the toppers in their respective classes



G.SUBBA RAO
IV . B.TECH I SEM
96.0% (First)



M.METHUSHELA RAJ
IV . B.TECH I SEM
88.53 % (second)



S.MANI KRISHNA
II .BETCH II SEM
81.35%



S.M.S.NAVAKANTH
II .BETCH II SEM
78.55%

Extra-Curricular Activities



R.Nagendra Kumar & S. Mani Krishna participated in the NATIONAL OPEN KARATE DO CHAMPIONSHIP 2014 organized by SHITO RYU Kai International Karate Do Academy at B.R INDOOR STADIUM Guntur on 7th December ,2014.

Important Events In The Departement

- A Technical Workshop was conducted on Autocad from 12th to 18th Nov, 2014 by CPLR Softech Pvt.Ltd., Madras.
- A Seminar on Meet the Industry was conducted on 22nd Oct, 2014 by Sri V. Ravi Kiran, Manager H.R. , C.K. Birla Group, Orient Cement.



Workshop on AutoCAD



Seminar by Ravi Kiran

- A Seminar on Positive attitude for Personal Success was conducted by Dr. K. Pandu Ranga Rao, Group Head-HR & Admin. of IVRCL Limited.
- The Principal of Swarnandhra College was felicitated on Teachers' Day.
- The faculty of Civil dept. were felicitated by the Students on Teachers' Day.
- The Principal & the Chief guest were felicitated on Engineers Day on 15th Sep, 2014.



Celebration on Engineers' day



Celebration on Teachers' day

- In Technoscet 2k14 Dept. has conducted many events.



Mani Krishna Receiving Prize



Students at Project Exhibition

FORTH COMING EVENTS IN THE DEPARTMENT

- Workshop on Total station by Industrial Experts
- Guest lecture on New trends in Civil Engineering Structures
- One day work shop on Geo-Technical engineering lab

STUDENT'S VOICE

I feel proud to be a part of civil engineering department as I acquired good knowledge by the support of the Faculty and gained practical experience by the well equipped laboratories B.Gopal IV B.Tech





SCHOOL OF MANAGEMENT STUDIES

School of Management Studies is proactive with its vision to produce globally competitive, wise, virtuous entrepreneurs and professional managers. In this regard, MBA department is incessantly doing the best to excel its targets by organizing the programs like group discussions, seminars, guest lectures, role plays, personality development programmes, soft skills, case studies, industrial visits etc., besides regular curriculum.

RETAIL MANAGEMENT: Retail management is the application and efficient usage of retail stores and the application of various strategies to improve the retail stores.

STUDENTS' ACHIEVEMENTS

The following students are Toppers in University Exams



1. Y.Teja Priya Sree-79% 2. T.Darshitha-77%

PLACEMENTS

The college provided 100% placements to the MBA students of 2012-14 batch. Most of the students got more than two placements during the campus recruitments. The following students were selected from 2013-15 Batch for GO GREEN BOW Company

- 1.Y.Naresh
- 2.A.S.N.M.Sandeep
- 3.K.Suresh
- 4.G.D Durga Prasad
- 5.P.Trinadh
- 6.T.Sravan Kumar
- 7.E.Surendra



STUDENT VOICE

There is no exaggeration to say that Swarnandhra College of Engineering and Technology is a prestigious and outstanding among other institutions. The outcome of the college will stand at a top, only because of the sound Faculty and the facilities created by the management. The events and Programmes conducted in the campus made inmates to be a good citizens and competitors across the globe .



Ms.G Sindhuja MBA IV Sem

FACULTY PUBLICATIONS

*Dr. B.V.R.Naidu Professor & HOD, participated in one day National Seminar on Green Energy Solutions organised by Department of EEE Swarnandhra College of Engineering & Technology, Seetharamapuram on 8th Nov, 2014

*A research paper of Dr.S.Ramesh Babu, Secretary & Correspondent, Dr.M.Muralidhara Rao, Principal, Dr.V.Swaminadham, Professor & HOD (S&H), Dr. B.V.R.Naidu Professor & HOD, entitled Entrepreneurial attitude: An Empirical study on Graduating students of Rural Professional colleges in Central coastal districts of Andhra Pradesh was accepted for publication and presentation in the 2nd International conference on Next Generation Education for Entrepreneurial Engineers to be organized by SR Engineering College, Warangal.



