



# SWARNAKSHARA

A Newsletter of

SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)



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Seetharamapuram, NARSAPUR-534 280, West Godavari Dist., A.P.

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Academic Council Meeting on 7<sup>th</sup> April 2018

## Editorial

Dear Readers,

Board of studies meeting is held periodically in the campus to ensure that implementation of outcome based curriculum and forms of assessment for improving the learning abilities of the students. Academic Council meeting also held to ensure the best practices are being implemented and standards are being maintained in the institution.

To boost the creative skills of the students, to enhance their confidence levels Project Expo2K18 was organized in all the departments in the campus on 10<sup>th</sup> March 2018. The chief guest Dr. G. Ranga Janardhana, member of Andhra Pradesh Public Service Commission visited students to be confident enough in achieving their goal in his address.

Programmes on personality development not only enhance the general as well as unique traits of a student but also help to develop positive thinking, confidence levels and better communication of the students. A programme on personality development was organized in the campus on 24<sup>th</sup> Jan 2018. The chief guest Swamy Sravyananda from Rama Krishna Mission trained the students.

Orientation Programmes as per AICTE New regulations were conducted for 1<sup>st</sup> B Tech students from 22<sup>nd</sup> June to 7<sup>th</sup> July 2018 in the campus by eminent personalities such as Dr. V. Chakravarthy, Dr. P. Rama Subba Reddy, Sri R. V. Subba Rao and Mr. P. Rajesh Murthy etc. Yoga classes also conducted during orientation programme.

Startup entrepreneurship changes the values of the society and brings a new mind set, in line with the society based on knowledge and creativeness in the students. SCET hosted a Work Shop on Investing in Startups Made Easy on 27<sup>th</sup> April 2018 at Hotel Pranams, Near Town Railway Station, Bhimavaram. Besides this, workshops like, Python, Embedded System Fundamentals With IOT, Google Android Development-Phase, CATIA, CNC Lathe etc., were also organized in the campus.

To provide the opportunities to students for better placements, SCET conducted a mega job fair in the campus on 12<sup>th</sup> Feb 2018. Around 550 students from East, West Godavari, Krishna and Guntur districts were participated in job fair.

Achievers day and farewell day were celebrated for all the PG and B.Tech final year students of SCET in the campus on 3<sup>rd</sup> April and on respective dates. SCET feels proud of its students as 539 students got selected in different MNC Companies in the Academic Year 2017-18.

SCET feels proud of its student as our students got the first and second place in Cyberthan2K18, which is conducted in collaboration with Industrial Institute of Digital Technology and received awards from Information Technology Minister, Sri Nara Lokesh.

SCET celebrated 69<sup>th</sup> Republic day in the campus. The chief guest Sri. G.V.K. Rama Rao, Senior Advocate addressed the students and insisted to develop confident level in them.

Besides developing competitive spirit, Sports and games develop teamwork and problem-solving skills among the students. SCET always strives for all round development of the students by encouraging its students to participate in National and International tournaments. It is evident that our students B. Vinod Kumar, B. Mallesh Babu, G. Surya Kiran and A. Veera Babu participated in Student Olympic National Games in Haryana and won gold, silver, bronze medals in disc throw and javelin throw held from 4<sup>th</sup> to 7<sup>th</sup> Jan 2018.

Swarnandhra College of Engineering & Technology strives to turn its students sensible by celebrating different events such as World Water Day, International Yoga Day and International Women's Day in the campus.

As a part of NSS activity, NSS unit of our college organized Mega Camp 'Healthy Youth for Healthy India' at Saripalli from 26<sup>th</sup> Feb to 4<sup>th</sup> March, 2018 and organized different activities such as Dental Camp, eye camp, plastic awareness programme and traffic awareness programme.

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.

- Dr. Zehrabi



I am extremely happy on releasing the Newsletter, SWARNAKSHRA, highlighting the activities of our college between January and June, 2018, volume -9, issue-2.

I have assumed the responsibility of the principal of Swarnandhra College of Engineering & Technology from the academic year 2018-2019. I feel it's my privilege to express my thoughts about the institution as the principal of Swarnandhra College of Engineering & Technology. Our institute holds manifold distinction of being amongst the best when one considers the present status of Technical Education today. Imparting value-based Education to all the students is given the top most priority of our mentor Dr. S. Ramesh Babu, the Secretary and Correspondent of Swarnandhra College of Engineering & Technology

In the changing global scenario English has become the store-house of knowledge and medium of communication in today's world of cut-throat competition, only the efficient, the able and the smart can survive. Employability skills play a crucial role in building the career of the technocrats. In this context, our institute committed to maintain academically rich and professionally competent by conducting various training programmes in the campus. Our faculty members do support and play a vital role in the overall development of our students and the institute.

We have conducted the Academic Council and Board of Studies (BOS) meetings in every department for discussing and finalizing the courses and syllabi for the U.G. and P.G. programmes. Board of Studies (BOS) meetings have been held to incorporate Choice Based Credit System (CBCS), the changes in the scheme like adding the new electives and updating the content of the subjects as per the feedback received from Experts, Industry, Academia and Alumni.

I congratulate all the Editorial Members on releasing this Newsletter.



**Dr. S. Suresh Kumar**  
Principal

**VISION** To provide the society with Centre of Learning in Technical Education and Research that motivates the students to evolve into dynamic professionals.

**MISSION**

- Providing Quality education, student centered teaching learning process and state of the art infrastructure for professional aspirants hailing from both rural and urban areas
- Evolving this organization into a centre of Academic and Research Excellence
- Imparting Technical Education that encourages independent thinking, develops strong domain knowledge and positive attitudes towards holistic growth of young minds

**ORIENTATION PROGRAMMES**



1 Year B.Tech orientation Programme by the Principal on 22-6-2018



Personality Development by Dr. K. Rama Subba Reddy on 23-6-2018



Motivation Talk for 1 Year B.Tech. by Dr.V. Chakravarthy



Orientation Programme for Polytechnic Students by Secretary & Correspondent





### Vision

- ◊ To make the students strong in both technical and practical aspects to meet the national and international requirements.

### Mission

- ◊ To facilitate the graduates in acquiring technical exposure to create innovative ideas through state of the art curriculum and conducive learning environment.
- ◊ To provide quality education for successful career and higher studies in Civil Engineering that emphasizes academic and technical excellence in profession and research, effective communication, team work and leadership to meet the challenges of the society.
- ◊ To improve the professional skills of the rural students, to fulfill the present industry and society requirements.

### New Trends in Technology



The design communication is gradually being changed from 2D based to integrated 3D digital interface. Building Information Modeling (BIM) is a model-based design concept, in which buildings will be built virtually before they get built out in the field.

where data models organized for complete integration of all relevant factors in the building lifecycle which also manages the information exchange between the AEC (Architects, Engineers, Contractors) professionals, to strengthen the interaction between the design team. BIM is a shared knowledge about the information for decisions making during its lifecycle.

### Faculty Focus

Dr.M.S.V.K.V Prasad completed NPTEL online certification in "Electronic Waste Management Issues and Challenges" from IIT Kharagpur during Feb-Mar 2018.

### Student Focus

T. Navya Padmini Student of VI Sem bagged the first prize in Model Making on "Energy Generation Techniques from Renewable Resources and Prevention of Accidents at Hill Slope" in a National symposium "Medha Milan" conducted by Sri Vishnu Engineering college For Women, Bhimavaram on 7<sup>th</sup> Jan 2018.



Winner with Secretary and Principal

T. Navya Padmini Student of VI Sem bagged the first prize in Model Making on "Energy Generation Techniques from Renewable Resources and Prevention of Accidents at Hill Slope" in a National symposium "Medha Milan" conducted by Sri Vishnu Engineering college for Women, Bhimavaram on 8<sup>th</sup> Jan 2018.

### Important Activities in the Department



Students at workshop

◊ A Workshop was conducted on "Total Station" for VI Semester students from 2<sup>nd</sup> to 6<sup>th</sup> March 2018. T. Prem Babu, a Trainer from Unique Survey Solutions, was the resource person of the workshop.



A Workshop was conducted on "AUTOCAD" for IV semester students from 17<sup>th</sup> to 23<sup>rd</sup> Feb 2018. V. Bhaskar Rao, a Trainer from Design Labs, Secunderabad, was the resource person of the workshop.

Student receiving certificate from secretary and correspondent Students visited L&T Housing Construction Project, near Gunipudi Bhimavaram on 24<sup>th</sup> Feb 2018.



Students learning about shear wall technology at the project site To boost the skills of the students Project Expo 2k18 was organized on 10<sup>th</sup> March 2018 in the department.



Winners receiving the prize Academic Toppers



students at the project Expo 2k18



K.M.Subba Rao  
15A25A0111  
9.41 CGPA  
VII SEM



S.Saveena  
14A25A0143  
9.82 SGPA  
VIII Sem.



K.Veerawamy  
15A25A0127  
9.5 SGPA  
VII SEM



Y.Mounika  
16A25A0114  
9.57 SGPA  
IV Sem.

### Alumni's Voice



Entering Swarnandhra is one of the best things happened in my life, both on personal and professional fronts. It has inculcated a lot of intra and interpersonal skills which is one of my key learnings of my success.

