



# GUSAC

[GITAM University Science & Activity  
Centre]



*About:*

## GUSAC - GITAM University Science and Activity Centre

The GUSAC team is privileged to invite the students across the GITAM University. After putting in continuous several untiring efforts we have been successful in launching a Science and Activity Centre at GITAM University;

**Motto:**

*"It's not what you know; it's what you do with what you know".*

Our main objective is to integrate knowledge and transfer the same to students. GUSAC provides an exclusive platform to the "Budding Future" by nourishing their creativity. It will unleash the genius within them and capacitate them to implement their ideas in numerous problems arising in the world.

A fresher aims to attain his/her goals during his/her tenure in the university. GUSAC provides scope for students like these by imparting knowledge through classes, friendly seminars, practical assignments; it also enables them to build a team for participating in fests and assists them with the required infrastructure to make their projects, besides creating a platform for the student research.

**Benefits of GUSAC:**

- It creates an environment for interested students to evenly space out and implement their ideas.
- Many students who have potential and are interested in participating in various events fail to do the same, may be due to lack of proper inter-

departmental knowledge and freedom to put forth their ideas. This Centre fills these gaps and provides better prospects for the students of GU.

- Students will be exposed to national level competitions and are provided with a platform to put forth their projects and to gain recognition for their work.
- Most of the projects aimed at will be targeted towards nation-building, to help the needy and the disabled.

### **Stepping Stones to Success:**

- A student gathering will take place every week to discuss their interests and recent trends in Management, Science and Technology.
- Students will work on their projects and ideas with freedom and utilities.
- Experienced students will give friendly seminars and problem statements will be given to students as practical assignments to enhance their engineering skills.
- Events like expos, seminars, fests and workshops will be conducted on a regular basis and representatives from the industry as well as academic circles like IIT will be invited to these events.
- Faculty members who are interested in sharing their knowledge will always be welcome to do so in any of the aforementioned events and gatherings.
- Students will be informed about the fests, events, industrial visits, internships to retain the practical approach of curriculum.
- The centre will be visiting schools nearby to have chalk talks with the kids and also will give them a privilege to showcase their ideas. The interested ones will be called upon to the university to have a look at our projects and ideas. ***If the chords of ingenuity have struck right, why not unearth the Einstein within you???***

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GUSAC is a dream come true for many students of GITAM University. GUSAC organised its inaugural function on 22<sup>nd</sup> July 2011 with the start of a new academic year and with the aim of imparting knowledge to all through different means. The team GUSAC follows a motto

*“It’s not what you know; it’s what you do with what you know”*

The motto which inspires each and every student to think beyond their course modules and gaining heights in the world of empirical engineering and sciences through hard work and determination.

**Journey to the inaugural!!**

We had an idea in mind to set up a platform for the budding and the ingenious students of GITAM University and then the idea plugged into our brains to initiate a science and activity centre for the students to park their splendour and showcase their inventiveness.

Then we got the opportunity to grandstand our technical talent in front of the NAAC committee which visited our prestigious university in May, 2011. Making full use of the opportunity we presented an expo of models and ideas and received a positive response from the NAAC peers and eventually the team had our first step of success towards initiating GUSAC.



Later the start of the new academic year brought us good response from the administration which acknowledged the GUSAC proposal and provided the team with a huge hall to perform team activities.

Going by the first event organized by GUSAC

On **June 25<sup>th</sup>** was the '**FS on contraptions**' –  
It was a technical session to teach students  
the theory behind contraptions which would  
be show cased in the Inaugural.



Followed by a two day Friendly Seminar on  
**Wireless Communication and Automation**  
with the help of Harish 3<sup>rd</sup> year student of IIIT-  
H with a strength of 70 – 80 students in each  
session.



Later GUSAC went on to organize friendly  
seminar on '**Ethical Hacking** on 27<sup>th</sup> June, 2011  
with a strength of 80-100 students.



GUSAC goes green on July 5<sup>th</sup> by organizing '**FS  
on Green economy and sustainable  
development**' which was taken by CLEAN and  
ECO-YOUTH as an awareness program.  
Strength rose to 60.

### **17<sup>th</sup> July - Trip to Srikakulam:**

It was time for Team GUSAC to undertake Socio-Techno project to reach the needs of the farmers of a village in Srikakulam district. The aim was to setup a Hydel-Powered Pump for irrigation.



### **22<sup>nd</sup> July - Project Contraptions:**

'Contraptions' is the main theme of GUSAC's inaugural. Many teams from various branches have actively participated by showcasing extravagant contraptions. There were 6 teams displaying their contraptions sat the inaugural.



### **25<sup>th</sup> July - Mahindra Auto Quiz:**

A session prior to Mahindra quiz on Automobiles was organized to enlighten the students about the trends and technologies in automobile industry, which ultimately gave us fruitful results by securing 1<sup>st</sup> and 2<sup>nd</sup> positions in the University.

