



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

Madhurawada :: Visakhapatnam – 530048

(Approved by AICTE, New Delhi and Affiliated to Andhra University, Visakhapatnam)  
(Accredited by NBA for B.Tech-CSE, ECE and IT from 2019- 2022 and 2022-2025)

Date: 22-09-2022

## Minutes of the Meeting

1. A meeting under the chairmanship of Principal was held at 3.00 PM on 21-09-2022 in the Seminar Hall for planning the activities towards the conduct of Student Induction Program (SIP).

The following members were present in the meeting:

- (a) Dr. G. Sudheer, Convenor, SIP
- (b) Dr. K L Saiprasad, Co-Convenor, SIP
- (c) Dr. PVSL Jagadamba, HOD, CSE
- (d) Dr. RVSL Kumari, HOD, EEE
- (e) Dr. PMK Prasad, HOD, ECE
- (f) Dr. D.K. Bebartha, HOD, CSE (AI-ML)
- (g) Dr. M. Bhanu Sridhar, HOD, IT
- (h) Sri. C. Srinivas Rao, TPO
- (i) Dr. A. Suseelatha, I Year Coordinator
- (j) Dr. P. Devendra
- (k) Dr. V. Siva Jahnavy
- (l) Mr. VVV Satyanarayana
- (m) Dr. B.Rajesh Babu
- (n) Dr. Rani Prava
- (o) Dr. P Srinivas Rao
- (p) Mr. S. Ashok
- (q) Ms. B. Bharathi
- (r) Dr. T.Poornakantha
- (s) Dr. V. Usha Ramani
- (t) Dr. DAVN Ravi Kumar
- (u) Mr. R. Ramanjaneya Reddy
- (v) Ms. P. Hemalatha
- (w) Ms. R. Sridevi
- (x) Mr. A. Uday Kumar

(y) Mr. K. Nagaraju

(z) Ms. R. Anuradha

(aa) Ms. N M Gowri

2. The chairman welcomed all the members and requested Dr. G. Sudheer, Vice Principal to commence the proceedings.
3. Dr. G. Sudheer then discussed about the preparations based on the guidelines issued by AICTE. Following broad points were discussed and merit attention:
  - (a) I year coordinator Dr. A. Suseelatha was requested to coordinate the following activities as per the AICTE guidelines.
    - i. Familiarizing of inductees on the facilities available in college.
    - ii. Familiarizing the inductees about the departments.
    - iii. Planning sports and games activity in coordination with Assistant Physical director.
    - iv. Inculcating Universal Human Values.
    - v. Workshops/Sessions on Creative Arts/Culture.
    - vi. Enabling critical thinking through Fundamental Mathematics & Computation/Programming.
    - vii. Crash Courses on essential and Emerging technologies.
    - viii. Seminars on Code of Conduct.
  - (b) Student Club Executive members, Alumni, Distinguished people to be identified for the conduct of the program.
4. The I year coordinator was requested to schedule the activities in consultation with Vice-Principal and Induction Committee.

  
Convener

**Student Induction Program**

GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN  
Madhurawada :: Visakhapatnam – 530 048

Date: 20/09/2022

**INTERNAL NOTE**

To help new students adjust and feel comfortable in the new environment, help them build bond with other students and faculty members and understand the ethos and culture of the Institution a Student Induction Programme is planned as per the guidelines of AICTE.

For organizing the Student Induction Programme an Induction Committee is constituted with the following members under the Chairmanship of the principal, GVPCEW.

S.No	Name	Remarks
1	Dr.R.K.Goswami, Principal, GVPCEW	Chairman
2	Dr.G.Sudheer, Prof & Vice-Principal	Convener
3	Dr.K.L.Sai Prasad, Assoc Prof & HOD, BSH	Co-Convener & Category A Admissions
4	Dr.A. Suseelatha, Asst Prof, BSH	Coordinator for I Year and Category-B Admissions
5	Mr.C.Srinivas, Assoc Prof, IT & Training & Placement Officer	Coordinator Category-B Admissions
6	Dr.R.V.S.L.Kumari, Assoc Prof & HOD, EEE	Member
7	Dr.P.V.S.L.Jagadamba, Prof & HOD, CSE	Member
8	Dr.D.K.Bebarta, Assoc Prof & HOD, CSE (AIML)	Member
9	Dr.M.Bhanu Sridhar, Assoc Prof & HOD, IT	Member
10	Dr.P.M.K.Prasad, Assoc Prof & HOD, ECE	Member
11	Dr.P.Devendra, Assoc Prof, EEE	Member
12	Dr.B.Rajesh Babu, Asst Prof, BSH	Member
13	Ms.B Bharathi, Asst Prof, BSH	Member
14	Dr.V.V.L.Usha Ramani, Asst Prof, BSH	Member
15	Dr.T.Purnakantha, Asst Prof, BSH	Member
16	Dr.D.V.A.N.Ravi Kumar, Assoc Prof, ECE	Member
17	Mr.R. Ramanjaneya Reddy, Assoc Prof, ECE	Member
18	Dr.Rani Nanda, Asst Prof, BSH	Member
19	Dr.P.Srinivasa Rao, Asst Prof, BSH	Member
20	Mr.S.Ashok, Asst Prof, BSH	Member
21	Dr.V.Siva Jahnvy, Asst Prof, BSH	Member
22	Ms.P.Hemalatha, Asst Prof, ME	Member
23	Ms.R. Sridevi, Asst Prof, IT	Member
24	Mr.A. Uday Kumar, Asst Prof, CSE	Member
25	Mr.VVV Satyanarayana, Asst Prof, BSH	Member

26	Mr.K.Nagaraju, Asst Prof, CSE	Member
27	Dr.R. Anuradha, Asst Librarian	Member
28	Ms.N Mangala Gowri, Asst Physical Director	Member

All the faculty and staff members are requested to cooperate with the Induction Committee in ensuring that the new students have a comfortable stay in the campus.

  
PRINCIPAL

To: All the members.

Copy to:

- 1) Secretary, GVP
  - 1) Vice-principal, GVPW
  - 2) All Faculty Members
  - 3) All Heads of Departments
- } for information



## **GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN**

Madhurawada :: Visakhapatnam – 530048

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(Accredited by NBA for B.Tech-CSE, ECE and IT valid from 2019-2022 and 2022-2025)

Accredited by NAAC with A Grade from 2022-2023 to 2027-2028

### **STUDENT INDUCTION PROGRAM - 2022-2023**

#### **Objectives of the Student Induction Program:**

- ❖ To create awareness about engineering education and their chosen field.
- ❖ To help students in adapting to the new environment.
- ❖ Introduce the “Code of Conduct” of the institution.
- ❖ To promote bonding with peer groups and the faculty.
- ❖ To make the students understand the need for developing a holistic perspective of life, focus on ethical behaviour and moral fortitude.
- ❖ To help them develop teamwork and enhance creativity.
- ❖ To provide an adequate foundation in the core Applied/Engineering Science subjects and Computational aspects.