Mr.K.Nagababu, A.E.E, Batch 2009-13  
Irrigation Department, Kurnool.

### Student's Voice



I acknowledge that my knowledge has been enriched due to my association with our department. Our department strives to induce the knowledge and develop skills in the students to face the real time application. The faculty always a step ahead to make learning more fruitful.

Mr. P.S.RAIDU  
15A21A0143





## Vision

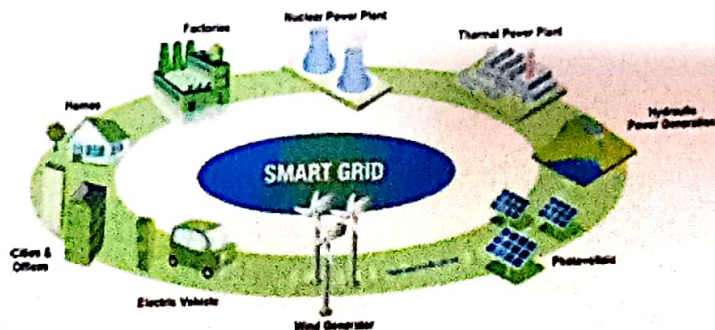
To be a leader in developing creative and entrepreneurial engineers and thereby, leading the development in Electrical Engineering & Technology of Andhra Pradesh and our country.

## Mission

- ❖ Promoting graduates to discover, disseminate, apply knowledge related to the broad aspects of Electrical Engineering through innovative pedagogic methods centered on Learning-to-Learn (L2L) principles.
- ❖ Providing graduates to develop their skills and seek knowledge after graduation by adopting advanced technology.
- ❖ Equipping our students to adapt themselves to global needs while upholding professional ethics and to contribute their might in transforming India into a world leader.
- ❖ To be a Center of Excellence in preparing the students in developing research, entrepreneurial and employability capabilities

## New Trends in Technology

Smart Electrical Grids



As energy systems become more complex and energy sources become more diverse, smart grids play a vital role in worldwide. Smart grids integrate innovative electrical technology at multiple levels to improve flow control, detect malfunctions, and automate service delivery.

## Faculty Focus

- ❖ **Dr.V.Moorthy**, Professor published a paper entitled "Investigation of the Impact of load balancing index on Distribution System using Adaptive Weighted Improved Discrete Particle Swarm Optimization" in an International Journal of Electrical Engineering, Vol: 25, Issue:2, pg: 69-79, (published by Chinese Institute of Electrical Engineering China), April 2018.
- ❖ **Dr.V.Moorthy** Professor published a paper entitled "Environmentally Sustainable Economic Dispatch Using Grey Wolves Optimization" in an APRN Journal of Engineering and Applied Sciences.Vol:13, Issue: 6, pg: 2068-2079, March 2018.
- ❖ **B. Subramanyam**, Assistant Professor, attended an International conference on "Emerging Trends In Electrical Systems and Engineering", conducted at Mallareddy Engineering college for women, held on 2<sup>nd</sup> & 3<sup>rd</sup> February 2018.
- ❖ **A.V.D.Suresh Kumar**, Assistant Professor, attended a seminar on "National instruments Engineering Education & Research conducted" at Murali Park Vijayawada, on 29<sup>th</sup> June 2018.
- ❖ **B. Subramanyam**, Assistant Professor, published a paper entitled "Control Of Three Phase Grid Connected Modular Multilevel Converters" in an International Journal of Pure And Applied

## Student Focus :

- ❖ **U. G. Pravallika, P.Sireesha and Himasri** students of IV Sem won the 1<sup>st</sup> prize in Project Expo on "Lineman safety" conducted in SCET on March 10<sup>th</sup> 2018
- ❖ **G.Sivaram Prasad** the student of 4<sup>th</sup> Sem presented a Poster in Project Expo conducted by SCET, on March 10<sup>th</sup> 2018.
- ❖ **K.Ranga Rao**, student of 4<sup>th</sup> Sem appointed as a Secretary for New Colours Organisation .

## Placements

- ❖ Twenty seven students of EEE got selected in various companies such as Skypo Technologies, Axis Global Automation Group of Companies, GSG, RamTech, Lenembus Nutrition International Pvt Ltd, J.K. Fenner Ltd, Jindal Electric & Machinery Corporation and Sahasramaaya Technologies.



BOS team visited the department on March 3<sup>rd</sup>, 2018

## Academic Toppers



E.Venkatesh  
15A25A211  
VIII SEM  
SGPA 9.05



L.Mahendra  
15A25A0226  
VIII SEM  
SGPA 9.05



Y. Balaji  
15A21A0259  
VI SEM  
SGPA 8.04



Ch.Prasanna  
17A25A0203  
IV SEM  
SGPA 9.17

## Alumni's Voice



Mr. K Ranjith Kumar, Batch 2015-18  
Station Master in Indian Railways

I feel very proud to be alumni of this college. I am very grateful to the college and department faculty, who guided me to develop in all aspects. The workshops and training programs which were conducted to the students are helpful to sustain their professional career.

## Student's Voice



The Department nurtures the thoughts of students and strives to make them true. It encourages every student to think creatively. So I am grateful to the management & faculty of Swarnandhra for their efforts to develop us in all aspects.

Mr. E Ram Sai  
VII Sem 15A21A0213



## Vision

- To educate and enrich effective and responsible Mechanical Engineers to fulfill the needs of industry and society

## Mission

- To lay a strong foundation of technical knowledge by concentrating on fundamental concepts of Mechanical Engineering.
- To develop creative thinking and innovative methods for solving complex Engineering problems.
- To develop team spirit, leadership and professional qualities.
- To strengthen research abilities in collaboration with industry.

## New Trends in Technology

Self-healing material:



Self-healing materials are artificial or synthetically-created substances that have built-in ability to automatically repair damage to themselves without any external diagnosis of the problem or human intervention.

## Faculty Focus

- Dr. P Venkateswarlu joined as a professor, Department of Mechanical Engineering on 24<sup>th</sup> May 2018.
- Mr. N.V.S. Shankar, Associate Professor, Dr. A.Gopi Chand Professor, K. Hanumantha Rao Assistant Professor, published a paper entitled "Low Cost Vibration Measurement and Optimization during Turning Process" Advanced Materials Research, Volume: 1148, ISSN: 1662-8985, June 2018.
- Mr. R Sam Sukumar, Associate Professor, published a paper entitled "Experimental Investigation of Mango Seed Bio Diesel with Iso Butyl Alcohol as Fuel Additive" in an International Journal of Research, Volume:7, Issue: 6, ISSN: 2236-6124, June 2018.
- Mr.B.Mahesh Krishna, Assistant Professor, published a paper entitled "Optimization of Plastic Gears by using Asymmetric Tooth Profile" in a Journal of Emerging Technologies and Innovative Research (JETIR), Volume: 5, Issue : 5, ISSN: 2349-5162, May 2018.
- Mr. N.V.S.Shankar, Associate Professor, published a paper entitled "Experimental Investigation into Heat Transfer during Swirl Jet Impingement" in an International Journal of Applied Engineering Research (IJAER), Volume: 13, Issue :7, ISSN: 0973-4562, April 2018.
- Mr. R Sam Sukumar, Associate Professor, published a paper entitled "Performance and Emission Analysis of Calophyllum Inophyllum Biodiesel Using Iso Butanol as Additive" in an International Journal of Current Engineering and Scientific Research (IJCESR), Volume:5, Issue: 3, ISSN: 2393-8374, March2018.
- Dr. A.Gopi Chand, Professor, published a paper entitled "Pelton Turbine - A Review" in an International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653, Volume: 6, Issue: 3, ISSN: 2321-9653, March2018.
- Mr. R. Lalith Narayana, Associate Professor, published a paper entitled "Experimental Study on Performance of Passive and Active Solar Stills in Indian Coastal Climatic Condition" in an International Journal of Frontiers in Energy Springer, ISSN: 2095-1701, February 2018.
- Mr. V Murali, Assistant Professor, Mr. V Kulasekhar Reddy, Assistant Professor were Certified for 'Fusion 360' from Autodesk, June 2018.



## Workshops/Conferences Attended by Faculty

- Mr. V Murali, Assistant Professor attended a two day faculty Training Program, On "MATLAB and its Applications" at Gudlavalluru Engineering College, Gudlavalluru on 8<sup>th</sup> & 9<sup>th</sup> February 2018.
- Mr. R Sam Sukumar, Associate Professor, Mr. T Dalva Asirvadam, Assistant Professor attended a workshop on "CFD" at Gudlavalluru Engineering College, Gudlavalluru, from 18<sup>th</sup> to 23<sup>rd</sup> June 2018,
- Mr. R Sam Sukumar, Associate Professor presented a paper on "Synthesis and Characterization of Cerium Oxide Nano Particles and its Applicability as fuel Catalyst" in CLJET-2018 at LIET, Vizianagaram, held on 15<sup>th</sup> & 16<sup>th</sup> June 2018

## Students' Focus

- S.P.M. Eswar Kumar student of 4<sup>th</sup> Sem won the first prize in a paper presentation in "ALOKA 2K18" conducted by D.N.R. College of Engg and Technology, on 23<sup>rd</sup> Feb 2018.
- S. Hanuman Reddy student of 4<sup>th</sup> Sem won the second prize in both Quiz and paper presentation in SANKALPA 2K18 conducted by Swarnandhra Institute of Engg and Technology, on 8<sup>th</sup> and 9<sup>th</sup> March 2018.
- P. Teja Sai Kiran, T. Praveen, M. Praveen Kumar, P. Ravi Kiran students of 8<sup>th</sup> Sem, won the first prize in cricket, "4<sup>th</sup> Students Olympic National Games 2017" at Govt College, Daman 9<sup>th</sup> to 11<sup>th</sup> February 2018.
- P. Rachana student of 6<sup>th</sup> Sem won the first prize in "Water Rocket Event" and second prize in paper presentation in "Medha Milan 2018" conducted by Sri Vishnu Engineering College for Women on 7<sup>th</sup> and 8<sup>th</sup> March 2018.