FELICITATION TO Dr. BVR NAIDU

Felicitatation TO Dr.BVRNAIDU, Prof & HOD, on the eve of Teachers' day on 5th September, 2014 by the Management, Staff & Students of Surya College, Narsapur.

WORKSHOPS AND GUEST LECTURES ORGANISED

A One-day Enterpreneurship oreintaion programme (EOP) in association with National Small Industries Corporation (NSIC) Hyderabad, was organized on 9th June, 2014. The resource person for the program Dr. G. Sudarshan, from National Small Industries corporation , Hyderabad.

*A One-day seminar on "POSITIVE ATTITUDE FOR PERSONAL SUCCESS" was organized on 12th July, 2014. The Resources Person for the program was Dr. K. Panduranga Rao, Head ,HR &Administration, IVRCL, Hyderabad.



* A one-day workshop on ENETPRENUERSHIP in association with National Small Industries Corporation (NSIC) Hyderabad, was organized on 14th June, 2014. The resource person for the program me Mr. N. Madana Mohan Babu, Chief Manager, N S I C, Hyderabad.

* A one day University Institute Interaction Program was organized on 3rd September, 2014. Prof. V.Krishnamohan, Registrar, Dr B R Ambedkar University, Srikakulam, Prof. D.Suryachandra Rao, Registrar, Krishna University, Machilipatnam and Prof. A. Prasad, Andhra University are the resource persons for the program.



* A Guest Lecture by professor Rajesh .C. Jampala, was organized on "Realizing true potential in you" on 15th September, 2014.

*One-day workshop on "Financial Education and Mutual Funds under District Adoption Program in association with Birla Sun life Mutual Fund was organised on 17th September, 2014. The resource persons are Mr.R.Venkateshan, Vice-president and Mr.Ch.Naveen Kumar, Branch manager, Birla Sun-life Mutual Fund, Rajamundry.

STUDENTS' PARTICIPATION IN MANGEMENT MEETS

MBA-III semester students Ms.G.Sindhuja and Ms.Gayatri Tiwari participated in State Level Management meet organized by P.B. Siddardha Engineering College, Vijayawada and won 2nd prize in HR Element .



Students receiving Prize at Siddardha College

MBA III sem students Ms.G.Sindhuja, A. Sandeep & I.Rajesh Participated in VOLTECH HR CAUCAS-14 held on 11th October, 2014 at HYRATT REGENCY ,Annasalai,CHENNAI.



Student with resource person in Chennai TECHNOSCET2K14-ATwo day National Symposium

The college organised a two day National level Symposium during 5th and 6th of December, 2014. In that symposium the department of MBA conducted 4 events namely,

1. JNANA-BUSINESS Quiz
 2. DREAM WIZZ-BUSINESS PLAN
 3. MY VIEW -CASE PRESENTATION
 4. MARKET MAESTRO-YOUNG MANAGER
- Students from various colleges actively participated and made the event a grand success. Dr.P.G.Ramanujam and Dr.NGS Prasad are the judges for the events. The following are various pictures of that event .





NEW TRENDS FOR SOFTWARE DEVELOPMENT:

Apache Cloud Stack: Apache CloudStack is open source software designed to deploy and manage large networks of virtual machines, as a highly available, highly scalable Infrastructure as a Service (IaaS) cloud computing platform. CloudStack is used by a number of service providers to offer public cloud services, and by many companies to provide an on-premises (private) cloud offering, or as part of a hybrid cloud solution.