The Student Induction Program (SIP) is scheduled over a period of Three weeks from 26-09-2022 to 26-10-2022.

#### **The list of activities conducted:**

- ❖ Familiarizing inductees on the facilities available in college.
- ❖ Familiarizing the inductees about the departments.
- ❖ Inculcating Universal Human Values.
- ❖ Workshops/Sessions on Creative Arts/Culture.
- ❖ Enabling critical thinking through Fundamental Mathematics & Computation/Programming.
- ❖ Literary Activity & Proficiency Module.
- ❖ Lectures & Workshops by Eminent People.
- ❖ Fundamentals of essential and Emerging technologies.
- ❖ Peer mentoring
- ❖ Physical Activity.



## Familiarization with College, Department/Branch

Day 1 commenced with the formal welcoming of the freshers with their respective parents/guardians by Prof. G. Sudheer, vice principal. With the help of a PowerPoint presentation, Prof. G. Sudheer, introduced members of the Governing body of Gayatri Vidya Parishad, various departments of the institution, their respective HODs, faculty members.

Prof. R.K. Goswami, Principal congratulated and welcomed all the new entrants and explained about the vision of the parishad along with the vision and mission of the college. During his speech the students were explained in detail on the various infrastructural facilities, laboratories, library, student associations, curricular and extracurricular activities, clubs, and various achievements of the students. The students were outlined the code of conduct to be followed and made to understand their role and responsibilities during college life.

Students and parents were allowed to clarify their queries.





Familiarization with the departments has been carried out by the Heads of the Departments for their respective branches. The student interactions were also carried out to have a healthy atmosphere and develop senior-junior mutual interaction on the campus. The interactions took place on different days of the SIP.

## **Department of Computer Science and Engineering**

**Date: 26-09-2022, 09-11-2022**

### **Speakers:**

- 1. Dr. P.V.S.L Jagadamba**  
**Professor, Head of the Department**  
**Department of CSE**
- 2. Ms. K. Rohini**  
**Assistant Professor, Department of CSE**
- 3. Ms. D. Indu**  
**Assistant Professor, Department of CSE**

The HOD, Prof. PVSL Jagadamba, introduced to the students:

- Mission & Vision of the Department
- Faculty of the Department
- Labs in the Department.
- Department Associations and clubs
- Opportunities available on the successful completion of the course.
- Thrust areas/Domain areas of Department.

The second speaker Ms. K.Rohini, elaborated on the importance of Logic and Critical Thinking in the field of computer science. She spoke about various skills that are to be acquired by the students of Computer Science.

Ms. D. Indu has explained about the importance of developing programming skills and their significance in the field. She explained the different platforms available to test and improve coding skills. She also spoke about the different career opportunities available in the field and outlined the route maps.





## Department of Electrical and Electronics Engineering

Date: 26-09-2022, 09-11-2022

### Speakers:

1. **Dr. R.V.S Lakshmi Kumari**  
HOD, Department of EEE
2. **Dr. P. Devendra**  
Assoc. Professor, Department of EEE

The HOD, Dr. R.V.S.L Kumari, Head of the department, welcomed the students to the department and introduced them to:

- Mission & Vision of the Department
- Faculty, Staff, and labs of the Department
- Eminent Electrical Engineers of the World.
- Importance of the Branch
- Department Association and clubs.
- Opportunities for the Higher Education and Placement.

Dr. P. Devendra has explained the importance of internships and advised the students to take up mini-projects. He spoke about various methods of power generation from renewable (thermal, nuclear), non-renewable (hydel, solar, and wind) energy resources and the electrical motor technologies.



## **Department of Electronics and Communication Engineering**

**Date: 09-11-2022**

### **Speakers:**

- 1. Dr. P.M.K. Prasad**  
Assoc. Professor, Department of ECE
- 2. Dr. L. Ganesh**  
Assoc. Professor, Department of ECE
- 3. Ms. Ch. Sirisha**  
Assistant Professor, Department of ECE

The HoD, Dr. P.M.K. Prasad, welcomed the students to the department and introduced them to:

- Mission & Vision of the Department
- Faculty, Staff, and labs of the Department
- Associations and Clubs
- Thrust areas/Domain areas of Department.
- Opportunities for the Higher Education and Placement.

Dr. L. Ganesh has spoken about the required skills that the students should equip with to join the public sector units like BHEL, HPCL, RINL, etc. He insisted on the importance of acquiring a GATE rank and mentioned how the public sector companies recruit their employees using the GATE score. Dr. L. Ganesh explained the importance of student membership in IEEE and the different activities conducted by the IEEE chapter of the college.

Ms. Ch Sirisha has spoken about the opportunities for Electronics and Communication Engineering stream in the private. She insisted on the importance of acquiring a GATE rank and also mentioned how the public sector companies recruit their employees using the GATE score. She further mentioned the need for soft skills required by the students to enter into the software industry.





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## Department of Information Technology

Date: 26-09-2022, 09-11-2022

### Speakers:

1. **Dr. M. Bhanu Sridhar**  
Assoc. Professor, Head of the Department
2. **Ms. R.Sridevi**  
Assistant Professor
3. **Mr. ChVVD Prasad**  
Assistant Professor

The Head of the department welcomed the students to the department and explained:

- Mission & Vision of the Department
- Faculty, Staff, and labs of the Department
- Importance of information technology in today's world.
- Thrust areas/Domain areas of Department.

Ms. R. Sridevi spoke about the skills that are to be acquired by IT students. She advised the students:

- To Interact with members of the faculty often to get their doubts cleared.
- To get the suggestions for improving their technical and communication skills. Towards this, the students can utilize the free periods of the day.
- To take part in the coding platforms like Hacker Rank, Hacker Earth, Code Chef, etc. and to participate in coding competitions such as TCS code vita, Infosys Infyq.
- To take up mini projects from the second year.

The session was interactive, and Ms. Sridevi has clarified all the doubts raised by the students.

Mr. ChVVD Prasad has explained the latest technologies like Web Development, Data Analytics, Artificial Intelligence, etc. He also shared the information about the placement record in the department of IT.