M.V.Khalesh student of 6<sup>th</sup> Sem won the second prize in Model Expo in "Sanketa 2k18" conducted by S.R.K.R Engg college, Bhimavaram on 8<sup>th</sup> & 9<sup>th</sup> Feb 2018

G. Vijay Kumar student of 4<sup>th</sup> Sem won the first prize in Poster Presentation, second prize in Project Expo, Third Prize in Essay writing in "Horizon 2k18" conducted by BVC Institute of Tech & Science, Amalapuram on 12<sup>th</sup> and 13<sup>th</sup> March 2018.

Ch. Sai Teja student of 4<sup>th</sup> Sem won the second prize in Model Expo in "Sanketa 2k18" conducted by S.R.K.R Engg college, on 8<sup>th</sup> and 9<sup>th</sup> Feb 2018.

Ch. Sai Teja student of 4<sup>th</sup> Sem won the Second prize in Poster Presentation in Project Expo and Poster Presentation conducted by SCET, on 10<sup>th</sup> March 2018.

## Academic Toppers in 2017-18



Ch. N. Kumar  
15A25A0303  
2014-2018  
CGPA -9.30



Ch. N. Kumar  
15A25A0303  
VIII SEM  
SGPA -9.14



K. SAI SWARNA SRI  
15A21A0344  
VI SEM  
SGPA -9.00



K. RADHAKRISHNA  
16A25B0310  
VI SEM  
SGPA-9.00



S. H. REDDY  
17A25A0343  
IV SEM  
SGPA-9.02

## Placements

Fifty Seven students of Mechanical Engineering got selected in various companies like Asahi, Texmo Industries, Ram Tech, Axis Global etc.

## Important Events in the department

- Five days workshop on "Non-Destructive Testing" for VI semester students by Vidal NDT, Vijayawada, from 8<sup>th</sup> to 12<sup>th</sup> Jan 2018
- A guest lecture on "Fluid Mechanics of The Mechanical Circulatory Support System" was delivered for VI and VIII semester students by Dr. Prasad Patnaik, Professor IIT Madras on 27<sup>th</sup> January 2018.
- A one week Training Program on "Unigraphics Nx" and "Robostudio" for VI semester students by Mr. D.Vimal, Trainer from APSSDC, from 26<sup>th</sup> Feb to 3<sup>rd</sup> March 2018.
- BOS Meeting was conducted on 31<sup>st</sup> March 2018.
- Industrial Visit to students of VII Sem to NTTPC, Vijayawada from 30<sup>th</sup> June and 1<sup>st</sup> July 2018.



Mr.S Kirti Kumar Vice Chairman at NDT Workshop



BOS Meeting 31<sup>st</sup> March 2018

## Alumni's Voice



I am very glad to be a part of Swarnandhra College of Engg & Technology. It was the most important time in my life as I was blessed with great professors, best friends and unforgettable memories. Apart from classroom, Library, Labs and Playground are the awesome places in the campus.

Mr. Medepalli Nathaniel (2012-2016)  
Assistant Executive Engineer,  
Water Resources Department

## Student's Voice



I deem it as a privilege to express my profound gratitude to the department of Mechanical Engineering. I will definitely remember, the contribution made by the department in the technical knowledge. This institution has fostered noble values of integrity, honesty which leads to the building up of character.

Ms. K. SAI SWARNA SRI  
(15A21A0344), VII SEM





### Vision

To impart quality technical education for Electronics and Communication Engineering Professionals by enriching technical knowledge to cater the needs of industry and society

### Mission

- To facilitate the graduates in acquiring technical exposure to create innovative ideas through state of the art curriculum and conducive learning environment
- To provide individual attention and build the character through quality technical education
- To improve the professional skills of the rural students to fulfill the present industry and society requirements

### MODERN TRENDS IN TECHNOLOGY



ISRO's 100<sup>th</sup> satellite "Cartosat 2" was successfully placed into orbit. Apart from monitoring the borders, the Cartosat2 is expected to help monitor and boost data services for coasts, road networks, water distribution, and land use mapping. It also provides high resolution scene specific spot images. It carries panchromatic and multi spectral cameras and is capable of delivering high resolution data. The PSLV also carried satellites from Canada, Finland, France, Republic of Korea, UK and the United States.

### Faculty Focus

#### Paper Presentations in Conferences/Workshops:

S.Srilal, Associate Professor got enrolled his name for Ph.D programme in K J University, February 2018.

R.Gopi Krishnashna, R.MuraliKrishna and D.Sekhar published a paper entitled "IoT based Wireless Video Surveillance Robot using Raspberry Pi" in an International Journal of Research (IJR) Vol: 5, Issue: 15, May 2018.

J.E.N Abhilash, presented a paper entitled "Architecture Design of WT Multiplier to Improve its Performance" in an International conference on recent trends in Engineering and Sciences (ICRTES) on 20<sup>th</sup> & 21<sup>st</sup> Feb 2018

#### Department Activities:

- Project Expo 2K18 was organized in the department.
- Workshop based on IoT was organized in the department



Workshop based on IoT



Students at Project Expo 2K18

### Placements

Sixty Five students of ECE got selected in various companies such as IBS Software Services, Altura Consulting Pvt. Ltd., Entertainment (International) Ltd, Tech Mahindra Ltd, Chennai Cattan IT labs Pvt. Ltd, Zen Technologies Ltd, GSG (A Unit of HST), Technologies Pvt. (td), Vectra Technosoft Pvt Ltd, West Line IT Management Pvt Ltd, Vee Technologies, and Wells Fargo

### Academic Toppers



V.Indira Naga Devi  
 IV-Sem  
 9.87 SGPA



J.Sri Sandhya  
 VI-Sem  
 9.00 SGPA



T.Venkata  
 VIII-Sem  
 9.36 V

### Alumni's Voice



I proudly say that my college provided platform to enhance the technical skill, improve my knowledge as well. As a software developer at Virtusa, I personally suggest youngsters to pursue their B. Tech degree at Swarnanidhra where a student can get education along with proper discipline.

Mr. N.D. S. P Bhaskar, Batch 2013-17, Associate Engineer Virtusa Consulting services Pvt.Ltd, Hyderabad

### Student's Voice



I feel proud to be a student of Swarnanidhra College of Engineering & Technology. I felt that my knowledge has been enriched due to my association with my department.

Ms. P.Nagadevi, IV-B.Tech.  
 14A21A01A1

*Concentrate all your thoughts upon the work at hand. The sun's rays do not burn until brought to a focus.*  
 Alexander Graham Bell.



**Vision**

To empower Computer Science Engineers as technologically adept, innovative, self-motive and socially responsible professionals by providing multi dimensional education.

**Mission**

- To lay a 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 produce software solutions.
- To strengthen employability and entrepreneurship skills.

**New Trends**



**IoT becomes BioT**

Combining IoT with block chain - or BioT- users in a whole host of new services and businesses. For example, BioT can be used to track shipments of pharmaceuticals and to create smart cities. In 2018, companies begin to use Application Programming Interfaces and softwares to connect different databases and

computer services. Combined with the block chain Internet of things, it will be as easy to get data from sensors in a warehouse as accessing websites on our mobile phones.

**Faculty Focus**

Dr. P. Srinivasulu joined as a Professor & HOD of the department of Computer Science and Engineering on 11<sup>th</sup> June 2018.



**Paper Publications**

- Dr T Veramani, Professor, published a paper entitled "Automated Unmanned Military Tanker" in a Journal of Advanced Research in Dynamical and Control Systems, Vol: 10, Issue: 5, ISSN No. 1943-023, May 2018.
- Mr. Saka Uma Maheswara Rao Assistant Professor, published a paper entitled "Integration of Artificial Neural Networks for Stock Price Prediction" in an International Journal of Resarch in Electronics and Computer Engineering, Vol: 6 Issue: 2, ISSN No. 2348-2281, June 2018.
- Mr. P Samba Siva Raju, Assistant Professor, published a paper entitled "Storage and Retrieval of Secure Information In the Cloud Systems" in a Journal of Advanced Research In Dynamical and Control Systems, Vol: 10, Issue: 9, ISSN No 1943-023 May 2018.

