

ABOUT THE INSTITUTION

The A.G & S.G. Siddhartha Degree College is located at Vuyyuru, 25 km from Vijayawada and is spread over 14 acres of lush green land scape spotted with orchards and groves. At A.G & S.G. Siddhartha College, the focus is on well-balanced approach to industry-oriented academics where the most sophisticated infrastructure is supported by a dedicated team of well qualified and experienced faculty. There are good number of Ph.Ds among the staff, all working with dedication and rendering service to secure creditable results. The management too is actively involved in every aspect of the student’s progress and career.

The CSS and Placement department is full-fledged headed by a true Professional and full time faculty imparting soft skills. The College is aiming to achieve 100% placement this academic year. It has tied up with several public sector and Multinational Companies. All laboratories are equipped with state of the art facilities. The library has over 20126 books spanning 3000 titles, over 100 journals and magazines with full-fledged digital library. Lot of research is going on in all the departments in the college.

ABOUT THE DEPARTMENT

The department has acquired technical expertise over the years in the field of thin films science and technology and functional materials, which plays a pivotal role in the emerging areas of Nanoscience and Nanotechnology. With this expertise, it is planned to organize a Inter National Seminar to inspire and motivate undergraduate students to pursue a career in the exciting field of Material science and Nanotechnology.

With this perfect blend of industrial exposure, coupled with good technical base, our students have made a presence in various technological domains in all the top-level industries. Another fact that catapults the fame of the Department to great heights is the strong bond among the students, Professors and Alumni.

The Department of at A.G & S.G. Siddhartha College offers an Undergraduate Programmes & Post Graduate Programmes. The Department has well qualified faculty and good laboratory facilities. All the laboratories are well equipped with state of the art experimental sets, both in quality and quantity, which brings the number of Students two per batch.

HOW TO REACH VUYYYURU?

Vuyyuru is well connected by road, rail and Air. It is well connected to the rest of the country by National Highways. Vijayawada Railway Junction is the largest railway junction on the south central railway network. It is also well connected by Air. The domestic Airport is at GANNAVARAM, about 25km from the Seminar venue, connects Vijayawada to Hyderabad, Bangalore, Chennai, New Delhi. Workshop venue is located about 25km from Vijayawada Railway Station and Vijayawada A.P.S.R.T.C. Bus Stand. RTC Buses are available from Railway Station to reach the Seminar Venue.

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Theme of the Seminar:

Mankind faces daunting energy challenges in the 21 st century, i.e., its over - reliance on the quickly diminishing fossil fuel - based energy sources and the consequent negative impacts to the global environment and climate. Although evolutionary improvements in existing technologies will continue to play important roles in addressing some of the challenges, revolutionary new technology will be the key to a clean, secure and sustainable energy future. Nanotechnology, by manipulating matter at the nanoscale with unprecedented accuracy, holds the promise of providing new materials with distinctly different properties. In recent years, breakthroughs in nanotechnology, especially in their applications in the energy sector, have opened up the possibility of moving beyond our current alternatives by introducing technologies that are more efficient, environmentally sound and cost effective.

Nanotechnologies are not tied exclusively to renewable energy technologies. While researchers are exploring ways in which nanotechnology could help us to develop energy sources, they also develop techniques to access and use fossil fuels much more efficiently. Corrosion resistant nanocoatings, nanostructured catalysts, and nanomembranes have been used in the extraction and processing of fossil fuels and in nuclear power.

There is no silver bullet – nanotechnology applications for energy are extremely varied, reflecting the complexity of the energy sector, with a number of different markets along its value chain, including energy generation, transformation, distribution, storage, and usage. Nanotechnology has the potential to have a positive impact on all of these – albeit with varying effects.

In the short term, energy nanotechnology is likely to have the greatest impact in the areas of efficiency of photovoltaics (among renewables, solar has by far the biggest global energy potential) and energy storage where it can help overcome current performance barriers and substantially improve the collection and conversion of solar energy.

The main aim of this seminar is to expand the fundamental knowledge and show the importance of this fascinating subject to the young generation through the participants and to show the advancements made by Nanosciences as well as technology and how Governments and major corporations around the world have been committing billions of funds for the advancement of this ever growing field.

Proposed Topics:

- 1. Nano Chemistry
- 2. Computational Nano Technology
- 3. Nano Materials for energy storage and energy saving
- 4. Recent innovations in Nano Chemistry

Venue:
Seminar Hall
A.G&S.G. Degree Siddhartha College of Arts & Science
(Autonomous) Vuyyuru - 521165,
Andhra Pradesh, India.

UGC
SPONSORED ONE DAY
INTERNATIONAL SEMINAR
ON

TECHNOLOGIES & INNOVATIONS FOR SOCIETAL
ADVANCEMNT (TISA-2018)
(20th December, 2018)

Under Aegis of
APAS, Amaravathi
SAGTE, Vijayawada



Organized by

Department of Chemistry (P.G & U.G)
Adusumilli Gopalakrishnaiah & Sugarcane
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ACCOMODATION:
Will be provided in the local hotels with tariff rates ranging from Rs.750/- to Rs.5000/-

Registration Fee:

Faculty : Rs.300/-
Students : Rs.150/-
Industry : Rs.600/-

REGISTRATION FORM

1. Name:_____

2. Designation:_____

3. Qualification:_____

4. Institution:_____

5. Professional Experience:_____

6. Areas of interest:_____

7. Address for Correspondence with email &
Phone No: _____

DECLARATION

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the programme.

Signature of the Applicant

Place:
Date :

Address for Correspondence:
Organizing Secretary
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