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## Expert Talk on Fundamentals of Artificial Intelligence

Prof. MRK Krishna Rao, Professor, Department of CSE-AIML has delivered a series of lectures on "Fundamentals of Artificial Intelligence" from 12<sup>th</sup> October 2022 to 14<sup>th</sup> October 2022. The main objective these sessions is to make the students to get familiarize, how AI and its Applications are ruling the world. With an intent to tell the students about the scope of AI in the current day Technological Advancements.



## **Fundamentals of Computing Machinery and Scratch Programming**

As a part of Student induction program, the following concepts were taught by Prof. N. B. Venkateswarulu, Department of Computer Science Engineering.

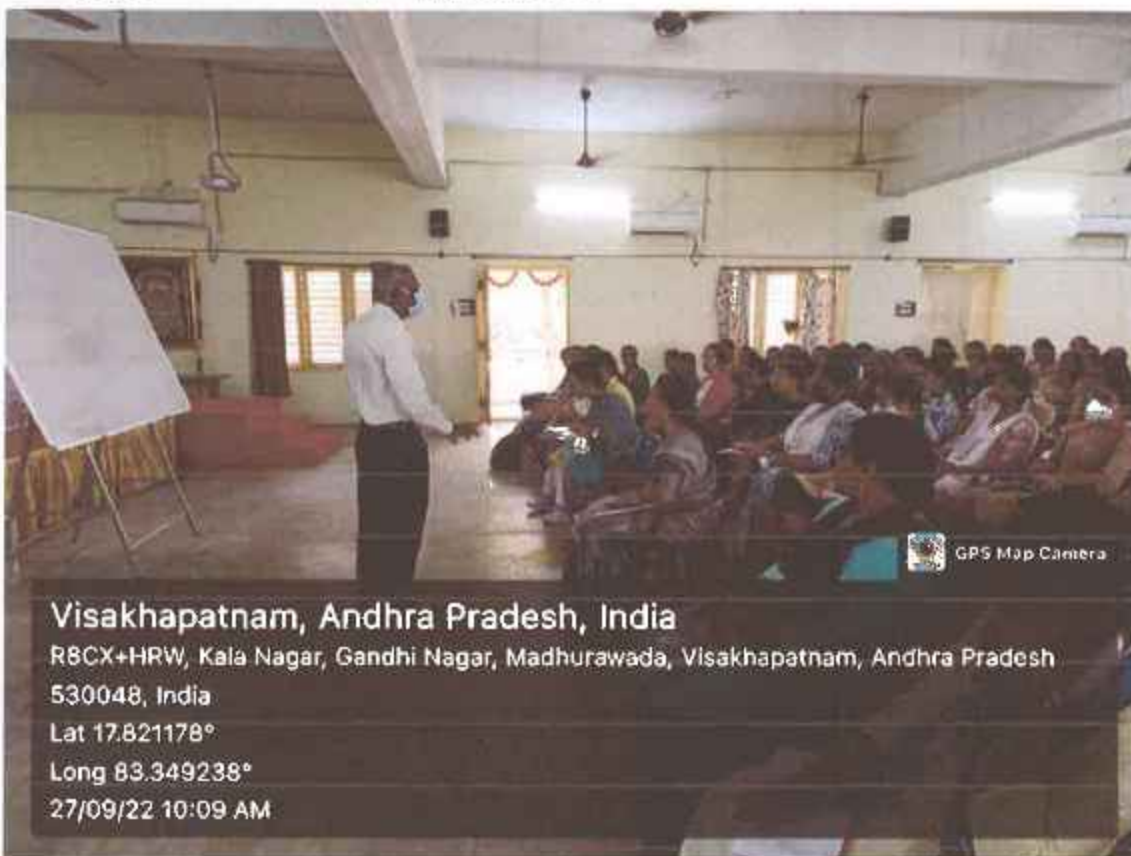
The following are the contents delivered during the programme.

### **Fundamentals of Computing Machinery**

1. Generations of Computer (I-V)
2. Block Diagram of a Computer
3. Functions of the Different Units Input unit, Output unit, Memory unit, CPU (ALU+CU)
4. Input & Output Devices Input Devices:
5. Registers [Types of Registers]
6. Cache Memory
7. Primary Memory
8. Secondary Memories

### **Basics of Scratch programming**

Hands-on sessions on Scratch programming were conducted during the afternoon sessions by Mr. G. Appaji, Assistant Professor, Department of IT.







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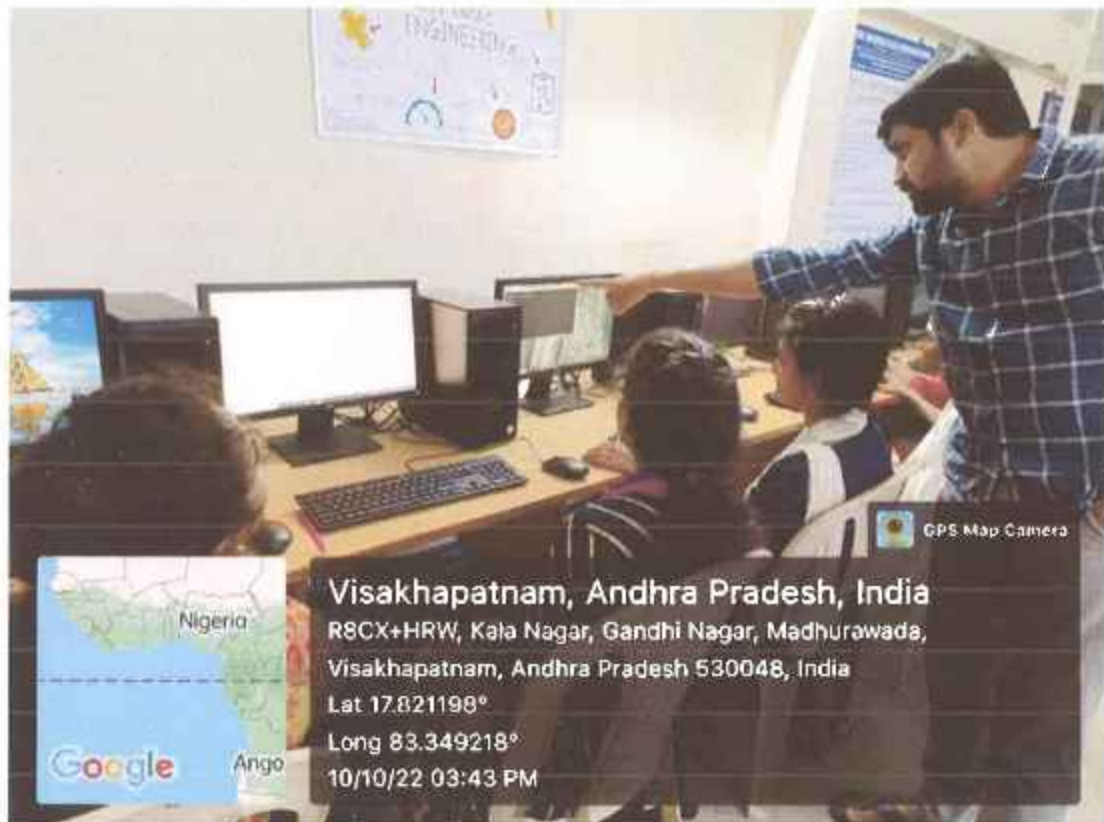
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**Visakhapatnam, Andhra Pradesh, India**