**Workshops attended:**

- Mrs. I Praveena attended the "Entrepreneurship Awareness Camp" held at SCJ, Satharampuram, from 30<sup>th</sup> to 31<sup>st</sup> January 2018.
- Mr. P Srinivasulu Rao, Assistant Professor, participated in Faculty Enablement Program on Best Practices on Python & DBMS conducted by Infosys Limited in collaboration with Task at Vbit, Hyderabad from 1<sup>st</sup> Jan to 2<sup>nd</sup> February 2018 and has been awarded with A+ Certificate.
- Mr. P. Ramesh Babu, Associate Professor attended a Two - Day Conference on 2018 "Cisco Networking Academy Conference in India" at Gateway Hotel, Vizag, on 5<sup>th</sup> & 6<sup>th</sup> Feb 2018.
- Dr. B. Rama Krishna, and Dr T.Veeramani Professors Participated as Mentors in Smart India Hackathon 2018 Software Edition Grand Finale, conducted by Department of Telecommunication Ministry, in Haryana from 30<sup>th</sup> to 31<sup>st</sup> March 2018.
- Mr. P. Srinuvasa Rao and Mr. K Dileep Kumar Assistant Professors Participated as Mentors in Smart India Hackathon, 2018 Software

Edition Grand Finale, conducted by Ministry Government of Delhi Students Innovation, In Pune from 30<sup>th</sup> to 31<sup>st</sup> March 2018.

- Dr. T Veeramani, Professor, attended a six day AICTE - ISTE sponsored Induction Program on "Machine Learning using R Programming" at R.M.K. College of Engineering & Technology, Puduvoyal, Chennai from 23<sup>rd</sup> to 28<sup>th</sup> April 2018.
- Mr. P Srinu Vasu Rao, Assistant Professor, participated in Faculty Improvement Program on AWS Skill Guru workshop at VIEW, Vizag, from 30<sup>th</sup> to 31<sup>st</sup> May 2018.
- Mr D Chittibabu, Assistant Professor, participated in the Faculty Improvement Program on Data Structures and Algorithms Wrokshop at MITS Madanapalle from 28<sup>th</sup> May to 1<sup>st</sup> June 2018.

**Students Focus**

- Manasa, Jyotshna, SaiSiddani, Ram Mohan, Pushpa Lata, Kinnera Sai students of VII Sem got selected for the national round of the Smart India Hackathon. They participated in both the second and third rounds which were conducted in Panipat, Haryana on 30<sup>th</sup> & 31<sup>st</sup> March 2018.

Subash, Gopi, Sai Chowdhary, Sai Kumar, Deepthi students of final year got selected to the national rounds of the Smart India Hackathon as well. They participated in the national rounds in Puncon on 30<sup>th</sup> & 31<sup>st</sup> March 2018

**Academic Toppers**



B.KM Lakshmi  
 14A21A0557  
 CPGA: 9.21  
 VIII Sem



Kavuru Chandini  
 15A21A0552  
 SGPA: 9.30  
 VI Sem



Pandi Pushpalatha  
 16A21A0584  
 SGPA: 9.61  
 IV Sem

**Placements**

82 Students of VIII Semester have been placed in various MNC companies like TechMahindra, Wells Fargo, JusPay, Altura etc.

**Alumni's Voice**



Mr. Chanakyudu Ravuri, Batch 2009-13  
 Software Consultant at Hexagon, Hyderabad

I am very honoured to be an alumni of Swarnandhra College of Engineering and Technology. It has made me aware of the ongoing trends through workshops. The aptitude and language training came quite handy for me. I can say with my head held high, that I feel proud to be an alumni of this college.

**Student's Voice**



Ms. Uppuganti Chamundeswari  
 7A21A0580, III Semester

I feel proud to be a student of this college the management and faculty thrive to blend knowledge into the students. The department not only focuses on academic but also all-round development, to keep the students fresh and enhance their receiving capabilities. This very experience would be useful in future.



**Vision**

To be a premier centre in Information Technology education, research and a source of qualitative, innovative, successful software professionals who cater the needs of industry and society.

**Mission**

- To provide outcome based education through well-designed curriculum, innovative teaching, collaborative learning and industry interaction.
- To promote state-of-the-art research facilities and consultancy in the thrust areas of Information Technology.
- To impart the necessity of continuing education in order to grow proficiently in the focused areas.
- To inculcate professional behavior, leadership qualities and ethical values to serve the society.

**New Trends**

Artificial Intelligence is fundamentally different to Human Intelligence. Using AI Arms Race, Governments and Organizations are increasing their investments on the development of artificial intelligence, so artificial intelligence becomes smarter and get more money flow into it.

**Faculty Focus**

Dr. R.V.V.S.V.Prasad, Head of the department, completed an Online Certification course NPTEL on Data Structures and Algorithms using Python, on 29<sup>th</sup> April 2018.

J.N.S.S.Janardhana Naidu Asst. Prof., Published a paper on 'Robust Analysis of Cloud Computing Framework with Machine Learning Intentions for Industrial Applications' in an International Journal of Research, Volume :5, Issue: 16, June 2018.

**Workshops Attended:**

Dr. R.V.V.S.V.Prasad, Head of the department, attended a five day workshop on Python and RDBMS at VBIT, Hyderabad, from 29<sup>th</sup> Jan to 2<sup>nd</sup> Feb 2018

Dr. R.V.V.S.V.Prasad HOD, Professor attended in a 3-day workshop on Machine Learning at NIT Warangal, from 12<sup>th</sup> to 17<sup>th</sup> Mar 2018

J.N.S.S.Janardhana Naidu Asst. Prof., Ch.Rama Krishna Raju Asst. Prof., participated in a 2-day workshop on Faculty Improvement Program on AWS Skill Guru Workshop at VIET, Vizag on 30<sup>th</sup> & 31<sup>st</sup> May 2018

**Department Activities**

A five day workshop on Advanced Python Programming was conducted by APSSDC from 2<sup>nd</sup> to 6<sup>th</sup> Jan 2018.

A two day workshop on Android Programming was conducted on 23<sup>rd</sup> & 24<sup>th</sup> Feb 2018.

**Students Focus:**

- M.L.Nandini, B.Suresh and N.Nimeesha students of VI Sem completed NPTEL Online Certification course on "Data Structures and Algorithms using Python" in April 2018.

- A five day workshop on Advanced PYTHON Programming conducted by APSSDC from 2<sup>nd</sup> to 6<sup>th</sup> Jan 2018.
- K.Thanuja chowdary student of VI sem completed certification course on Python programming in Motive Computer Education in June 2018.
- J.Phani and B.Prudhvi student of VI sem completed certification course on Core Java in June 2018.
- B.Renuka Chowdary student of VI sem completed certification course on Java in June 2018.
- P.Praveen Kumar, K.Chandra Shekar, Y.N.S.V.Gupta, G.Sri Razny, K.Manoj Kumar Varma & A.Sai Kumar students of VI sem attended a two day workshop on "Ethical Hacking and Cyber Security" organized by JNTU Vizayanagaram, in Vizayanagaram on 5<sup>th</sup> & 6<sup>th</sup> March 2018
- P. Praveen Kumar, CH.S.K.L.Tejaswi, K.Chandra Shekar Students of VI got Selected for Ethical Hacking and Cyber Security Internship in Spyry Technologies Bangalore in June 2018.
- P.M.A.Sumathi won the 1<sup>st</sup> prize in Youth Talk 2k18 organized by Swarnandhra Institute of Engineering & Technology on 23<sup>rd</sup> March 2018.
- T. Kranthi Kumar, A.Sai kumar, K.Manoj Kumar, K.Vijaya Lakshmi won the 1<sup>st</sup> Prize in District level Cyber Security Summit at Novtel Hotel, Vizag from 26<sup>th</sup> to 28<sup>th</sup> April 2018.
- P.M.A.Sumathi won the 2<sup>nd</sup> prize in Elecution competition organized by Swarnandhra Institute of Engineering & Technology on 8<sup>th</sup> March 2018.

**Academic Toppers**

K.V.Lakshmi  
VI Sem (9.22)  
15A21A1215



CH.S.K.L.Tejaswi  
IV Sem (8.96)  
16A21A1213



S.Sucharitha  
IV Sem (8.96)  
16A21A1247

**Alumni's Voice**

Ms.T. Sravani, 2008-2012  
Consultancy in Tech Mahindra, Hyderabad

I am grateful to the management for providing opportunities to participate in various activities with great academics.

**Student's Voice**

I acknowledge that my knowledge has been enriched due to my association with our department. I am grateful to the entire faculty as they guided me to get the knowledge in all aspects by conducting valuable classes to face competitive exams.

Mr. A T V V S ABHISHEK  
Rg No. 16A21A1211

"The number of benefits in information technology is that it empowers people to do what they want to do"  
Steve Ballmer



# DEPARTMENT OF SCIENCE AND HUMANITIES

**Vision**  
improve knowledge of basic sciences besides, enhancing communication skills the students

**Mission**  
To develop language proficiency of the students by focusing on LSRW skills.  
To enrich mathematical and scientific knowledge of the students in maths, physics and chemistry  
To learn ethical and social awareness by studying Ethics and Environmental Sciences

## Faculty Focus:

**Mr. K. Koteswara Rao**, Asst. Prof. participated an International conference on "Applied Science & Technology (ICAST-2018)" in SRKR Engineering College (Autonomous), Bhimavaram, AP, held on 24<sup>th</sup> & 25<sup>th</sup> January, 2018.

