

G-CLIP

(GRIET Competency Level Improvement Program)

DEPARTMENT OF HUMANITIES AND SCIENCES

Objectives:

GRIET being a premier technical institution functions with the vision of blossoming into the best of institutions for engineers with attitudes, skills and knowledge so as to become an epicentre of creative solutions, take every effort to groom the students into the best professionals through G-CLIP Programme.

With the mission of imparting quality education with an emphasis on practical skills and social relevance, GRIET just not offers UG & PG Programmes but gives value addition to these programmes through all possible ways and means.

Value-Added Courses introduced for the last Five Years in Humanities and Sciences Department had encouraged the students to concentrate on technically. The below list represents the number of students benefitted over last five years.

S.No.	Value Added Courses introduced over last FIVE Years	Number of Students Benefitted
1	Certification course in Advanced Academic Center	140
2	Oxford Achiever Programme	570
3	Basic Course of Entrepreneurship	15
4	Advanced Course of Entrepreneurship	15



Photo on Certification course in AAC



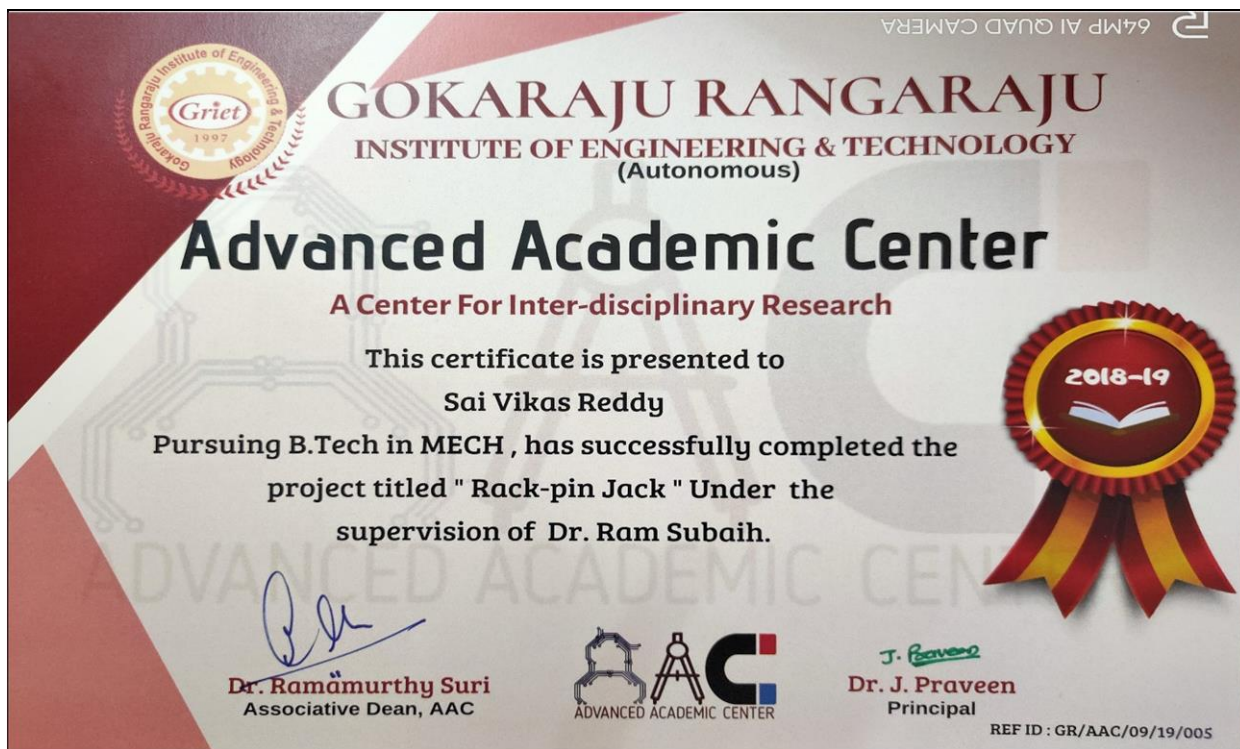
Students displaying their projects in AAC