TechnoScet2k14
Orientation Programme for MCA Students 2014-15

PLACEMENTS

Mr. R. Harichandra Prasad was selected for Hidden Brain Infotech Pvt. Ltd
The following Students are Toppers in the Academic Year 2014-15



12A21F0011 87.29%
12A21F0002 81.86%
13A21F0009 77.85%
13A21F0002 77.57%
13A21F0019 77.57%

DEPARTMENT OF SCIENCE & HUMANITIES

Faculty Achievements:

- Dr. Swaminadham and Mr. N.P.S Acharyulu completed M.Tech Post Graduation Degree in Nanotechnology under the esteemed guidance of Dr. Dubey with distinction from JNTUK.
- Dr. Y. Phani, Mrs. N.N.V Sakuntala and Mr. K. V. Ramana participated in a National Level 5 day Faculty Development Programme on "Real Time Engineering Applications of Mathematics" REAM from 25th to 29th Oct, 2014 organized by Vishnu Engineering College for Women - Bhimavaram.
- Mr. K.V. Ramana and Mr. M. Ravindra Babu participated in a one day National Level Workshop on "Optimization Techniques and its Applications in Mathematics" on 13th Sept, 2014, organized by Gudlavalluru Engineering College- Gudlavalluru.
- Mr. K.V. Ramana participated in a National Seminar on "Recent Developments in Mathematics and its Applications" on 22nd and 23rd December 2014, organized by Dept of Mathematics, Nagarjuna University- Guntur.
- Dr. S. Dharaja Devi, Dr. Y. Phani, Mr. K.V. Ramana, Sri S. Venkateswarlu and Mr. Ch Peddi Raju attended a National Workshop on "Vedic Mathematics and Computerisation of the Sutras" during 24th to 27th July, 2014. at Andhra University, Visakhapatnam.

Faculty Publications

- Dr. Y. Phani Participated and Presented a paper entitled "On Semicircular Logistic Distribution" in an International Conference on Statistics & Information Technology for A Growing Nation held at Sri Venkateswara University, Tirupati, jointly conducted by SVU and Indian Statistical Institute (ISI) from 30th Nov to 2nd Dec, 2014.
- Dr. Y. Phani published a paper entitled "New circular model induced by inverse stereographic projection on double exponential model-application to birds migration data", in a Journal of Applied Mathematics, Statistics and Informatics (IJAMSI)(2014). Vol :10 No. 1, pp.5-17.
- Dr. Y. Phani published a paper entitled "Stereographic circular normal moment distribution" in an International Journal of Applied Mathematics and Sciences (IJAMS), Wire Ila Publications, vol.:1, NO3, Dec, 2014 - pp 65-72.
- Mrs. Zehrabi Presented a paper entitled "Teaching and training methods at tertiary level" in a National Seminar on 28th 29th Nov, 2014 at Sri Valagapudi Ramakrishna Memorial College, at Nagaram, Guntur.
- Mrs. Zehrabi Published a paper entitled "Teaching and training methods at tertiary level" in an International Journal of English Language and Literature and Translation Studies vol : 1, ISSN 2349-9451, page no-110

Programmes:

- The first autonomous batch for four year B.Tech course was inaugurated on sept 11th 2014. A One Day Orientation Programme on "LIFE SKILLS" was organised by Dr.K.Balaji Reddy garu, Principal SWEC.
- A One Day Meditation and Yoga Programme is organized with the profound guidance and instruction of Acharya C. Kailash garu on 17th Oct, 2014.
- Blood Group Sampling: Acharama a student voluntary organization, has conducted a one day programme of blood grouping activity in order to provide blood to the needy people.
- B.TECH GURU registration has been done for the first year students to access online materials and source through mail Id, B.Tech guru an Educational services company with the core objective of serving students in higher educational institutions by providing affordable, high quality knowledge based services to catalyze effective and efficient learning.
- The team of Globarena has conducted the Placement Training Program 4M (4 M skills development programs are developed with the vision of shifting from local job readiness to 21st century global life readiness) for the B.Tech I sem Autonomous students on sept 29th, 30th and 1st Oct, (First Session) 9th to 11th December (Second Session).
- Environmental Tours: The students of the B.Tech I sem (ECE, EEE) visited two companies as a part of environmental studies. 1. Delta Papers at Vendra -Bhimavaram. 2. Sarvarayavarya Sugars Coca Cola Bottling Unit - Vemagiri. on 1st and 5th December.