**Mr. K. Koteswara Rao**, Asst. Prof. who has been awarded the degree of Master of Philosophy (M.Phil.) in physics on "Preparation and Characterization of N<sub>2</sub>-Doped CdTe Nanoparticles" in May, 2018.

**Mrs. P.L. Rama Kameswari**, Asst. Prof. presented a paper entitled 'Some Generating Functions of Generalized Hyper Geometric 2d Polynomials by Lie Group Theoretic Method' in International general of pure and applied mathematics, volume 119 No. 11, 2018, 403-411.

**Mrs. P.L. Rama Kameswari**, Asst. Prof. presented a paper entitled "Generating relations of two variable Generalized Hyper Geometric Polynomial by Lie group periodic method" in journal of advanced research in Dynamical & Control Systems, vol 10, 07 - special issue - 2018

**Dr. Zehrabi** presented a Research paper entitled "Throbbing between Two Lives with special reference to Rohinton Mistry's 'Swimming Lessons' from Tales from Firozsha Baag" in an International Conference on Rise of Indian Literature and Global World organized by Andhra Loyola College in collaboration with (ISCS), Vijayawada, India from 14-16 March 2018.

**Dr. Zehrabi** published a Research paper entitled "Throbbing between Two Lives with special reference to Rohinton Mistry's 'Swimming Lessons' from Tales from Firozsha Baag" in New Directions in Postcolonial Literature, ISBN 978-81-936088-6-9. Anu Books, Delhi, 2018.

**Dr. Zehrabi** Chaired Paper presentation sessions in International Conference on Rise of Indian Literature and Global World organized by Andhra Loyola College in collaboration with (ISCS), Vijayawada, India from 14-16 March 2018.

**Mrs. P. Saraswathi**, Asst. Prof. participated in International conference on Applied Science & Technology (ICAST-2018) in SRKR Engineering college (Autonomous), Bhimavaram, AP, held on 24<sup>th</sup> & 25<sup>th</sup> January 2018.

**Mrs. P. Saraswathi**, Asst. Prof. participated an International conference on "Materials for Energy and Environmental Protection" organized by the department of physics, chemistry and electronics, in Sir C.R. Reddy college (aided and Autonomous), Eluru, W.G. Dt., AP on 12<sup>th</sup> and 13<sup>th</sup> February 2018

**Dr. N.G. Praveena**, Assoc. Prof. participated an International conference on "Materials for Energy and Environmental Protection" organized by the department of physics, chemistry and electronics, in Sir C.R. Reddy college (aided and Autonomous), Eluru, W.G. Dt., AP on 12<sup>th</sup> and 13<sup>th</sup> February 2018.

**Dr. N.G. Praveena**, Assoc. Prof. participated a two day National Seminar on "Emerging Trends in Materials SCIENCE & Technology" (NSETMST-2018) organized by department of physics, Andhra University, Visakhapatnam, held on 9<sup>th</sup> & 10<sup>th</sup> march 2018

**Dr. G. Srinivasarao**, Asst. Prof. participated an International conference on "Applied Science & Technology (ICAST-2018)" in SRKR Engineering College (Autonomous), Bhimavaram, AP, held on 24<sup>th</sup> & 25<sup>th</sup> January, 2018.

**Dr. G. Srinivasarao**, Asst. Prof. submitted a paper entitled "Porous Zirconium Phosphate Solid Acid Catalysts with Variable Zr/p Ratio For vApour Phase Dehydration of Glycerol" in SRKR Engineering college (ICAST-2018) on 24<sup>th</sup> & 25<sup>th</sup> January, 2018.

**Mrs. N.N.V. Sakuntala**, Asst. Prof. published a paper entitled "Analytical Solution to Heat and Mass Transfer of MHD Flow of Visco-Elastic Fluid Over Exponentially Stretching Sheet Through Porous Medium", in International journal of pharmacy and technology on 22<sup>nd</sup> June, 2018.

**Mr. M. Ravindrababu**, Assoc. Prof. participated in International conference on "Changing Paradigms Emerging Challenges in Statistical Sciences in Conjunction with BI-DECENNIAL Convention of Society of Statistics, Computer and Applications", Organized by Department of Statistics, Pondicherry University (A Central University), Pondicherry from 29<sup>th</sup> - 31<sup>st</sup>, 2018.

**Mr. M. Ravindrababu**, Assoc. Prof. presented a paper entitled "An Empirical Study on Second Order Rotatable Designs Under Intra Class Correlated Structure of Errors" in International conference on "Changing Paradigms Emerging Challenges in Statistical Sciences in Conjunction with BI-DECENNIAL Convention of Society of Statistics, Computer and Applications, organized by DEPARTMENT OF Statistics, Pondicherry University (A Central University), Pondicherry from 29<sup>th</sup> - 31<sup>st</sup>, 2018.

## Student's voice:



I am very much satisfied with the every care taken by the faculty of Basic sciences and Humanities to impart the knowledge which is essential to pursue and gain insight into the engineering course.  
- Yatam Pavani Padma Sn, Regd. No: 17A21A05C0

## ACADEMIC TOPPERS - 2017-2018

**FIRST PLACE  
IN SEM - II**



**U. CHAMUNDESWARI**  
Regd. No: 17A21A05B0  
CGPA: 9.75

17A21A0406 CGPA: 9.69	17A21A04A9 CGPA: 9.69	17A21A0485 CGPA: 9.63	17A21A0486 CGPA: 9.63	17A21A0479 CGPA: 9.58	17A21A0539 CGPA: 9.56	17A21A0452 CGPA: 9.56
17A21A0526 CGPA: 9.44	17A21A0435 CGPA: 9.38	17A21A0476 CGPA: 9.38	17A21A0594 CGPA: 9.38	17A21A0210 CGPA: 9.31	17A21A0222 CGPA: 9.31	17A21A0555 CGPA: 9.31
17A21A05A5 CGPA: 9.31	17A21A05C0 CGPA: 9.31	17A21A0463 CGPA: 9.19	17A21A0467 CGPA: 9.19	17A21A04D2 CGPA: 9.19	17A21A05B2 CGPA: 9.19	17A21A1252 CGPA: 9.19

"Everyone thinks of changing the World, but No one thinks of changing himself" - Leo Tolstoy





Svarnakshara - *Swacharya*  
**SCHOOL OF MANAGEMENT STUDIES**  
 TODAY LEARNING TOMORROW LEADING

**Vision**

- To be recognized as contemporary, progressive and leading School of Management Studies that fosters leadership and provides exposure to all the aspiring students from various backdrops.

**Mission**

- To provide high quality and value based management education to nurture business leaders with global outlook.
- To develop knowledge driven inspiring minds and dynamic leaders for the future.
- To foster academic excellence in class room through activity based learning and instill employability.

**NEW TREND**

Six Sigma is a business management strategy originally developed by Motorola, USA in 1981. It strives to improve the quality of process outputs by identifying and removing the causes of defects (errors) and minimizing variability in manufacturing and business processes. It uses a set of quality management methods, including statistical methods, and creates a special infrastructure of people within the organization.

**Faculty Focus**

- Mr.M.ManikyaRao, Asst Professor presented a paper entitled "Impact of GST on Consumers" in a National seminar sponsored by UGC organized by the Department of Economics, Commerce & Management Studies, K.G.R.L Degree(A) & PG Courses, Bhimavaram, held on 30<sup>th</sup> & 31<sup>st</sup> Jan 2018.
- Mr.M.ManikyaRao, Asst Professor, Ch. Praveen Asst Professor presented a paper entitled "Human Resource Techniques in Digital Era Emerging Trends" in a two day International seminar sponsored by UGC organized by the Department of Human Resources Management, Acharya Nagarguna University, Guntur, on 24<sup>th</sup> & 25<sup>th</sup> Feb 2018.
- Mrs.V.Monic Persis, Asst Professor, Mrs. K.L.Sirisha Asst Professor presented a paper entitled "Human Resource Techniques in Digital age in Recruitment and Selection in Digital Age- Trends & Challenges" in a two day International Seminar sponsored by UGC, Organized by Department of Human Resources Management, Acharya Nagarguna University, Guntur, on 24<sup>th</sup> & 25<sup>th</sup> February 2018.
- Dr.Lokeswara Rao, T. Professor & HOD and Ch. Praveen Asst Professor Participated in a Two Day National Level Workshop on "Entrepreneurship & Intellectual Property Rights" organized by the Rama Chandra College of Engineering, Vatluuru, Eluru on 20<sup>th</sup> & 21<sup>st</sup> April 2018.
- Mrs. O.V.A.M Sridevi, Asst Professor passed Pre-PhD Examination from Acharya Nagarguna University in June 2018.
- Mrs.O.V.A.M.Sridevi Asst.Prof and Prof .G.V.Chalam, Department of Commerce and Business Administration, Acharya Nagarguna University Guntur published a research paper entitled "Liquidity and Volatility on Bombay Stock Exchange (An Evidence Of The Impact Of Surgical Strike By The Indian Army)" in an International Research Journal of Management Science and Technology (IRJMST) Vol:8 Issue: 8, ISSN 2250 - 1959 Pg No. 260-268, March 2018.
- Mrs.O.V.A.M.Sridevi Asst.Prof published a research paper entitled "Capital Structure and its Impact on Profitability of IFCI Ltd.," in an International Research Journal of Latest Engineering and Management Research (IJLEMR) Vol:3 Issue 6, ISSN 2455 - 4847, Pg No. 84-90, June 2018.