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## Workshop on IoT / Workshop on Arduino

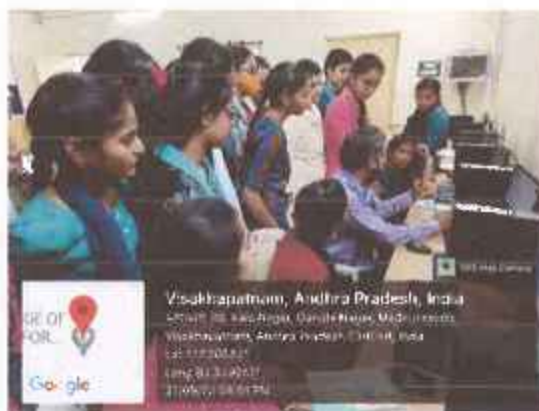
As a part of Student induction programme -2022, a basic training on basic training on "Internet of Things" and Arduino has been given.

Hands-on sessions were conducted during the program for the students by Mr. VVV Satyanarayana, Assistant Professor. Dr. B. Rajesh Babu, Assistant Professor, Department of Physics, to improve their technical skills and for better employability.

The following are the contents delivered during the programme.

1. Basic structure of Program of Arduino and its syntax (Set up and Loop functions, syntax for any program)
2. Introduction to type of variables in C
3. Functions in C
4. Conditional statements (if, for, while etc.)
5. Subroutines
6. Compiling and uploading code to NodeMCU ESP8266 board
7. LED blinking and Input Output programming on Digital pins of NodeMCU
8. 16x2 I2C Liquid Crystal Display interfacing with NodeMCU
9. OLED interfacing with NodeMCU
10. Creating a WiFi webserver cum Access Point on NodeMCU
11. Controlling LED using HTML web server hosted by NodeMCU
12. AJAX based asynchronous web server on NodeMCU to transmit data to a client in table format
13. Home Automation using NodeMCU

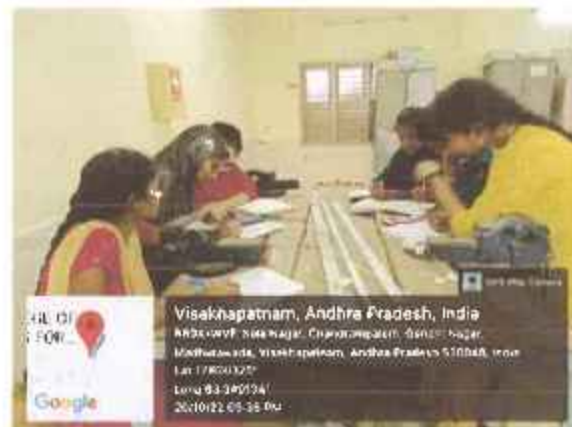
The programme went on successfully with active participation from the students. The sessions were interactive, and students showed much interest in building hobby projects related to Internet of Things (IoT) on NodeMCU.





## Electronics Workshop

Dr. Ch S Lakshmi, Assistant Professor, Department of Physics, and Mr. Naresh, Lab In-charge Machines Lab have conducted a Workshop on Electronics. The workshop is all about getting hands with real-world electronic components, understanding how each part works through cool experiments, plugging them together to glow LEDs, beep buzzers, installation of various electronics devices parts like Television, Mobile Phone, etc., The objective of the workshop is to create a positive ecosystem that facilitates education and teaches how to derive pleasure from the process of learning. Students have enjoyed these sessions and benefitted from a positive learning experience.







## Lectures on Fundamental Mathematics

The objective of this module of SIP is to bridge the gap between what the students need to know before they can start taking the advanced courses at the Engineering level and what they are, aware of from the intermediate level. The conceptual understanding of the basic sciences is a very important factor in becoming a good engineer. Lectures on basic Mathematics, Physics.

The sessions were conducted by Dr. A. Suseelatha, Dr. T. Poornakantha, Assistant Professor, Department of Mathematics.

The following topics were covered during the lectures:

- Basics of Set Theory
- Fundamentals of Calculus, Vector Algebra, Matrix Algebra

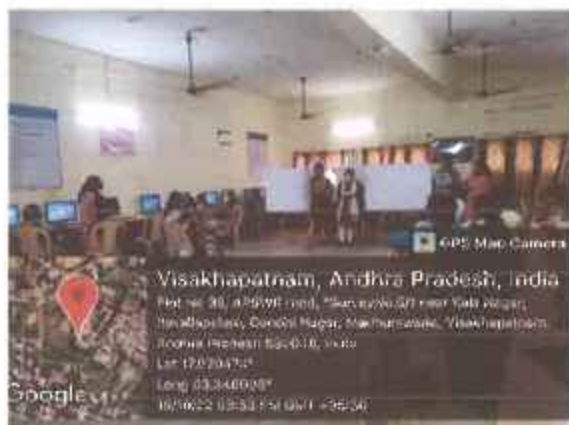
A test was conducted at the end of SIP to encapsulate the knowledge gained by the students during these lectures.

## Peer Mentoring

Peer mentoring is a process where two people of similar ages, experience levels, or both work together to help each other grow. They're students too, so they're going through the same things you are. When you meet with a peer mentor, they'll help you with the following:

- Set goals and develop strategies to succeed in your classes.
- Improve time management and study skills.
- Expand educational, leadership, career and learning skills.
- Build a support network.