Student displaying Project

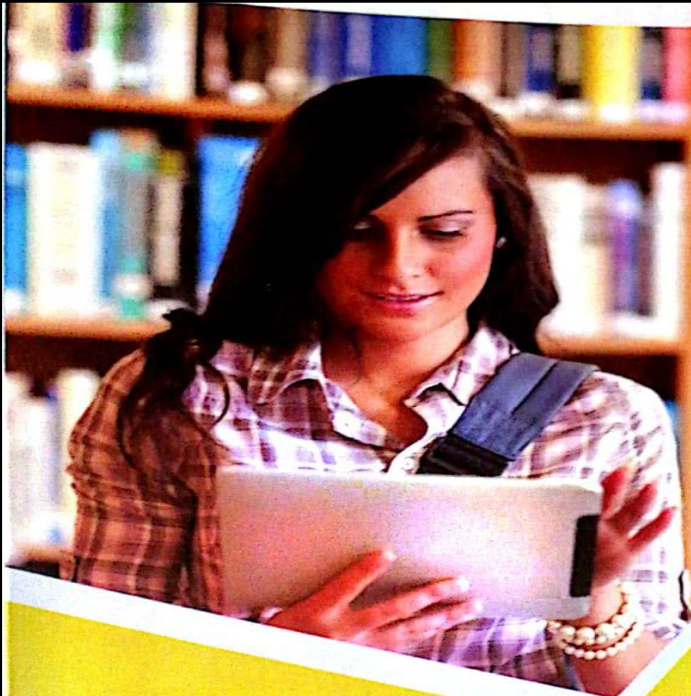


8 Faculty and 24 Senior students were involved in 47 projects- AAC CEREMONY PHOTO



AAC CERTIFICATE

Oxford Achiever, the Online English Learning & Assessment Solution from Oxford University Press aligned to the Common European Framework of Reference for Languages (CEFR). It has been designed to offset the challenges that faculty and students face in English Language teaching & learning. It is a comprehensive web-based learning and assessment system developed with the aim of building students' language skills and subject knowledge along an individualized, self-paced learning path. 737/1100 were qualified and received certificates from Oxford Press University, Cambridge. There are 36 progressive levels in 6 core skills catering to the diverse learning needs of individuals. There is a unique starting point for each learner by using a diagnostic assessment. Hence, different students of varying proficiency will have different learning paths there by mitigating the problem of a mixed classroom. Power Progress and Power Revision allows students to have unlimited access to practice exercises - this encourages learning throughout the year and continuous assessment over a long duration. There is learning material to help students prepare for English in competitive exams- Verbal Ability.



**Oxford
Achiever**

OXFORD
UNIVERSITY PRESS

Web: <https://india.oup.com/OAHE>

Oxford Achiever is a web-based English learning and assessment system developed with the aim of building students' language skills and enhancing employability along an individualized, self-paced learning path



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**Oxford
Achiever**

Certificate of Merit

Awarded to

Mr/Ms. V. Vedanth Kumar

of Gokaraju Rangaraju Institute of Engineering and Technology

in recognition of outstanding performance in Oxford Achiever.

Oxford Achiever is an online English learning and assessment system aligned to the Common European Framework of Reference for Languages (CEFR)

Date: October 24, 2019

Certificate number: GRIET/OAHE/2018-19/L7241A02B2

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Sivaramakrishnan V
Sivaramakrishnan V
Managing Director
Oxford University Press India

OXFORD MERIT CERTIFICATE

G-SRSR

(GRIET - Social Relevance and Self Reliance)

Objectives:

OBE philosophy focuses on the attainment of Program Outcomes which are essential graduate attributes, or the behaviour transformation is expected from our graduate students. GRIET, to strengthen the attainment of “Broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context” uniquely focuses on a philosophy “SRSR”.

- To promote the role of GRIET in the empowerment of communities through the activities, such as
 - **Human values, Traditional Day, Women Empowerment Programme, Blood donation, Bathukamma celebrations,**
 - **To become an Ideal Green Campus**
 - **Street-Cause, Yoga for fitness.**
- To ingrain the culture of self-reliance to create confidence in solving the problems on their own. **Self defence**

HUMAN VALUES 2018-19

The main of the Program was to give a bird's eye view about diverse dimensions of engineering and the career opportunities for the new engineering students along with the exposure to Human values. The program was conducted to draw the attention towards the challenges and problems that are to be faced at individual, family, society and nature by young technocrats. It guided them to solve many hurdles in life by acquiring right understanding, recognising the relationships, setting goals and in due course attain success by maintaining harmony at various levels.

The facilitators for the programme were a mix of internal and external resources. Various topics were covered in the induction program: human values and professional ethics, computer proficiency, English proficiency, invited talks by Mr. Yandamuri Veerendranath, Mr. B. V. Pattabhiram, Sri M.G. Sekharam, Dr M Seshagiri, Mr. K.V. Pradeep, Swami Bodhamayananda, self-defence training for girls, Yoga, games, crafts, and arts.

Human values and professional ethics were held module wise for a time of one and half hour for a week. Trained facilitators of GRIET took up the responsibility to impart these values among the emerging young graduates. This course was well received by them thus bringing in a positive mind set to be a change in the present world.

