



# **GVR&S COLLEGE OF ENGINEERING AND TECHNOLOGY**

(Approved by AICTE, Affiliated to JNTUK, Govt.of.A.P, India.)

Ganginenipuram, Budampadu, Etukuru (P.O), Guntur (Dt) – 522017, A.P, India.

E-mail: [gvrscet@yahoo.com](mailto:gvrscet@yahoo.com), website: [www.gvrs.ac.in](http://www.gvrs.ac.in)

## **7.2 Best Practices**

**7.2.1 Describe two Best Practices successfully implemented by the institution as per NAAC format provided in the manual.**

### **Best Practice-I**

#### **1. Title of the practice: Activity-Based - Learning(ABL) :**

Activity-Based-Learning is an approach where the learner plays an active role in his/her learning through participation, experimentation and exploration. It is becoming an urge for modern days learner centric, OBE system.



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## 2. Objectives:

To enhance the learning skill of the students and to impart a deeper understanding of the course. To make the students to understand the course content through application oriented projects. ABL encourages the students in teamwork where communication, collaboration and interaction skill play as an important role. It explore real time applications and challenges to understand the latest technologies that are practiced in the industries /field that is related to the course. To impart skill to address the real time problems by adopting a systematic approach and to derive a realistic solution.

## 3. The Context:

Activity-Based-Learning leads to “Self Learning” system instead of “Educator Teaching” system. Through Activity-Based-Learning, students will improve their attitudes towards

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learning and exhibit their individual talents. They understand theoretical information through practical work and develop their critical thinking on problem solving skills. ABL learning leads to the development of lab scale models by students as a part to explain the current scenario of their project or they can also develop models to forecast a suitable solution to that is relevant to their project. Activity based learning provides an opportunity for the students to visit various fields/industries pertaining to their project and also to interact with the experts in the field of interest. Learning through activity is a type of learning where students learn their ideas through various activities such as PPT's, debates, seminars, model presentations, project expose, field visits, Alumni Interaction, Group discussions and role plays.

#### **4. The Practice:**

Responsibilities of the students are assigned as per the interest, voluntary attitude of the students in conducting various activities and organizing the programs within the campus successfully which improves their strength and confidence in conducting the events. The ABL exercise is analyzed using data on the participation of students in various activities and practices and the gradual improvement in their performance. There is a common trend that can be observed about skilled students who are self motivated and confident, when they participate in intercollegiate competitions.

#### **5. Strategies for ABL:**

**Group Discussion:** Team work and knowledge sharing increase communication amongst team members. Task given to the students must required varying knowledge so that students

are bound to communicate amongst themselves. After sharing of knowledge they can conclude and take decision from their team. They also need to communicate with faculty to solve critical problems.

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**Model presentation:** Increase the ability to solve real life problems by analyzing and solving using subject knowledge, based on course topics.



**A Model Presentation on ROBOTIC CAR by GVR&SS CET ECE &EEE Students.**



**A Presentation on PROBLEM SOLVING TO ELECTRICAL MACHINE By EEE PRINCIPAL**

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**A Model Presentation on AUTOMETIC FACE RECOGNITION System by CSE Students.**



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**A Model Presentation on SRISALAM POWER PLANT by EEE Students**



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A presentation on POWER DISTRIBUTION TO HOUSE HOLD PURPOSE

**E-Learning:** Institute permit to access text books and references, project reports, magazines, course materials and e-journals

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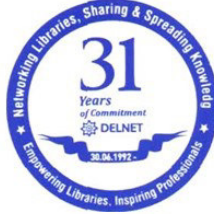
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## Digital Library and Printed journals at library



Dr. Sangeeta Kaul  
Director



## DELNET

Developing Library Network  
J.N.U. Campus, Nelson Mandela Road  
Vasant Kuni, New Delhi 110070, India  
Tel: 91-11-26742222, 26741266  
91-9810329992 (\* mobile)  
E-mail: [sangs@delnet.in](mailto:sangs@delnet.in),  
[sangs@delnet.in](mailto:sangs@delnet.in),  
[sangskaul2003@yahoo.co.in](mailto:sangskaul2003@yahoo.co.in)  
Web: [www.delnet.in](http://www.delnet.in)