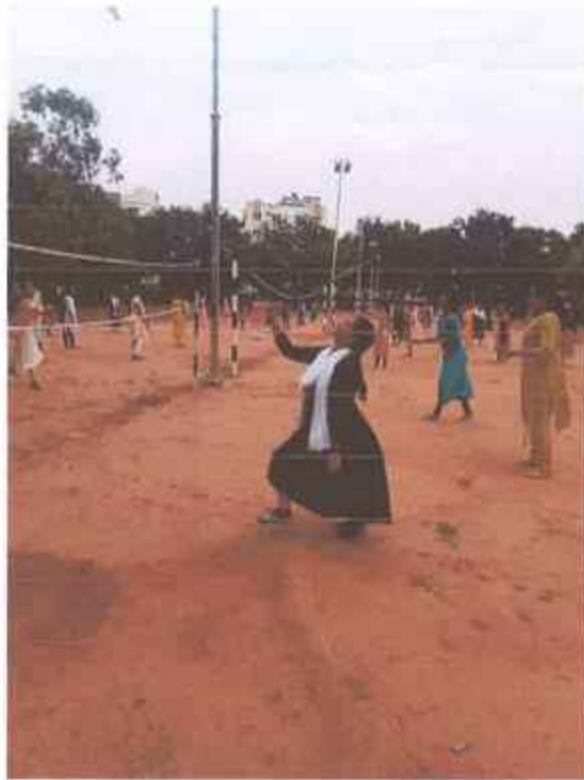
With this objective a peer mentoring group with the students of IV & III along faculty members was formed to mentor the fresh entrants.



## Physical Activity

The college provides services for various sports, cultural, academic, and Extra-Curricular Activities, to help the students to develop a balanced personality. The Students are encouraged to participate in physical activities so that they can improve their physical health.

Yoga sessions and various sports were organized during the SIP by Mr. N.M. Gowri, Physical Director, GVPCEW.



*A Suseelatha*  
Dr. A. SUSEELATHA  
I Year Co-Ordinator

*D. G. Sudheer*  
D. G. SUDHEER  
Vice Principal, Convener,  
Student Induction Program

**PRINCIPAL**



## PLACEMENTS

### COMPANIES VISITED



Batch	Students Placed	Highest Salary Per annum in Lakhs	Batch	Students Placed	Highest Salary Per annum in Lakhs
2008-2012	94	5.00	2013-2017	94	7.00
2009-2013	90	5.50	2014-2018	119	6.00
2010-2014	67	5.00	2015-2019	174	7.50
2011-2015	97	4.50	2016-2020	152	11.00
2012-2016	125	6.00			

## PROGRAMMES OFFERED

### B.Tech (4 Year Programme)

S.No	Branch	Intake	Year of Starting
1	Computer Science & Engineering	120	2008
2	Electronics & Communication Engineering	120	2008
3	Information Technology	60	2008
4	Electrical & Electronics Engineering	60	2011
5	Computer Science & Engineering (Artificial Intelligence & Machine Learning)	60	2020

### M.Tech (2 Year Programme)

S.No	Branch	Intake	Year of Starting
1	ECE - VLSI Design and Embedded Systems	18	2011
2	CSE - Data Science	18	2020



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Estd : 2008



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EAMCET CODE  
**GVPW**



**INFORMATION BROCHURE**



### Institute

To emerge as an acclaimed centre of learning that provides value based technical education for the holistic development of students

### VISION

### Institute

- ❖ Undertake activities that provide value-based knowledge in Science, Engineering, and Technology
- ❖ Provide opportunities for learning through Industry-Institute interaction on the state-of-the-art technologies
- ❖ Create a collaborative environment for research, innovation, and entrepreneurship
- ❖ Promote activities that bring in a sense of social responsibility

### MISSION

### INSTITUTE ACHIEVEMENTS / RECOGNITIONS

- ❖ Programmes Accredited by NBA – B.Tech CSE, ECE and IT
- ❖ A regular participant of the All India Survey on Higher Education (AISHE) conducted by MHRD since 2010.
- ❖ The institute has been recognized under section 2(f) UGC act 1956 in December 2016.
- ❖ Institute was recognized by MHRD and granted Industry Innovation Council (IIC) for the Academic year 2019-20.
- ❖ Entrepreneurship Development Cell (EDC) and Institute Industry Partnership Cell (IIPC) were established in the institute in 2009 with financial support from AICTE.
- ❖ Institute achieved National Employability Award by AMCAT for the year 2018.
- ❖ NPTEL recognized the institute as a valuable local chapter with rating "A" (July-Oct 2018).
- ❖ The institute has an NSS unit operating under JNTUK Kakinada.
- ❖ 30 Ph.Ds among 85 well qualified faculty

### ABOUT THE DEPARTMENTS

#### Computer Science & Engineering

CSE is a highly interdisciplinary area spanning a broad range of science and engineering topics. The Department of CSE provides a good knowledge environment complemented by excellence in teaching.

The Department of CSE follows the comprehensive curriculum designed by JNTUK and lays emphasis on practical learning. The strength of the department lies in its dedicated faculty. Artificial Intelligence, Machine Learning, Data Science, Big Data Analytics and Image Processing are some of the strong areas of research in the Department



#### Electronics & Communication Engineering

Electronics and Communication are two important fields in engineering and technology. The ECE branch is a pace setter and a prime mover behind the transition to a technologically advanced society.

The availability of affordable means of communication has been one of the electronics greatest contribution to human society. The department aims to provide the student specialist skills and knowledge necessary to develop themselves into capable engineers to compete with the top notch ECE engineering graduates in the country.



#### Electrical & Electronics Engineering



The main objective of the Department of EEE to produce high quality Electrical Engineering graduates. The Department of EEE flourishes in its enthusiastic and energetic environment comprising of the major fields of Electrical & Electronics. The Department offers intensive training – theoretical and practical in all of the major areas of EEE.

#### Information Technology

The Department of Information Technology (IT) aims to equip the students with fundamental concepts and techniques of computing and applications relevant to emerging technological advancements. The Department focuses on providing practical projects and industrial training. The IT engineers are expected to perform a variety of duties that range from installing applications to designing software, complex networks and information databases. The goal of the department is to prepare the students to face the challenges of the fast growing IT industry.



#### STUDENT CHAPTERS



#### DEPARTMENTAL ASSOCIATIONS

CSE (Coscengers)



ECE (ECLAT)



EEE (Tesla)



IT (Spikes)



#### ORGANIZATION

#### ACTIVITY

BSNL	» Internships, Training
Ui Path	» Training on robotic process automation
CEMS	» Skill development
PamTen	» Internship
Microsoft	» MSDN- Academic Alliance
TCS	» Remote internships
WIPRO	» Training the trainer for Project Based Learning
TCS-ION	» Partnership for online assessments
Core EI Technologies	» Industrial Training, Internship and Visits

#### INDUSTRY INTEGRATION

#### ACHIEVEMENTS / RECOGNITIONS STUDENT LEVEL

- ❖ More than 85 % of the students secured first class of which more than 45% have a first class with distinction in the past 4 batches.
- ❖ 82 students have obtained Elite-Gold (41) / Elite-Silver (41) NPTEL Certificates for various courses during the period (Jan 2018 to Oct 2019)
- ❖ Ms.V.Sri Vidya, Ms.B.Sravya and Ms.Y.Meihu of ECE department won the 2nd Prize in Infinity of Things project contest at IIT Bombay (Dec 2016).
- ❖ Two teams, one from IT and one from ECE won the cash prize of Rs.10,000/- each at the APELECTROTHON-2018
- ❖ 13 students of the institute have represented the JNTUK university team in the south zone and all India inter-university tournaments
- ❖ A team of 6 students successfully completed the final round of SIH-2020 (Smart India Hackathon) in 2020 and emerged winners.