Faculty Focus

- Mr. A N L Kumar, Assoc. Professor & HOD has participated in a National Conference on "Recent Trends in Data Mining & Bioinformatics held on 15th July 2014, at GVIT Bhimavaram.
- Mr. RNDSS Kiran Asst. Prof. has presented a paper on "Mean Interleaved Round Robin Algorithm: A Novel CPU Scheduling Algorithm for Time Sharing Systems" at FICTA-14 in an International Conference, Bhubaneswar held on Dec 14th & 15th, 2014.

Students' Achievements

- All the students of II year MCA have completed Microsoft Technology Associate - Database Administration Certification Programme.
- Md. Reshma, the student of 3rd MCA, presented a paper on "Latest Trends of Cloud Computing in Health Care" in Techno Scet, on 5th, 6th Dec, 2014.
- Y. Chandu Priya, the student of 3rd MCA presented a paper on "The Role of Cloud Computing in Education" in Techno Scet, on 5th, 6th Dec, 2014.

Student Voice:

I feel privilege to say that Swarnandhra is an organization that extracts the inherent talents from the students and motivates them to put forth their passions and deeds.
- P Srirama Apparao

ACADEMIC TOPPERS IN I B.TECH, II SEM UNIVERSITY EXAMINATIONS-2014

13A21A0548 89.09%	13A21A0543 88.36%	13A21A0327 88.24%	13A21A0544 88.24%	13A21A0351 86.42%	13A21A0351 86.30%
13A21A0308 85.94%	13A21A0385 84.73%	13A21A0593 84.36%	13A21A0517 83.52%	13A21A0131 83.15%	13A21A04D8 82.79%
13A21A0514 82.55%	13A21A0460 82.30%	13A21A0535 82.06%	13A21A04A6 81.94%	13A21A0572 81.82%	13A21A0105 81.70%
13A21A0139 81.45%	13A21A0547 81.21%	13A21A03B2 80.85%	13A21A0343 80.48%	13A21A0206 80.36%	13A21A04A4 80.12%

Plantation:

Rose plantation programme was initiated at the lawn of decennial block with a view to establish eco friendly nature among the technocrats of swarnandhra.



Idols of God Vinayaka Goddess Saraswathi were consecrated by Dr. S.Ramesh Babu garu, in ground Floor at Decennial Block.

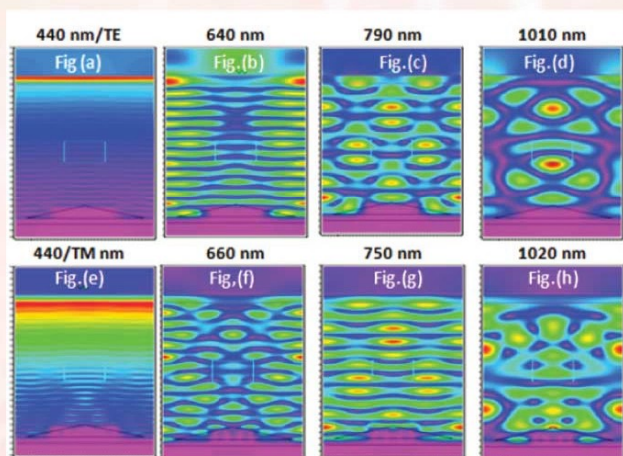


DEPARTMENT OF NANOTECHNOLOGY (ADVANCED RESEARCH LABORATORY FOR NANOMATERIALS & DEVICES)