DELNET/MEM/IM-10214 /ap GVRSC&T/2023

April 29, 2023

Sub: Membership of DELNET

Dear Dr. Kareemoon,

We are glad to inform you that the "C.V.R & S. College of Engineering & Technology, Budampsdu, Guntur Dick, Audit Pradesh" has been admitted as an Institutional Member of DELNET. The membership number is Inf-J66571 am herewith enclosing the receipt no. 80811 dated 29/4/2023 for T19,470/- received through NEFT dated 13/4/2023 towards the Admission Fee & Annual Institutional Membership Fee for the period 29-4-2023 to 28-4-2024 along with a duly signed copy of the MOU for your office records. I would like to mention that the next annual membership renewal will be due on April 28, 2024.

You are requested to access DELNET databases through the World Wide Web using the following procedure:  
Web Address: [btg://www.deIet.io](http://btg://www.deIet.io)

Click to "New Discovery Pasal". Since the IP address provided by you is registewd with os, the ooze e'll be gble to opea the leading page without logics prompt.

We are nlso gled to provide the following login & password for accessing DELNET remotely:

## DELNET Subscription for e - Journals.

**Seminars:** Tasks given to the students must be subjective so that they can put their views in different ways after analyzes. So that they can be engaged in doing activities in classroom.

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## Seminars

**PPT's:** Power Point Presentation as a presentations that students generally uses in corporate meetings for educational purposes such as training, induction etc.,



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**Quiz:** It helps students to be more competitive in nature and answer quickly.



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**Debating:** It increases the power of establishing the self argument in front of others.



**Alumni interaction:** The Alumni give support to the students for building strong bond between alumni and present students. It serves as a forum through which alumni may support and advance the pursuit of academic excellence at the Institution.







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## INDUSTRIAL visit of EEE Students

Field/Industrial visits: It provides combining knowledge of theoretical fundamental Principles with skills and judgment acquired from practical experiences.



INDUSTRIAL visit of KUAR PUMPS MECH Students  
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Students of ECE III-I Semester, visited 400 KV SUBSTATION at Dindi (A.Y 2021-22)



## Industrial Visit of ECE Students to MODYNE THERMAL.

**Role play:** Role play explores the effectiveness of the approach in raising students awareness of the social dimension in the engineering profession.



## Industrial Visit of CSE Students to MIRACLE

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## Skit Presentation By Students.

**Laboratory sessions:** Laboratory sessions are conducted for better understanding of Theoretical concepts.

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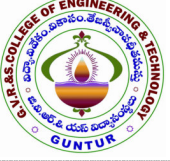
**Startups:** Students are encouraged to participate in entrepreneurship programs which develop the innovative skills among the students.



## **6. Evidence of success:**

The quantitative indicators for learners who actively participate in co-curricular activities are that they show improvement in academic performance. Students who have passed out have done extremely well in the corporate world. Some students have put their learning into application by starting their own businesses. Evidence of success of the practice includes university ranks, better results in the examinations, improved attendance, less drop outs, increased participation in co-curricular and extracurricular activities, better discipline on campus and respectful relationship between teachers and students. The students are more relaxed and have a healthy relationship with the staffs. ABL benefits on their intellect to become sharp and the capability of problem-solving increases and it supports their language capability and literacy development.

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## **PASS PERCENTAGE OF STUDENTS DURING LAST FIVE YEARS Year**

<b>YEAR</b>	<b>PROGRAM CODE</b>	<b>NUMBER OF STUDENTS APPEARED IN THE FINAL YEAR EXAMINATION</b>	<b>NUMBER OF STUDENTS PASSED IN THE FINAL YEAR EXAMINATION</b>	<b>OVERALL PASS PERCENTAGE (%)</b>
1	2022-2023	167	137	82.03
2	2021-2022	309	246	79.61
3	2020-2021	300	241	80.33
4	2019-2020	253	205	81.02
5	2018-2019	227	184	81.05
<b>AVERAGE PASS PERCENTAGE</b>		<b>1256</b>	<b>1013</b>	<b>80.65</b>

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## **Best Practice-II**

### **1. Title of the practice: Mentorship and Motivation of Students**

#### **2. Objective:**

The objectives of the practice followed by the institute are

- To improve the global quality of the students life and economy of the society.
- To improve the problem solving capacity of the students.
- To improve the student teacher relationship.
- Performance of the students should be informed to the parents or guardians by time to time.
- Guiding students to learn new methods and advising them for career.
- Helped to grown a perception of capability and precision of specification.
- Sharing of suggestions, opinion and problems on the personal or professional front.