**Student Placements**

Around thirty students got selected in various companies such as Navata Road Transport, Cplr It Pvt Ltd, Aliens Space Station, Tikona Infonet and Tech Mahindra.



Dr. Lokeswara Rao, T. has been appointed as HOD of MBA Department on 4<sup>th</sup> April 2018.

**Academic Toppers**



K.Sai Rupa Sri  
 IV Semester  
 16A21E0026, SGPA 9.5



G. Devi Padmaja  
 II Semester  
 17A21E0012, SGPA 8.76

**Students Focus**



Dr S.Ramesh Babu Secretary & Correspondent along with prize winners Ch.Yugandhar, M Venkatesh, A Leela Siva Krishna Participated & won Prizes in MAGNUS-2018, 3<sup>rd</sup> National Level Management Fest Organised by GIET Campus Rajahmundry on 9<sup>th</sup> & 10<sup>th</sup> February 2018.



Students Received Prizes at Fest on 9<sup>th</sup> & 10<sup>th</sup> February 2018

**Alumni's Voice**



It's an immense pleasure to say that I was a part of swarnandhra. It helped me to bring out the inherent talents to meet the career requirements. I sincerely thank my faculty for encouraging me to develop professional skills.

Mr. M Ravi Kumar, (2014-2016)  
 Accounting Specialist,  
 Cognizant technology solutions, Hyderabad.

**Student's Voice**



I feel that it's my pleasure to express my voice about this college and our department, as our department strives to induce the knowledge and develop skills in the students to face the real time applications, which helped me a lot in getting a job as a Product Auditor in Navata Road Transport, Vijayawada.

Mr. JLV D Satya Sai, (2016-18 Batch)  
 MBA IV Semester, Reg no:16A21E0020

Failure is the opportunity to begin again more intelligently-Henry Ford.





**Vision:**  
Department of Computer Applications aims to generate groomed, technically competent and skilled intellectual professionals to meet the current challenges of the modern computing industry.

**Mission:**  
The department strives for building quality professional that all are committed and self-motivated with specific skills and to prepare the students for the diverse work place of the Global Environment.

The Department of Computer Applications (MCA) strives to provide quality and competency-based education through necessary infrastructure and fine-tune the younger generation to encounter the challenges ahead with courage.

**New Trends in Technology**

TensorFlow is an open source software library for high performance numerical computation. Its flexible architecture allows easy deployment of computation across a variety of platforms (CPUs, GPUs, TPUs), and from desktops to clusters of servers to mobile and edge devices. Originally developed by researchers and engineers from the Google Brain team within Google's AI organization, it comes with strong support for machine learning and deep learning and the flexible numerical computation core is used across many other scientific domains.

**Departmental Activities**

Department is planning to organize a workshop on Advanced Python Programming.

Department is encourages all the III & IV Semester students to register for online certifications courses conducted by NPTEL.

**Faculty Focus**

- Mr. A N L Kumar, Assoc. Prof., passed NPTEL course on Introduction to Modern Application Development in April 2018.
- Mr. R N D S S Kiran, Assistant Professor, participated in a Three Day Workshop on Introduction to Artificial Intelligence and Machine Learning, organized by Bennett University, Grater Noida, at Collaborating Center SRKR Engineering College, Bhimavaram, on 28<sup>th</sup> - 30<sup>th</sup> June 2018.

**Students Focus**

- students of IV Semester attended a Five day workshop on Advanced Python programming at Swarnandhra College of Engineering and Technology, during 2<sup>nd</sup> to 6<sup>th</sup> Jan 2018.

- Students of IV Semester attended a Two day workshop on Android Development at Swarnandhra College of Engineering and Technology on 28<sup>th</sup> & 29<sup>th</sup> Mar 2018.
- Students of IV Semester attended a Six day workshop on Problem Solving Skills using C organized by APSSDC at Swarnandhra College of Engineering and Technology during 23<sup>rd</sup> to 28<sup>th</sup> Apr 2018.

**Academic Toppers in 2017 -18**



B. Vasavi  
II SEMESTER  
17A21F000  
9.5 SGPA



Y. A. Lakshmi  
IV SEMESTER  
16A21F0022  
9.77 SGPA

**2015 - 2018 Batch Topper**



D Renuka Naga Devi  
15A21F003  
9.34 CGPA

**Alumni's Voice**



Mr. B. Kiran Kumar, Batch: 2009-2013  
Software Engineer, VALCO, India  
Pvt. Ltd., Chennai

The management of SCET provides not only peaceful college environment but also library and internet facilities to its students which helped me to explore new things and upgrade my skills. I am lways grateful to the management.

**Student's Voice**



Mr. Y. Sai Baba  
Reg. No. 16A21F00020  
IV - Sem

I am very proud to be a part of this department. The technical activities conducting by the department are not only interesting but also enhancing my technical and programming skills.



# Department of Nanotechnology

(Advanced Research Laboratory for Nanomaterials & Devices)

### INVITED TALK

Dr. R. S. Dubey, HOD gave an invited talk on "Electrospinning preparation of nanofibers for dye-sensitized solar cells", in International Conference on Advances in Materials & Manufacturing Engineering (ICAMME'18), at Acharya Nagarjuna University, Guntur, A.P. during Jan. 22<sup>nd</sup> - 24<sup>th</sup>, 2018.



### Ph.D. Registrations

- Mr. Y. Venkatesh (Junior Research Fellow) has registered for Ph.D. at AMITY University, Noida under the guidance of Dr. R. S. Dubey, HOD, Department of Nanotechnology.
- Mr. Srilali (ECE Faculty) has registered for Ph.D. at K.L. University, Guntur (A.P.) under the guidance of Dr. R. S. Dubey, HOD, Department of Nanotechnology.

### Journal Publications

- R.S. Dubey published a paper entitled "Temperature-Dependent Phase Transformation of TiO<sub>2</sub> Nanoparticles Synthesized by Sol-Gel Method" Materials Letters, 215, 312-317 (2018).

- S. Saravanan and R. S. Dubey published a paper entitled "Enhancement of Ultra-Thin Amorphous Silicon Solar Cell Using Dual Grating" European Journal of Advances in Engineering & Technology, 5(2), 113-117 (2018).
- S. Rajyalakshmi, T.K. Sai Ram, R. Charishma, D. Pradeep, R.S. Dubey, K. RamachandraRao and K. Samathad published a paper entitled "ESR and Energy Band Gap Studies of ZnO Nano Particles", AIP Conference Proceedings, 1992, 040025-040031 (2018).
- R.S. Dubey and V. Ganesan published a paper entitled "Visible and Near-Infrared Wavelength-Selective Dielectric Reflectors for Light Management Applications", Superlattices and Microstructures, in press, 2018.
- K. S. Patil, P. H. Zope, U. T. Patil, P. D. Patil, R. S. Dubey and G. R. Gupta published a paper entitled, Synthesis and Thermophysical Studies of Polyanilines, Bulletin of Materials Science, In press, 2018.
- R. S. Dubey and S. Subbarao published a paper entitled, Experimental Study of Rutile Crystalline Phase Titania Nanoparticles via Chemical Route, Elsevier: Materials Today: Proceedings, in press, 2018.
- D. Pradeep and R. S. Dubey published a paper entitled, "Experimental Investigation of Electrospun Titania Nanofibers: An Applied Voltage Influence, Materials Today: Proceedings, in press, 2018.

### Book Chapter Publication

- R. S. Dubey and S. Saravanan "Advances in Silicon Solar Cells", Designing of Efficient Light Trapping Structures for New Generation of Silicon Solar Cells, Springer publisher, 2018.

### Conferences/Workshops

- D. Pradeep participated on "Training Course on Recent Techniques in Microbial Biotechnology" held at Agri Biotech Foundation, PJTSAU Campus, Hyderabad, Telangana, during 24<sup>th</sup> - 28<sup>th</sup> April 2018.
- R. S. Dubey presented "Experimental Investigation of Electrospun Titania Nanofibers: An Applied Voltage Influence" in an International Conference on Advances in Materials & Manufacturing Engineering (ICAMME'18), at Acharya Nagarjuna University, Guntur, Andhra Pradesh, during Jan. 22-24<sup>th</sup>, 2018

## TRAINING DEPARTMENT

List of Seminars, Workshops Conducted During Academic Year 2017-2018

### Vision:

To evolve the students of Swarnandhra with a winning personality and stunning intelligence, and to mould them into an organized and confident professionals.

### Mission:

To develop the employability skills of technical undergraduates with their interpersonal attributes which are to be acquired by the learners during their training period.

Training & Placement Cell is the most prestigious cell in our college and it is full-fledged with diligent and talented executives who work in tandem with distinct departments of the college and the industry to build a bridge and remove the gap between the academia and the corporate world. The cell ensures that the students of B.Tech., M.B.A., and M.C.A are well trained in soft skills, life skills, and communication skills by certified trainers from reputed organizations and prepare well before they step into the job arena.