### **30<sup>th</sup> July - FS on Branch Orientation and PA-1:**

It is said that obtaining knowledge about the branch is more important than getting a degree. Taking it as a main objective, GUSAC organized a friendly seminar especially for the first and second years to have a better knowledge about their respective branches. An excellent strength of 350 to 400 students was observed and it was followed by a practical assignment in which students were asked to throw a chalk piece from the top floor of a building



and the one which reaches the ground in maximum time of flight without any breakage wins the event. Around 100 students actively participated in the event.



### **3<sup>rd</sup> August - FS on Water propulsion Rocketry:**

Considering Water rocketry to be the latest trend in technical world, GUSAC organized a friendly seminar on Water propulsion rocketry which was attended by 60 students.

### **6<sup>th</sup> August - workshop on Photoshop, FS on NASA trip and PA-2:**

Team Illuminati enlightened students about their trip to NASA concentrating on all aspects in humanities and engineering disciplines.

GUSAC takes no back seat in enhancing creativity skills for their students. Therefore a session was conducted with an aim to teach animation and creative thinking, which was ultimately followed by a practical assignment on water propulsion rocketry.

### **7<sup>th</sup> August - I Matter March:**

“Do you care? Do you believe? Do you MATTER?” was the quote, which echoed in the city of Visakhapatnam on August 7<sup>th</sup> 2011. History was made when a part of the city converged on roads marching in high spirits to create awareness in the people against the drastic rise in carbon footprints, deforestation and to support the ultimate aim of “GO GREEN”.



“Clean-IN” and “ECOYOUTH”, the two prominent organizations of Vizag took initiative and planned the event before two months and after continuous efforts the result was the overwhelming flow of people at the march to support the cause. The march was planned on Friendship day. It was an amazing concept of making ‘FRIENDS WITH TREES’ Saplings were exchanged as a token of friendship.

GUSAC members were an integral part in this march. The volunteers pumped up the students by shouting IMATTER slogan. The march ultimately ended up at Kali temple with great enthusiasm, integrity and moral liftment up with the words “I Believe”, “I care” and “I Matter”

### **9<sup>th</sup> August - Rally on Youth day:**

As we all know that the year 2011 is known as the international year for conservation of forests, on the eve of Youth Day, GUSAC team members arranged a rally within the campus to support conservation of forests. The rally was flagged off by the Honourable Vice-Chancellor of GITAM University Prof.G.Subrahmanyam in the presence of the Principal GIT Prof.D.Prasada Rao; Registrar Prof.M.Potharaju; Director of Student Affairs Prof.C.Dharmaraju. The rally started at Chandrahas I.T Bhavan and stretched up to Vinayaka Temple. A large number of students from various departments participated in this rally. A poster was arranged so that each and every student of GITAM University could sign it. Students and faculty of various departments of University were made aware of the importance of forests; how they affect our future generations. GUSAC only wants everyone just to contribute by planting saplings in forest area and conserve forests.

### **18<sup>th</sup> and 19<sup>th</sup> August -FS on How stuff works:**

There are many mechanisms which happen around us in daily life. As an engineer, we need to know about every mechanism which we use in day to day life. GUSAC conducted a session on how stuff works in which every mechanism dealing with cyber world and daily life mechanisms were explained.



### **20<sup>th</sup> August - FS on Basic Electronics:**

A session on basic electronics was conducted by GUSAC to enlighten the students about the basic concepts of electronics which happens to be an essential part of an engineer's life and also has widespread utility in layman's day to day life.

### **23<sup>rd</sup> August - FS on orientation to national and international technical fests:**

Keeping in view the oncoming season of fests, seminars and conferences, a special FS was held to familiarize the students about various competitions and activities and also the benefits of attending them.

### **30<sup>th</sup> Aug -FS on Basics of Thermodynamics (IC ENGINES) -**

To bring students into the fast lane a session was held to teach thermodynamics and especially engines of various automobiles as GUSAC believes that students should have the technical know-how of the vehicles that they drive.

### **1<sup>st</sup> Sept -FS on rover mania-**

This was a session on how to make a rover for the event ROVER MANIA which was scheduled later in the month. Response for this session was overwhelming.

### **2<sup>nd</sup> Sept-FS on C, C++ (CRT)-**

Keeping the placements in view, GUSAC conducted a CRT session for the final years, training them in C, C++, one of the most coveted prerequisites for a software job. Strength: 50-60.

### **3<sup>rd</sup> Sept -FS on Java (CRT)-**A CRT session for the final years. Strength:-60-70.

**29<sup>th</sup> October –FS on Career Guidance, Entrepreneurship and Live Projects –** An orientation session conducted by Mr. Winny Patro, Alumni of GITAM University. Strength:-70-80. In this session, Entrepreneurship was clearly explained for laymen. Incubation projects and their meaning were introduced in the session.