#### INFRASTRUCTURE

##### LIBRARY



The Central Library is well equipped with modern facilities and resources (print and electronic) in the form of CD-ROMs, DVD ROMs, online databases, books, National and International Journals, project reports etc. It has also full fledged Digital Library possessing good e-resources like IEEE, Springer, McGraw Hill and Elsevier



##### LABORATORIES



The college is well equipped with state of the art laboratories and spacious full fledged labs are functioning under various departments. All the laboratories are developed as per the JNTUK curriculum and monitored by senior professors of the concerned departments with emphasis on proving hassle free practical learning environment.



##### SPORTS FACILITIES



Sprawling play grounds for outdoor games like Basket Ball, Ball Badminton, Tennis and indoor games like, Table Tennis, Chess, Carroms along with 12 Station gym.

##### R.O. WATER PLANT



A 1000 liters/hr RO water plant is available in the campus to provide potable water to the canteen, hostel and the institute.



HOSTEL BUILDINGS



CANTEEN



A fleet of 6 buses are available to provide transport facility to the students and staff.

#### BEST PRACTICES

- Mathematical Sciences Club: To focus on fundamentals of engineering
- Programming Club: A forum to excel in programming
- Electronic Project Club : To focus on IoT based projects
- Automation through Educational ERP Software (BEES)
- Learning Management System : [www.gvpcw.net/moodle](http://www.gvpcw.net/moodle)





# Gayatri Vidya Parishad College of Engineering for Women

Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam

Accredited by NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC) with A-Grade valid from 2022 to 2027



## B.Tech Electronics and Communication Engineering

Accredited by NATIONAL BOARD OF ACCREDITATION (NBA), New Delhi from 2019 to 2022 and reaccredited from 2022 to 2025

Department offers B.Tech with intake of 120 and M.Tech (VLSID & ES) with intake of 12

### VISION

Produce competitive engineers instilled with ethical and social responsibilities to deal with the technological challenges in the field of Electronics and Communication Engineering.

### MISSION

- Facilitate a value-based educational environment that provides updated technical knowledge.
- Provide opportunities for developing creative, innovative and leadership skills.
- Imbue technological and managerial capabilities for a successful career and lifelong learning.

### LABORATORIES



Electronics Lab 1



Electronics Lab 2



Communications Lab



Microwave Engg. Lab



Simulation Lab



IoT Lab

### JOB OPPORTUNITIES

**280+ Students Placed over the last 5 years**

### Program Educational Objectives

After successful completion of the program, the graduates will be able to:

PEO-1: Analyze and apply the knowledge of mathematics, science, and engineering concepts for solving Electronics and Communication Engineering problems.

PEO-2: Solve complex problems in electronics and communication engineering and its allied areas to attain optimum solutions.

PEO-3: Excel in chosen career by exhibiting life skills and professional ethics in multidisciplinary fields through continuous learning and research.

### An Asset to our Department

**Prof. K Raja Rajeswari,**  
Retd. Prof. & Head, ECE, AU, Vizag  
Emeritus Professor, GVPCEW

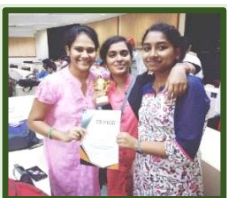
- Well qualified & experienced faculty
  - 7 faculty are Doctorates
  - 10 faculty are pursuing Ph.D.
- 100+ research papers published by faculty in reputed Journals and Conferences
- 2 Book and 13 Book Chapters
- 4 Patents

### Research Project

DRDO sponsored research project of Rs. 9.44 Lakhs has been sanctioned to Prof. K Raja Rajeswari, Director R&D, GVPCEW

PROGRAM OBJECTIVES

ACHIEVEMENTS



Second prize (cash prize) at IIT Bombay in TechFest-2016



Cash Prize in APElectrothon-2018 from AP IT Minister



Platinum Award for their hardware exhibits in Vizag Science and Tech Fest - 2016



Gold Medal in Electroblitz-2019 conducted by AU



3<sup>rd</sup> prize in NSTL hardware model presentation



Asia Book of Records



V Kamala representing University Boxing



1<sup>st</sup> Prize in 1500m and 800m running and 2<sup>nd</sup> Place in Triple Jump



2<sup>nd</sup> place in 7<sup>th</sup> Senior Inter District (Men & Women) Netball Championship Competitions





# Best Practices



## ACADEMIC FACILITIES BEYOND CURRICULUM



Learning Management System



GATE Training



Guest Lectures and Value-Added Courses



Counselling



Virtual Labs



Dr. Bijay Kumar Sahu  
Regional Manager,  
NRDC



Anirudha S Dasu  
Vice-President and  
Global HR Head  
Virtusa Software Sol.



Mrs. P Padma Savitri  
Scientist G, BARC



Padmasri  
Prof. Bimal K Roy  
ISI Kolkata



Industrial Visits at Doordarshan, RADAR station, ...



Dr. Suvera Sekhar Das  
IIT Khargpur



Prof. Zafar Ali Khan  
IIT Hyderabad



Krish Dhanam  
Skylife, USA



Padmasri  
Prof. R Balasubramanian  
IMSC Chennai

## PROFESSIONAL BODIES AND STUDENT INTERNSHIPS



- All India Radio
- Bharat Sanchar Nigam Ltd.
- Electronics Corporation of India Ltd.
- Bharat Heavy Electricals Ltd.
- Airports Authority of India Ltd.
- Visakhapatnam Port Trust
- Centre Institute of Tool Design
- SAMEER- Govt. of India
- Indo German Inst. of Advanced Technology
- Arya Omnitalk Radio Trunking Services Ltd
- RINL - Visakhapatnam Steel Plant
- Opto Circuits (India) Ltd
- Hindustan Petroleum Corporation Ltd.
- Bhilai Steel Plant