Academic Year 2018-2019

S.No	Branch	Students Strength	Seminar/Workshop/Training	Conducted by	Date	No of Days	S.No	Branch	Students Strength	Seminar/Workshop/Training	Conducted By	Date	No of Days
1	III IT & II MCA	50	Advanced Python Programming	APSSDC	2-1-2018 to 6-1-2018	4 days	24	III B Tech CIVIL	280	TOTAL STATION	Unique Survey Solutions	28-2-2018 to 5-3-2018	6 days
2	III MCA, IT	50	PYTHON	APSSDC	3-1-2018 to 7-1-2018	5 days	25	ECE A B C CSE A B C	280	COMMUNICATION SKILLS TRAINING (CRT)	IN HOUSE	16-4-2018 to 21-4-2018	5 days
3	III ECE B	68	Embedded System Fundamentals With IOT	APSSDC	4-1-2018 to 7-1-2018	3 days	26	ECE A B C CSE A B C	280	APTITUDE TRAINING (CRT)	IN HOUSE	16-4-2018 to 21-4-2018	5 days
4	III CSE B	57	GOOGLE ANDROID DEVELOPMENT-Phase 1	APSSDC	4-1-2018 to 7-1-2018	5 days	27	ALL BRANCHES, MCA	350	C Language	APSSDC	23-4-2018 to 28-4-2018	6 days
5	III ECE C	64	Embedded System Fundamentals With IOT	APSSDC	8-1-2018 to 10-1-2018	3 days	28	CSE, ECE, IT & MCA	250	JAVA	IN HOUSE	30-4-2018 to 5-5-2018	6 days
6	III CSE A	50	GOOGLE ANDROID DEVELOPMENT-Phase 1	APSSDC	8-1-2018 to 12-1-2018	5 days	29	IV B.Tech	54	Fusion 360	APSSDC- Autodesk	30-4-2018 to 11-5-2018	11 days
7	ECE, IT, EEE		IBM C	IBM	8-1-2018 to 12-1-2018	5 days	30	CSE, ECE, IT & MCA	47	JAVA (CRT 2)	IN HOUSE	28-5-2018 to 2-6-2018	6 days
8	III B Tech MECH A B C		Non Destructive Testing	VIDAL NDT	8-1-2018 to 12-1-2018	5 days	31	IV MECH	88	COMMUNICATION SKILLS (CRT-2)	IN HOUSE	28-5-2018 to 2-6-2018	6 days
9	III EEE-A	48	Embedded System Fundamentals With IOT	APSSDC	18-1-2018 to 20-1-2018	3 days	32	IV MECH	48	APTITUDE TRAINING (CRT 2)	IN HOUSE	28-5-2018 to 2-6-2018	6 days
10	III EEE-B	51	Embedded System Fundamentals With IOT	APSSDC	22-1-2018 to 24-1-2018	3 days	33	IV MECH	48	FUSION 360 (CRT-2)	APSSDC	4-6-2018 to 14-6-2018	12 days
11	III B Tech MECH C		CATIA	CPLR, FALCON	22-1-2018 to 29-1-2018	6 days	34	ECE A B C IV CSE A B C	87	COMMUNICATION SKILLS TRAINING (CRT-2)	IN HOUSE	4-6-2018 to 9-6-2018	6 days
12	II III IV		SYMPOSIUM on personality development / Vivekananda Way	Rama Krishna Math, Sitanagar Guntur Dist	24-01-2018	1 Day	35	ECE A B C IV CSE A B C	87	APTITUDE TRAINING (CRT-2)	IN HOUSE	4-6-2018 to 9-6-2018	6 days
13	II EEE	63	Embedded System Fundamentals With IOT	APSSDC	29-1-2018 to 31-1-2018	3 days	36	IV CSE C	45	ANDROID (Phase-1)	APSSDC	11-6-2018 to 14-6-2018	4 days
14	IV B.Tech		Aptitude for GATE Exam	In house	31-1-2018 to 3-2-2018	4 days	37	IV CSE A	54	ANDROID (Phase-2)	APSSDC	11-6-2018 to 14-6-2018	4 days
15	IV MECH	24	CNC LATHE	APSSDC	12-2-2018 to 17-2-2018	6 days	38	IV CSE A	54	JAVA TEST	IN HOUSE	13-6-2018	1 day
16	IV MECH	05	MECHATRONICS	APSSDC	12-2-2018 to 17-2-2018	6 days	39	IV EEE	53	C Language	IN HOUSE	14-6-2018 to 21-6-2018	8 days
17	VI Mechanical	27	MC Part Programming On Turning (CNC)	APSSDC	12-2-2018 to 17-2-2018	5 days	40	IV CSE B	57	ANDROID (Phase-2)	APSSDC	18-6-2018 to 20-6-2018	3 days
				Skill development center at VR Siddhartha			41	IV CSE C	45	ANDROID (Phase-2)	APSSDC	18-6-2018 to 20-6-2018	3 days
1	III B Tech MECH A		CATIA	CPLR, FALCON	14-2-2018 to 22-2-2018	6 days	42	All Final CRT & MCA Students	180	COMMUNICATION SKILLS	Mc Daniel	18-6-2018 to 23-6-2018	6 days
1	II B.Tech CIVIL	CAD	Design labs Secunderabad	19-2-2018 to 23-2-2018	6 days		43	IV ALL BRANCHES	140	C Language (CRT-2)	APSSDC	21-6-2018 to 26-6-2018	6 days
20	SKET ECE CSE Faculty		Faculty Development Program	CISCO	21-2-2018 to 24-2-2018	4 days	44	II MCA, II MCA	46	PYTHON	APSSDC	21-6-2018 to 27-6-2018	6 days
21	IV B.Tech Mechanical	11	Essentials for NX Designers	APSSDC	26-2-2018 to 3-3-2018	6 days	45	All Final CRT	550	ONLINE ASSESSMENT TEST	IN HOUSE	27-6-2018	1 day
				Skill development center at VR Siddhartha									
22	IV MECH	14	ROBO STUDIO	APSSDC	27-2-2018 to 3-3-2018	5 days							
				Skill development center at VR Siddhartha									

"A positive attitude causes a chain reaction of positive thoughts, events and outcomes. It is a catalyst and it sparks extraordinary results." - Wade Boggs



# SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

(State Board of Technical Education and Training)  
(II Shift Polytechnic)

**Vision:**

To provide the society with Center of Learning in Technical Education and Research that motivates the students to evolve into dynamic professionals.

**Mission:**

- Providing quality education, student centered teaching Learning process and state of the art infrastructure for professional aspirants hailing from both rural and urban areas.
- Evolving this organization into a center of Academic and Research Excellence
- Imparting Technical Education that encourages independent thinking develops strong domain knowledge and positive attitude towards holistic growth of young minds.

**NEW TRENDS**

The future of VR and big data will play a vital role in the evolution of building design. Immersive VR empowers architects to make data-based decisions before the concrete is poured, and behavioral modeling promises to yield rich information about how a building will really be used means more efficient buildings with less maintenance costs.

**Student Focus**

- G.S.Ravikiran final year student of DEEE won 1<sup>st</sup> Prize in discuss throw at district level south Indian sports champion ship athletics held at Haryana on 4<sup>th</sup> January 2018.
- A.Veera Babu final year student of DEEE won a gold medal (State level) and silver medal (National level) in 400 meters running and High jump at south Indian sports champion ship athletics held in Haryana in January 2018.
- T.R.V.Satyanarayana Murthy final year student of DEEE won Cricket Match Student Olympic International Cricket Tournament at Haryana on 4<sup>th</sup> January 2018



G.S.Ravikiran  
(DEEE)  
Prize in discuss  
throw



A.Veera Babu  
(DEEE)  
gold medal (state level)  
in 400 meters Running  
Silver medal  
(national level) in high jump



T.R.V.S.Murthy  
DEEE  
Winner in student  
Olympic  
international cricket

T. Pranay and P. George Victor 3<sup>rd</sup> year students of DME presented Mini hydrogen generator project in Polyfest-2k18, held at Seetha Polytechnic, Chikmagalur they got selected in state level poly Fest in March 2018.

J. Lakshman and N. Avinash 3<sup>rd</sup> year students of DME presented a Mini Agro Machine Project in Polyfest-2k18, held Seetha Polytechnic, Chikmagalur they got selected in state level poly Fest in March 2018



Mini Hydrogen Generator



Mini Agro Machine

Project Expo at poly fest



D.Madhu varma  
17258-CM-007  
DCME(I Year)



Y.Pavan puthra  
17258-EC-039  
DECE(I Year)



A.Sesha Giri  
17258-EE-001  
DEEE(I Year)



M.Narayana Murthy  
17258-M-057  
DME((I Year)



B.Sandhya Sri  
16258-CM-004  
DCME(IV Sem)



B.Naga Sailaja  
16258-EC-011  
DECE(IV Sem)



K.Satya Sai  
16258-EE-021  
DEEE(IV Sem)



D.Sai Kumar  
16258-M-020  
DME-A(IV Sem)



P.H.Divya Eswari  
15258-CM-024  
DCME(VI Sem)  
93.8%



V.S.Ramanvitha  
15258-EC-054  
DECE(VI Sem)  
94.1%

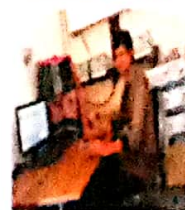


D.S.Praveen  
15258-EE-009  
DEEE (VI Sem)  
88.9%



Ch.Kishore Kumar  
15258-M-017  
DME (VI Sem)  
94.8%

**Alumni's Voice**



Mr. L. Durga Prasad, DECE, Technical Trainee,  
Efftronics, Lucknow branch, Batch: 2015-18

I feel proud to be a diploma student of SCET as our college provided me a platform to understand the modern trends in advanced society. The training programmes conducting in the campus were helped me to strengthen my abilities.