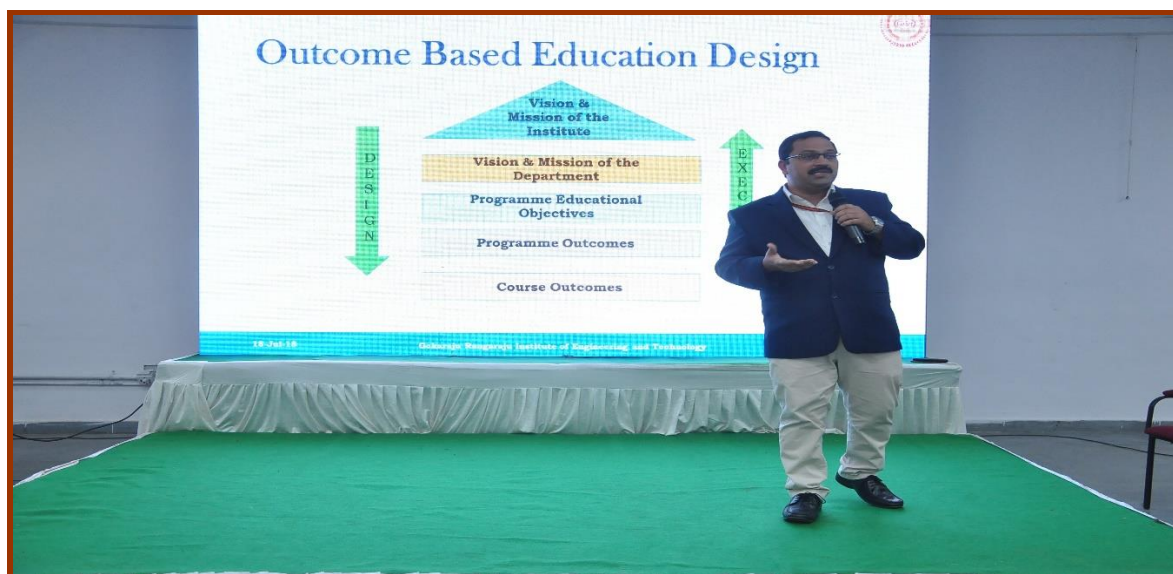
Computer and English proficiency training for a week by eligible faculty gave an exposure to basic computer programming and English which forms a platform to build better career. This skill gave them an outlook towards coding and other technical skills. The guest lecture by Mr. Ravi Thejha on 'Know Yourself' made an impact on the new learners on GRIET with inspiration filled with a hope to dream big and achieve success. His talk induced confidence in them to accept new people, new environment and in future can get best results out of genuine friendship.

Creative talk by Mr. Yandamuri Veerendranath on gaining good memory skills important to crack interviews challenged them to think differently. His real time experiences gave the students' moral lessons that are to be possessed by any generation to reach the goal. Success and failures are two faces of the same coin, a talk by Mr. Pattabhiraman was motivational as it gave space for introspection that during failures they learnt more. The self-learning encouraged by the speaker brought a positive mind set among the students.



Dr.B.V. Pattabhi Ram, Educational Phycologist addressing students in Induction Programme.





Dr.J. Praveen, Principal addressing students regarding Outcome Based Education during Induction 2018-19



Induction Programme 2018-19



Human Values Lecture for I BTech Students



Computer Proficiency Training for I BTech Students

HUMAN VALUES AND INDUCTION PROGRAM: 02 - 23 AUGUST 2019

The three-week induction program for first year students of engineering admitted during the academic year 2019-20 was conducted from 02 August 2019 to 23 August 2019. Dr. B. Srinivasa Rao, HOD - HBS and Dr. M. Sridhar, Professor of Physics was the convenor for the program along with their team took up the onus of conducting such an informative and educative program first of its kind to groom and nurture young engineering minds to become responsible citizens.

The main aim of the program was to give a bird's eye view about diverse dimensions of engineering and the career opportunities for the new engineering students along with the exposure to Human values. The program was conducted to draw the attention towards the challenges and problems that are to be faced at individual, family, society and nature by the young technocrats. It guided them to solve many hurdles in life by acquiring right understanding, recognising the relationships, setting goals and in due course attain success by maintaining harmony at various levels.

The facilitators for the programme were a mix of internal and external resources. Various topics were covered in the induction program: Human Values and Professional Ethics, Computer proficiency, English proficiency, invited talks by Dr. Yandamuri Veerendranath, Dr. B. V. Pattabhiram, Sri M.G. Sekharam, Dr. M. Seshagiri, Mr. K.V. Pradeep, Swami Bodhamayananda, Dr. K. Anuradha, Ms. Vaishali Malhotra, IAS officer, Harithaharam- Tree Plantation, Self-defence training for girls, Yoga, Games, crafts and arts.