Professional Bodies and Activities



Industry Internships carried out

## CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES



Magazines and Newsletters



Term Projects, Hardware Expo and Online Certification Courses



Sports, NSS Activities and facility for NCC

ALUMNI



ISRO GAIL QSoCs SYNAPSE ROBERT BOSCH INTEL MAX PLANCK INST. GREEN SEMIS



SYMBIOSIS SYNOPSIS QUALCOMM NIYANTRA SYNTEL SOCTRONICS NIT, ROURKELA

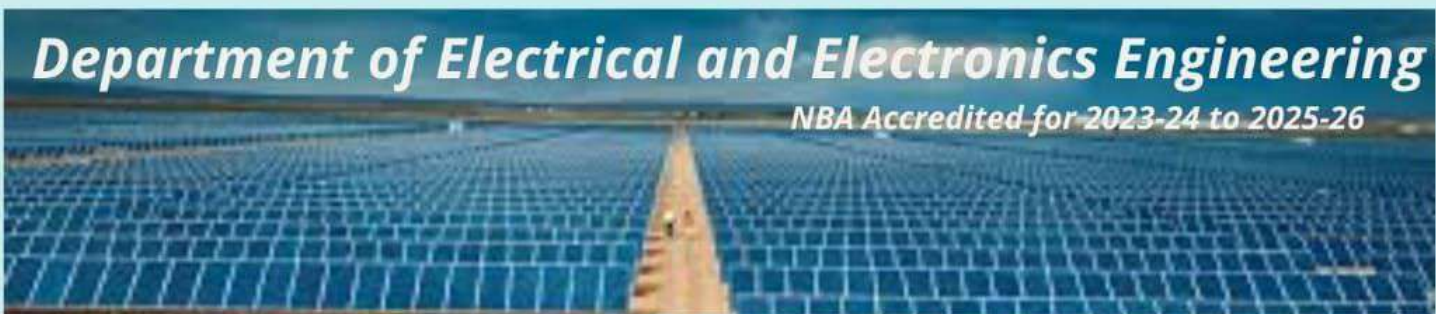






# Gayatri Vidya Parishad College of Engineering for Women

Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam



NBA Accredited for 2023-24 to 2025-26

## Department of Electrical and Electronics Engineering

### VISION

To develop into a centre of learning that empowers students with contemporary knowledge in Electrical and Electronics Engineering for their overall growth.

### MISSION

- Impart skills both in traditional and modern areas of Electrical and Electronics Engineering.
- Provide exposure to latest developments in the field through Seminars, Industrial visits, Workshops and Paper presentations.
- Prepare the young minds to apply professional engineering practices by considering environmental and societal needs.

### Highlights of Department

- The Department is accredited by NBA for the academic years 2023-24 to 2025-26
- Accredited by NAAC with A Grade
- 50 % faculty are with Ph.D
- Faculty have published 50 plus research articles in reputed journals and conferences

### Thrust Areas of Faculty

1. Power Systems and Automation
2. Power Electronics and Drives
3. Optimization Techniques
4. Distribution Systems
5. Integration of Renewable Energy Sources to Micro Grids

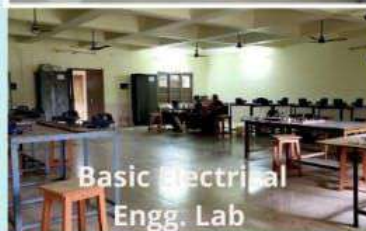
### LABORATORIES



Electrical Machines Lab



Thermal & Hydro Lab



Basic Electrical Engg. Lab



Power Electronics & Control Systems Lab



Solar Tree in The Campus



Campus Hybrid Power Plant

Department Advisor  
Sastry V. Vedula  
Retd. Professor  
from IIT Chennai

### Our Alumni are Working in

### Department Association (TESLA) Activities



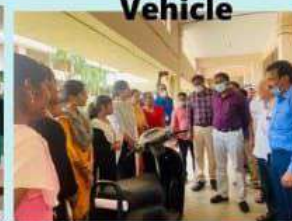
### Industrial Visits



### IEEE Activities



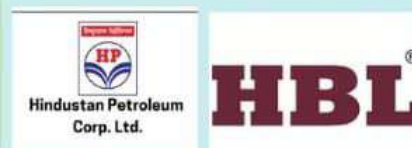
### Project - Solar Vehicle



### Appreciation for Meritorious Students



### Industry Internships







# Gayatri Vidya Parishad College of Engineering for Women

Approved by AICTE, Affiliated to Andhra University, Visakhapatnam

## Department of Computer Science and Engineering

Accredited by NBA from 2019-20 to 2021-22, and reaccredited from 2022-23 to 2024-25.

# Computer Science and Engineering

### VISION

To evolve into a Centre of learning that imparts quality education in Computer Science and Engineering to produce highly competent Professionals.

### MISSION

- ✓ Impart computing and technical skills with an emphasis on professional competency and human values.
- ✓ Enrich the learning aptitude to face the dynamic environment of the Computer Industry.
- ✓ Enhance the analytical and problem-solving capability through contests and technical seminars.

### Program Educational Objectives (PEOs)

- PEO - 1: Apply both fundamental and advanced knowledge to analyse, design and develop innovative computing products.
- PEO - 2: Design and develop interdisciplinary and innovative software systems for real-world problems.
- PEO - 3: Inculcate soft skills, ethical conduct and an ability to engage in lifelong learning to serve the societal and environmental needs.

### DEPARTMENT HIGHLIGHTS



Advisor to CSE Department  
**Prof. P. S. AVADHANI, Ph.D.,**  
Former Director IIIT Agartala, Former Principal & Professor of AU.



Advisor to CSE Department  
**Prof. E. V. Prasad, Ph.D.,** Former Director of GVPCEW,  
Former Rector, Registrar of JNTU Kakinada



**Dr. N. B. Venkateswarulu M. Tech, Ph.D., Professor**  
Former Faculty Member of BITS Pilani, India



**Dr. M.R.K. Krishna Rao M. Tech, Ph.D.(TIFR, Bombay), Professor**

- ❖ 6 Faculty are Doctorates and 7 are pursuing Ph.D. in various Universities.
- ❖ 80% of our Faculty are GATE/NET/APSET Qualified.
- ❖ Almost all of our Faculty obtained NPTEL Online Certifications
- ❖ Our Faculty Published 85+ papers in peer reviewed Journals
- ❖ Our Faculty have been regularly Trained in Industry Oriented Courses by Wipro Technologies, TCS, Soliver Labs, UI Path, Salesforce Companies.

### RESEARCH AREAS

- ❖ Machine Learning
- ❖ Image Processing
- ❖ Cryptography & Network Security
- ❖ Deep Learning
- ❖ Cloud Computing
- ❖ Internet of Things
- ❖ Data Science
- ❖ Mobile Computing
- ❖ Block Chain Technologies

### STUDENT ACHIEVEMENTS



**K. Monica Sai (16JG10546)** participated in Google Women Techmakers Engineering Fellow Program and secured "Certificate of Excellence" at IIIT Hyderabad.