**Student's Voice**



Our college provides not only high quality education but also implements student centered teaching learning programs apart from academics. Our college provides not only opportunities to develop communication skills but also conduct workshops and industrial visits.

Mr. Adabala Karuna Kumar  
16258-EC-004, V Sem DECE.

Education is the most powerful weapon which you can use to change the world.- Nelson Mandela



## Jan- June 2018 Placement details

S No	Name of the Company	Drive Date	ECE	EEE	CSE	MECH	CIVIL	MCA	MBA	DCME	DECE	DEEE	DME	No. Of Students Placed
1	Vedant (Soctronics Technologies Pvt. Ltd.)	3/1/2018												-
2	Elintys Technologies India Pvt. Ltd.	5/1/2018	2		2									-
3	Saharamaaya Technologies	6 & 8 /1/2018	10		12			1						5
4	RCBSI	20/1/2018												22
5	Rythmos India Pvt. Ltd.	20/1/2018												-
6	SmartDV Technologies India Pvt.Ltd.	20/1/2018	3		2									5
7	Skypro Technologies Pvt. Ltd.	20/1/2018	1											1
8	Code Lantra Tech Solutions Pvt. Ltd.	3/2/2018	6	1	4									11
9	Amara Raja Batteries Pvt. Ltd.	4/2/2018	1											1
10	Navata Road Transport	6 <sup>th</sup> & 7 <sup>th</sup> /2/2018												-
11	Saharamaaya Technologies	7/2/2018							5					5
12	DXCor Hardware Technologies Pvt. Ltd.	8 <sup>th</sup> & 9 <sup>th</sup> /2/2018	12	1	8									21
13	Alleys Developers Pvt.Ltd.	11/2/2018	1											1
14	In22 Labs, unit of Unwind Learning labs Pvt. Ltd.	15/2/2018	1		1		2		5					9
15	Jaimin Infotech Pvt. Ltd.	16/2/2018							5					5
16	Efltronics Systems Pvt Ltd (for diploma)	17/2/2018	1											1
17	Centum Electronics Limited	19/2/2018									12	19		31
18	Aptroid Technologies	20/2/2018												-
19	AXIS Global Automation Group Of Companies	21/2/2018	5	4		3								12
20	R-HUB TECHNOLOGIES LLP.	23/2/2018			1		16							17
21	Maintec Technologies Pvt. Ltd.	25/2/2018	6	1	3	2								12
22	Focus Academy for Career Enhancement	1/3/2018	1											1
23	HDFC Life	6/3/2018	1			1								2
24	RAMTeCH	7/3/2018		9		37								46
25	GGK Technologies	10/3/2018												-
26	Infosys Limited	10/3/2018												-
27	Jindal Electric & Machinery Corporation	10/3/2018		4										4
28	Wisdom Resource Management Pvt.Ltd.	10/3/2018									9	12	46	67
29	HDFC Bank	10/3/2018												-
30	Navata Road Transport Ltd.	10/3/2018												-
31	Axis Bank	10/3/2018							2					2
32	Eureka Forbes Ltd.	10/3/2018									1		1	2
33	Gesco Pvt.Ltd.	10/3/2018												-
34	ICICI Bank	10/3/2018												-
35	Subhagruha Projects (India) Pvt. Ltd.	10/3/2018											3	3
36	Heritage Foods Ltd.	10/3/2018												-
37	INNOV Source	10/3/2018												-
38	KB Constructions	10/3/2018												-
39	Dhanush Engg Services India Pvt. Ltd.	10/3/2018												-
40	Lenimbus Nutrition International Pvt.Ltd.	10/3/2018	1	5			1				4		23	34
41	Hinduja Global Solutions	10/3/2018												-
42	Swagatham Resource Management Pvt.Ltd.	10/3/2018				1								1
43	L & T Finance Ltd.	10/3/2018							1					1
44	CMI Pvt.Ltd.	10/3/2018												-
45	Spandana Sphoorty Financial Limited	10/3/2018												-
46	Genpact	10/3/2018												-
47	Chakravarthy Constructions (Chakravarthy Groups)	10/3/2018												-
48	Young Creators Media	10/3/2018												-
49	Sinotruk International Co.,Ltd.	10/3/2018												-
50	VirtusaPolaris	17/3/2018												-
51	SUTHERLAND GLOBAL SERVICES	17/3/2018	4											4
52	Infosys Limited	20th & 21st/3/2018			1	1								2
53	EPAM Systems Pvt..Ltd.(Formerly Alliance Global)	20/3/2018												-
54	Tikona Infinet Pvt. Ltd.	21/3/2018							1					1
55	Matrimony.Com Ltd.	24/3/2018							2					2
56	MOLD-TEK Technologies Ltd.	24/3/2018												-
57	J.K. Fenner (India) Limited	28/3/2018		2		5								7
58	Asahi India Glass Ltd.	29/3/2018				1								1
59	Mindtree	8/4/2018												-
60	S&P Global(Formerly Capital IQ)	10/4/2018												-
61	Texmo Industries	7/5/2018				5								5
62	HCL Technologies Ltd.(APITA)	10/5/2018	1		1									2
63	Puzzolana Machinery Fabricators (Hyderabad) LLP	3rd & 4th /5/2018				2								2
64	Infosys Limited	13th&14th /5/2018				1		1						2
65	Cognizant Technology Solutions India Pvt. Ltd.	17 <sup>th</sup> -20th /5/2018	1		1									2
66	Think & Learn Pvt. Ltd.(BYJU'S)	25/6/2018												-
	<b>Total</b>		<b>58</b>	<b>27</b>	<b>36</b>	<b>59</b>	<b>19</b>	<b>2</b>	<b>21</b>		<b>26</b>	<b>31</b>	<b>73</b>	<b>352</b>



# EXTRA-CURRICULAR AND SOCIAL SERVICES ACTIVITIES



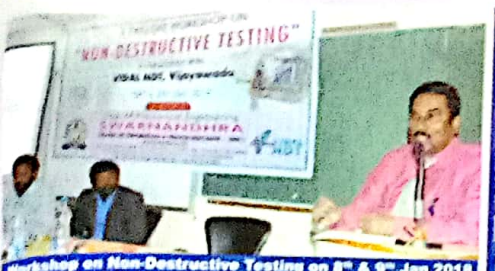
Workshop on Advanced Python during 2<sup>nd</sup> & 9<sup>th</sup> Jan 2018



ACHIEVER'S DAY CELEBRATIONS



CISCO Training programme on 21-2-2018



Workshop on Non-Destructive Testing on 8<sup>th</sup> & 9<sup>th</sup> Jan 2018



Personality Development Programme by R. Rajesh Murthy



Inauguration of Project Expo on 10<sup>th</sup> March



Workshop on Android App Development on 23<sup>rd</sup> & 24<sup>th</sup> Feb. 2018



Job Fair on 12-2-2018



Sport Competition on the Eve of Sankranti Sambharo in the Campus



NSS Volunteers Survey during Special Camp on 26-2-2018



Helmet Usage of Helmet Awareness Programme on 27-02-2018



Students in Paintings Photography Club



Health Awareness Programme by NSS Volunteers on 27-02-2018



Dental Camp on 3-03-2018



Students at International Yoga Day on 21-6-2018



Students at International Yoga Day on 21-6-2018



Free Eye Check Camp on 1-3-2018



Student Olympic National Games in Maryana, winners with Secretary & Correspondent



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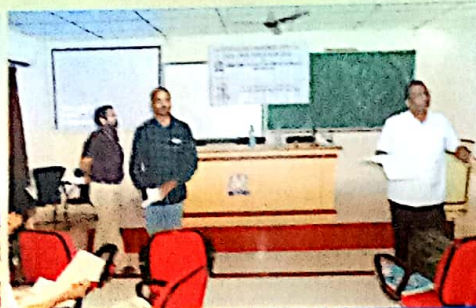
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## EXTRA-CURRICULAR AND SOCIAL SERVICES ACTIVITES



International Women's Day Celebration on 8-3-2018



Entrepreneurship Awareness Camp on 30<sup>th</sup> & 31<sup>st</sup> Jan. 2018



Personality Development Symposium on 24<sup>th</sup> & 25<sup>th</sup> Jan. 2018



BOS Meeting in MBA Department



BOS Meeting in CSE Department



BOS Meeting in IT Department



BOS Meeting in ECE Department



BOS Meeting in EEE Department



Republic Day Celebrations on 26th January



NSS Volunteers Service at Anna Samaradhana at Anterpeddi on 31-1-18



Blood Donation Camp on the eve of NTR Vardanthi



NSS Volunteers in Swachh Bharat