Plasmonic solar cells are the type of third generation solar cells which uses of scattering from metal nanoparticles excited at their localized surface plasmon resonance. A noble metal nanoparticle based solar cells exhibit a strong absorption and scattering cross-section due to the collective oscillation of free electrons called localized surface plasmon resonance. The resonance wavelengths are sensitive to the size, shape and surrounding medium of the nanoparticle. Currently, plasmonic solar cell is a thrust area of research which generates electricity sustained by plasmons. With conventional solar cells, there is insufficient absorption of light due to thick layer used which is a serious problem and hence, light trapping mechanism is needed to enhance the efficiency of solar cells. In this scenario, plasmonic solar cells are proven to be having improved absorption due to scattering of light using metal nanoparticles excited at their surface plasmonic resonance. Moreover, scattering of the light by metal nanoparticles are important in order to utilize the incident light rather than trapping by absorption. These solar cells allow light to be absorbed more directly without the need of thick additional layer as comparison to thin-film solar cells. Plasmonic solar cells belong to thin film solar cell technology with their thickness 1-2 micron. For these solar cells, other than silicon substrates can be used which are cheaper such as glass, plastic and stainless. In spite of conventional application of solar cells, these would be useful for space exploration vehicles due to reduced weight and great potential to drive down the cost of solar power.

Currently, we have focused our research on Plasmonic Solar Cells. Figure 1 shows electric field profile using Rigorous coupled-wave analysis (RCWA) method for both TE and TM polarizations.

At wavelength 440 nm (fig.a) the maximum electric field is concentrated within ARC layer due to short wavelength of light and hence, absorption is lighter in active region. In addition there is no



significant role of metal bottom grating at shorter wavelength. At wavelength 640 nm (fig.b) an enhanced absorption in the silicon region can be observed whereas it is dominant near to metal grating. Typical fabry-perot resonances could be seen in the active region. A mixed electric field profile of fabry-perot resonances scattering light from metal grating can be seen (fig.c) at wavelength 790 nm. The enhancement in absorption has been attributed to the effect of metal grating. Further, Bloch mode like diffraction (fig.d) with enhanced pattern can be observed. In case of TM polarization,

enhanced localized surface plasmon or plasmon surface can be seen. At 440 nm (fig.e) field underneath ARC can be seen which is further extended to bottom region of solar cell. However, at 660 nm (fig.f) enhanced absorption of light can be seen in the active region. Field profile at 750 nm (fig.g) shows fabry-perot resonances with electric field. Fig.(h) show resonances of diffraction pattern along with field concentrated to metal grating tip which is attributed to the localized plasmon.

During this semester, we have got sanctioned two research project sponsored by UGC-DAE and UGC-Hyderabad. We have published three research papers, one in Nanoscale Research Letters (springer), one in AIP Advances (American Institute of Physics) and one in Material Science journal.

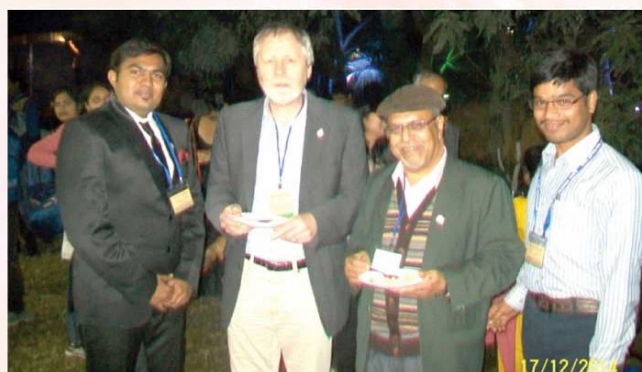
Mr. S. Saravanan has presented two papers in conferences:

1. "Design and Analysis of thin film silicon solar cells using FDTD method" in an International Conference on Nanomaterials & Technologies (CNT-2014) conducted during 17th-18th, Oct. 2014 which was organized by Vardhaman College of Engineering, Hyderabad, Teelanganana



Mr.S.Saravana was presenting a paper in an International Conference on Nanomaterials & Technologies (CNT-2014), Hyderabad.