**G. Yernamma (17JG1A0541)**  
2017-21 Batch  
Won Ball Badminton in University level



6 students of CSE & CSE(AI-ML) (20 batch) Won FIRST PRIZE with Rs 1,00,000/- cash prize in the SIH-2022 (Software Edition)



CSE (AI-ML) 1st Year (Co-War) Team Won First Runner-Up with Rs. 1,00,000/- Cash Award at Accenture AI Applied Intelligence Hackathon Grand Finale

### Existing Programs:

- ❖ BTech CSE – 180 Intake
- ❖ BTech CSE with AI & ML - 120 Intake
- ❖ MTech CSE with Data Science - 18 Intake



CSE Lab-1



CSE Lab-2



CSE Lab-3



CSE Lab-4



CSE Lab-5

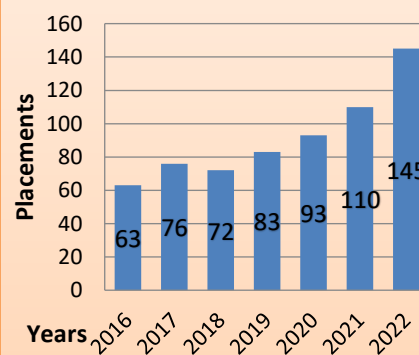


Projects Lab

LABORATORIES

FACULTY

### PLACEMENTS



### List of Students with Highest Package

ROLL NO.	NAME	Company	PKG
18JG1A0566	M N L SOUMYA	AMAZON DE	27 Lacs
18JG1A0572	N.S.V.M. SINDHUJA	AMAZON SE	18 Lacs
18JG1A0525	GADU BHAVYA YASASWINI	AMAZON QAE	15 Lacs
17JG1A0546	G. CHANDINI	AMAZON	19 Lacs
16JG1A0541	K. DIVYA	AMAZON	11 Lacs
16JG1A0592	HARITHA	CARDLYTICS	8 Lacs
16JG5A0501	A JYOTHI	SAMSUNG R & D	7.5 Lacs

\* AY: 2022-23- placements – 102\* offers till Sept-22.

### Our Recruiters









## PLACEMENTS WITH HIGHEST PACKAGES AND ALUMNI

 <b>M N L SOUMYA</b> Roll No:17JG1A0566 AMAZON - 27 Lacs	 <b>N.S.V.M. SINDHUJA</b> Roll No:17JG1A0572 AMAZON - 18 Lacs	 <b>G BHAVYA YASASWINI</b> Roll No:16JG1A0541 AMAZON - 15 Lacs	 <b>G. CHANDINI</b> Roll No:17JG1A0546 AMAZON-19 Lacs	 <b>DIVYA K</b> Roll No:16JG1A0541 AMAZON-11 Lacs	 <b>HARITHA</b> Roll No:16JG1A0592 CARDLYTICS-8 Lacs	 <b>MB VAISHNAVI</b> Roll No:15JG1A0557 SAMSUNG R&D -7.5 Lacs	 <b>JYOTHI</b> Roll No:16JG5A0501 SAMSUNG R&D -7.5 Lacs
 <b>PURVAJA</b> 2014-18 BATCH HSBC-6 Lacs	 <b>RISHIKA K</b> 2013-17 BATCH KONY LABS-7.2 Lacs	 <b>SOWMYA NSSR</b> 2012-16 BATCH YODLEE-7 Lacs	 <b>SWATHI VARMA</b> 2011-15 BATCH VALUE LABS-10 Lacs	 <b>SHOBANA RAUT</b> 2008-12 BATCH MAJOR-INDIAN ARMY	 <b>SHALINI N</b> 2008-12 BATCH Passport Officer MHRD-New DELHI	 <b>SHAHNAZ</b> 2008-12 BATCH MICROSOFT	



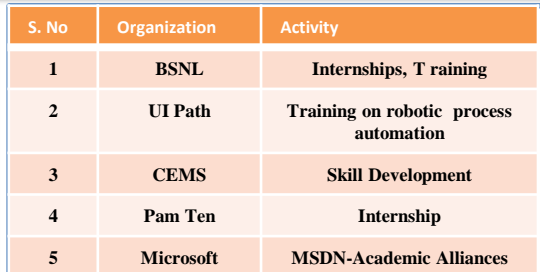



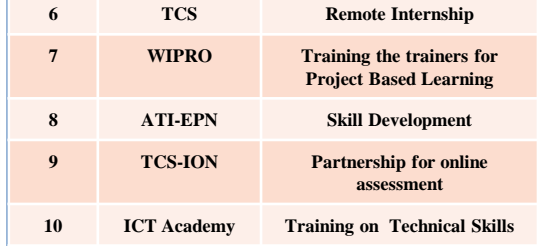

## BEST PRACTICES

ACADEMICS	 <b>LEARNING MANAGEMENT SYSTEM</b>		 <b>VALUE ADDED CLASSES</b>	 <b>STUDENT COUNSELLING</b>
	 <b>NPTEL AND OTHER CERTIFICATION COURSES</b>	 <b>GUEST LECTURES AND EXPERT TALKS</b>	 <b>GATE TRAINING CLASSES</b>	

## PROFESSIONAL & STUDENT ASSOCIATIONS ACTIVITIES

								
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## STUDENTS INTERACTION WITH OUTSIDE WORLD

### Participation in Workshops and Hackathon Contests

### INTERNSHIPS IN INDUSTRIES

S. No	Organization	Activity
1	BSNL	Internships, T raining
2	UI Path	Training on robotic process automation
3	CEMS	Skill Development
4	Pam Ten	Internship
5	Microsoft	MSDN-Academic Alliances
6	TCS	Remote Internship
7	WIPRO	Training the trainers for Project Based Learning
8	ATI-EPN	Skill Development
9	TCS-ION	Partnership for online assessment
10	ICT Academy	Training on Technical Skills



## CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

 <b>BALLBADMINTON (ALL INDIA INTER UNIVERSITY 2019-2020)</b>	 <b>INTERCOLLEGIATE MEET THROWBALL WINNERS 2018-19</b>	 <b>CHESS (SOUTH ZONE INTER UNIVERSITY 2018 - 2019)</b>	 <b>JNTUK-CENTRAL ZONE- WOMEN-BADMINTON-RUNNERS</b>	 <b>NSS ACTIVITIES</b>	 <b>YOGA TRAINING CLASSES</b>
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