Human Values and Professional Ethics along with Computer and English proficiency modules were held module wise from 02 - 08 August 2019. Trained facilitators of GRIET took up the responsibility to impart these values among the emerging young graduates. This course was well received by them and bringing the positive mind set to be a change in the present world.









Environmental Consciousness and Sustainability

Water Quality Analysis at GRIET

Quality of drinking water is monitored by chemical analysis daily. The source of raw water is ground water which is taken through a bore-well and processed by Reverse Osmosis method (RO) in a plant on the college campus.

The equipment used to obtain RO water is shown below:



Purification process is done in three stages by using different types of filters.

Stage 1 : sand and carbon filter

Stage 2 : micron filters

Stage 3 : R.O. membrane filters

Analysis is done on the RO water to determine the parameters of hardness, TDS and pH.

1. Hardness: Total hardness of water is measured by complexometric titration using EDTA as complexing agent and EBT as indicator of end point. This experiment is a part of the undergraduate curriculum of chemistry practicals. Hence is done by all the students in their first year. We study hardness of not only the water available on the campus but also various samples of water brought by the students coming from different parts of the Hyderabad city. In a typical measurement, hardness of raw water having a value of 400 is brought down after RO process.
2. TDS: Total Dissolved Solids is measured by TDS meter by simply dipping the small, portable digital electronic device in small amount of water sample. Electronic display directly gives the amount of dissolved solids. The concentration of dissolved solids in water alter its electrical conductivity in way that directly reflects the level of purity contributed by ionic substances in the water.
3. pH: Measurement of hydrogen ion concentration $[H^+]$ of water is shown in terms of pH measured as an electrode potential between a reference electrode and glass electrode. Corrosive nature of water can be known through the deviation from neutral pH of 7. Usual pH value of raw water is 7.5 which is brought down close to neutral 7 after RO process.

Facilities to promote Gender Sensitivity.



Girls Waiting Hall



SANITARY NAPKIN DISPOSAL MACHINE -INCENERATOR



Sanitary Napkin Vending Machine



Available of CC Camera in every classroom and Block

WOMEN EMPOWERMENT PROGRAMME

29th October 2014

Awareness programme on various policies to advance human rights for women was organised by Women development cell, GRIET. All teaching and non-teaching faculty attended the programme. Seminar on child abuse and debate is also conducted on the same day. Basic Sciences faculty attended the seminar and awareness programme.



Programme on Women safety:

A programme is conducted for women safety in association with IWN in the month of November, 2014. The programme mainly focussed on self defence techniques. Many girl students have actively taken part and being trained.



Womens Day Celebrations (2017-18)

The Women Development Cell of GRIET organized Women's day on 8 March 2018. The women faculty celebrated this day with lot of enthusiasm and fanfare. As this day marks the celebration of the economic, Social, cultural and political achievements made by women over the years, the WDC Cell has held various competitions viz.; Games and sports, literary and cultural events. As part of the celebrations, the talented and spirited women faculty of GRIET sang, danced, played and showcased their various talents. On this occasion, the WDC cell coordinator Dr V. N. Rama Devi has presented the annual report of the activities of WDC cell during the year 2017-18 and elaborated the theme of this year "Press for Progress". Director Dr. Jandhyala N.Murthy addressed the gathering and praised the women for their valuable contribution to the society as multi-tasking personalities. Principal Dr.Praveen has elevated the importance of change in society towards Gender parity. For the empowerment of women, he advised women to be in continuous learning mode and also to possess will power and confidence.





TRADITIONAL DAY

The objective of Traditional Day is to celebrate the rich and diverse culture of India. Students displayed variety of costumes which represented different regions across our country. This spread the awareness not only to preserve rich culture and tradition but also to develop respect to different cultural people they encounter in their lives.

RANGOLI COMPETITION ON RADITIONAL DAY





TRADITIONAL DAY -2018-19



NATIONAL FESTIVALS



CONSTITUTIONAL DAY



STUDENTS TAKING OATH ON SADHBHAVANA DIVAS DAY



National Youth Day



Mathematics Day

INITIATIVES FOR ECO-FRIENDLY CAMPUS



GUEST LECTURES AND TECHNICAL TALKS FOR STUDENTS



SCIENCE FOR SUSTAINABLE LIFE- TECHNICAL TALK FOR STUDENTS on 27-7-2019





THE ROLE OF CHEMISTRY IN ENGINEERING APPLICATIONS on 31-8-2019



I BTech Students as Organising Volunteers in CHALLENGE -ACT HAKATHON 11-13 OCTOBER 2019