The upcoming technologies and innovations are impart to the students by conducting workshops, guest lectures and seminars by internal and external academicians and through industrial visits are achieved by this practice to the students.

#### **3. The Context:**

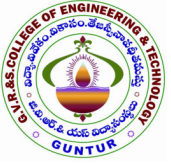
The mentorship program is conducted along with the regular academic sessions for students. The program focuses on personal and professional development. This practice is followed to motivate students and develop confidence to take up challenging tasks in their life and contribute to society in nation building. In GVR S Technology we observed that the students have a peculiar background and level of motivation when enter in college.

Students need a set amount of time to break out of their shells to face the demanding world.

Students need to be handled personally by setting appropriate goals and working on their confidence and independence. We also understand that the students be involved in challenging activities and need to provide polite feedback as and when requires.

The mentorship program was initiated with a view to share knowledge, advice and resources from mentor to mentee at GVR S Technology. The national building is possible with the help of student's involvement in economy building.

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## **4. The Practice:**

Mentorship program always strives to help mentee to achieve their professional advancement by facilitating direction, encouragement, historical abetment and motivator. The program allows for working in gray areas to discuss openly with older students and highlight the positive side of an individual. During the discussion, inputs are provided for the betterment of the consultant. In Engineering most of the students were not matured enough to take right decision in the competitive world, this practice is made to take own decision to achieve their best in life.

The mentorship program was initiated at GVRS Technology with a view to share knowledge, advice and resources from mentor to mentee.

GVRS Technology through mentorship takes care of students' academic and professional awareness as the students teacher ratio is 1:14. Unanimously, the students expressed that joining the mentorship program has given them more confidence and inspired them to make a difference in their lives. Students also expressed about the difference that had made in their academic's and personal development. Individual attention is given to students who need extra encouragement and practice to develop their public speaking, interactive, and interpersonal skills.

Some students initially said that they had their family and friends as their mentors and were reluctant to accept the concept. Some of these people were unwilling to accept the assigned mentors and took the time to open up with them. Many of times people were not ready to accept their short-comings and were not ready to work on them. The consultant gave him a hard time to work towards the activities assigned to them.

Time is a big obstacle in case of technical courses with semester system, managing time is a huge challenge mentor also explains how to manage time for both academics and nonacademic's. Mentors arrange tutorials and industrial visits to the students to gain extra knowledge in their academic life as well as for personal growth.

Mentors motivate the students to develop the connection with out-side world to improve the leadership quality and communication skills by presenting their ideology. And also mentors helped to students to set their appropriate goals to lead the better life in future.

  
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## **1. Evidence of Success:**

The mentorship program has been conducted for the last four years with necessary modifications. The success of the program is evident from the following areas of improvement.

- Increased attendance.
- Increased participation.
- Improved performance in formative evaluation.
- Reduced conflicts.
- Creates conducive environment.
- Creates positive attitude and focus.
- Improves placement record.
- Students are actively participating in all the programs and get appreciation.

The GVR&sS CETon's Institute of Engineering has taken as a challenge to place the students in reputed organizations with personal care. Many parents have also given good testimonials for supporting their wards throughout their journey to good placements and training them to being a responsible citizen. Year by year we observe a considerable increase in the placement and also the requirements in reputed companies with a very good package.

## **2. Problems Encountered and Resources Required:**

The program has been modified over-time. Some of the problems in the initial stage are as follows:

- Time-table adjustment. Time Constraints.
- Plenty of time for personal consultation.
- There is no control over background and support from home for such students.
- The mindset of the students is already ready and it takes more time to change it.

In this practice the teachers places vital role to train the students for ready to industry with vast subject knowledge and communication skills. Here, the GVR&S CETon's Institute of Engineering arranged infrastructure for mentorship the students during off-hours. To train the slow-learners the college is arranged trainers. Proceeding from these lines,

the mentorship programs incorporates a diligent and informed approach, taking student participation to the next level and making the learning environment.

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