2. "Design and analysis of thin film based silicon solar cells for efficient light trapping" in an International conference on Opto-electronics and applied optics 2014 (IEM OPTRONIX-2014) conducted during 17th, 18th, Dec. 2014 was organized by Institute of Engineering & Management (IEM), Kolkata, West Bengal. Further these papers are to be published in Procedia Materials Science(Elsevier) and Springer proceedings in physics.



Mr.S.Saravana with resource person in an International conference on Opto-electronics and applied optics 2014, Kolkata.

CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- ◆ R.Nagendra Kumar & S. Mani Krishna Students of III Civil participated in The National Open Karate Do Championship 2014 organized by Shito Ryu Kai an International Karate Do Academy held at B.R Indoor Stadium Guntur on 7th December ,2014.
- ◆ G.Sindhuja & T.Gayatri Students of IIMBA participated in the event Human Element in Magnova-2014 at P.B.Siddhartha College of Arts and Science, Vijayawada , on 20th December, 2014.
- ◆ A.N.S.S.M.Sandeep & M.Venkata Raju, students of IIMBA participated in the event Vocab Crucible in Magnova-2014 at P.B.Siddhartha College Of Arts And Science, Vijayawada on 20th December, 2014.
- ◆ Y.Teja Priya Sree Student of IIMBA participated in the event Trail Blazer in Magnova-2014 at P.B.Siddhartha College of Arts and Science, Vijayawada ,on 20th December, 2014.
- ◆ M. Sita Ratnam a student of II MBA has participated in the event Be Da Schepper in Magnova-2014, at P.B.Siddhartha College of Arts and Science, Vijayawada on 20th December. 2014.
- ◆ A.Chaya Bharani & D.Rekha participated in the event Synergy in Magnova-2014 at P.B.Siddhartha College of Arts and Science, Vijayawada. on 20th December, 2014.
- ◆ T.Darshitha,D.Kalyan Babu & R.Suresh students of IIMBA participated in the event Hunt For Survival in Magnova-2014 at P.B.Siddhartha College Of Arts and Science, Vijayawada, on 20th December, 2014.
- ◆ Students of IIMBA attended a two day work shop on exploring entrepreneurship opportunities in Andhra Pradesh at sri Vishnu Educational Society, Bhimavaram .
- ◆ G.Sindhuja & A.N.S.S.M.Sandeep,I.Rajesh Participated in Voltech Hr Caucas-14 at Hyratt Regency,Annasalai,Chennai on 11th Oct. 2014

EXTRA CURRICULAR ACTIVITIES

- ◆ Y.Naresh, D.Kalyan Babu, Ch.Gandhi, R.Satyanarayana and Other students of MBA Performed a Skit on National Integrity in Manadesam -Mana Geetham Programme Organized in Our College on 10th Feb, 2014, Which was live telecast on NTV
- ◆ K.N.V.D.M. Sandeep got two gold and one bronze medal in Black Belt category in AP state Karate Championship conducted at Chilakaluripet on 7th Sep, 2014.
- ◆ Ch. Suresh got one gold and one silver medals in Brown Belt category in AP state Karate Championship conducted at Chilakaluripet on 7th September 2014.
- ◆ K.N.V.D.M. Sandeep got two gold medals in Black Belt category in Open National Karate Championship on 7th Nov, 2014.
- ◆ Volunteers of Aacharna from EEE department (Ramu Naidu, Chandra Sekhar, Padma Rao,Karthik) have spent oneday with "Mentally Retarded Children" in Narsapur on 3rd Dec. 2014.

NSS ACTIVITIES

- ◆ Blood grouping activity Conducted for First year B.Tech students
- ◆ Personality Development Programme conducted for all NSS students by Mr.Hari Prasad Ex.NSS District Coordinator West Godavari on 12th Nov.
- ◆ Mass Plantation by NSS Students on 20th Nov 2014
- ◆ Mana Desam Mana Geetham Programme volunteered by NSS students which was live telecast on NTV on 10th Dec, 2014.

PLACEMENT CELL

200 Candidates were selected in the following list of companies during 2014-15.

- 1 Good Through Software Solutions Pvt.Ltd.
- 2 NetEnrich Technologies Pvt.Ltd.
- 3 Value Labs
- 4 L & T infotech
- 5 HCL Technologies
- 6 Effronics Systems Pvt.Ltd.
- 7 KK Circuits & Equipments Llc.
- 8 Star Health Ltd.
- 9 Sanya Technologies
- 10 AriseHRServices (Amazon)
- 11 AGI glaspac

- 12 Cadsys(India)Ltd.
- 13 Amazon(Mega Job fair)
- 14 IDBI Intech
(Mega Job fair)
- 15 India Infoline(Mega Job fair)
- 16 Kun Chevrolet
(Mega Job fair)
- 17 Kun United Hyundai
(Mega Job fair)
- 18 Sanya Technologies
(Mega Job fair)
- 19 Star Health Ltd.(Mega Job fair)
- 20 Birla Sun Life Insurance
(Mega Job Fair)

- 21 InRhythm Solutions Private Ltd.
- 22 Atos
- 23 Good Through Soft ware Solutions Pvt.Ltd.
- 24 CA Technologies
- 25 Polaris
- 26 Open Text
- 27 Gogreenbov
- 28 Hidden Brains Infotech Pvt. Ltd.
- 29 Tech Mahindra
- 30 Virtusa
- 31 Effronics Systems Pvt.Ltd.

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జంజినీరింగ్కు ఉజ్వల భవిష్యత్

స్వర్ణాంధ్రలో ముగిసిన జాతీయ స్థాయి టెక్నోస్కెట్

జంజినీరింగ్ విభాగంలోని విద్యార్థులు చేసిన పనిని ప్రదర్శించి, ఉత్తమంగా పురస్కారం గెలుపొందిన విద్యార్థులకు ముగిసిన జాతీయ స్థాయి టెక్నోస్కెట్ పోటీలు జరిగాయి. ఈ సందర్భంగా విద్యార్థులు చేసిన పనిని ప్రదర్శించి, ఉత్తమంగా పురస్కారం గెలుపొందిన విద్యార్థులకు ముగిసిన జాతీయ స్థాయి టెక్నోస్కెట్ పోటీలు జరిగాయి.



సమాజాభివృద్ధికి పాటుపడాలి

- విద్యార్థులకు ఇచ్చే ప్రయోగాలు
- స్వచ్ఛమైన నీటి సరఫరా ప్రాజెక్టు

జంజినీరింగ్ విభాగంలోని విద్యార్థులు చేసిన పనిని ప్రదర్శించి, ఉత్తమంగా పురస్కారం గెలుపొందిన విద్యార్థులకు ముగిసిన జాతీయ స్థాయి టెక్నోస్కెట్ పోటీలు జరిగాయి.



Lightening the lamp by Sri Krishna Revanker, CEO of EMMVEE, Bangalore at a National Conference on Green Energy Solutions



NTV Manadesam, Manageetham programme at SCET



Lightening the lamp by Dr. B. Prabhakar Rao, Vice-Chancellor JNTU-K at inaugural function of Techno Scet



Blood Grouping programme organized by NSS Volunteers in Decennial Block

సాక్షి



Principals of swarnandhra with Dr. M.Y.S. Prasad, ISRO Director



Personality Development programme to NSS Volunteers by Mr. Hari Prasad



Enjoyment moments of Staff at Garden party



Principals of swarnandhra at Launchpad with ISRO Scientists



Acharya C. Kailas Planting Rose Plant at Decennial Block



Idols were consecrated in Decennial Block by Dr. S. Ramesh Babu