

IIC Report Details

Gayatri Vidya Parishad College of Engineering for Women , Andhra Pradesh , VISAKHAPATNAM

Activity Report submitted for the academic year 2022-23

S.NO.	ACTIVITY	TOTAL SUBMISSION	STATUS
1	IIC Calender Activity	10	Verified - 10
2	Celebration	2	Verified - 2

This report is electronically generated against report submitted on Institution's Innovation Council Portal.



**GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN
KOMMADI, MADHURAWADA, VISAKHAPATNAM – 530048**

(APPROVED BY AICTE, NEW DELHI, AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM)

(ACCREDITED BY NBA (FOR CSE, ECE AND IT) AND NAAC WITH A GRADE)

Phone: +91-891-2739144, 2719125, 2719127 Email Id: gvpcew@gmail.com, info@gvpcew.ac.in



Institute Innovation Council

Activities 2022-2023

S.No	Date	Details of the Event	No. of Students Attended	Category of the IIC Activity
1.	31-12-2023	Organise an Inter/Intra Institutional Idea Competition/Challenge/Hackathon and Reward Best Ideas - Manage through YUKTI-NIR Quarter I	36	IIC Calander Activity
2.	21-12-2022	Session on Problem Solving and Ideation Workshop Quarter I	100	IIC Calander Activity
3.	28-02-2023	National Science Day Quarter II	48	IIC Celebrations Activity
4.	26-01-2023	Mentoring Event: Demo Day/Exhibition/Poster Presentation of Innovations/Prototypes & linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR Quarter II	48	IIC Calander Activity
5.	3-03-2023 4-03-2023	Workshop on Design Thinking, Critical thinking, and Innovation Design Quarter II	100	IIC Calander Activity
6.	15-03-2023	Workshop on Intellectual Property Rights (IPRs) and IP management for start up Quarter III	70	IIC Calander Activity
7.	25-07-2023	Field/Exposure Visit to Pre-incubation units such as Ideas Lab, Fab lab, Makers Space, Design Centres, City MSME clusters, workshops etc. Quarter III	46	IIC Calander Activity
8.	05-08-2023	Organise Session on “Lean Start-up & Minimum Viable Product/Business”- Boot Camp (or) Mentoring Session Quarter IV	150	IIC Calander Activity
9.	05-08-2023	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving “Value Proposition Fit” & “Business Fit” Quarter IV	100	IIC Calander Activity
10.	23-08-2023	Demo Day/Exhibition/Poster Presentation of Start-Ups & Linkage with Innovation Ambassadors/Experts for Mentorship Support - Manage through YUKTI-NIR Quarter IV	220	IIC Calander Activity
11.	24-03-2023	Field/Exposure Visit to Incubation Unit/Patent Facilitation Centre/ Technology Transfer Centre such as Atal Incubation Centre etc Quarter III	54	IIC Calander Activity
12.	09-03-2023	International Women’s Day Quarter III	60	IIC Celebrations Activity



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Date: 22-12-2022

REPORT ON PROBLEM SOLVING AND IDEATION WORKSHOP

The Department of Computer Science and Engineering (CSE) in association with department of CSM, and Information Technology (IT), GVP College of Engineering for Women (GVPCEW) conducted a two-day workshop on "Problem Solving and Ideation". The workshop was held on 20th and 21st December 2022 in room no 201 of GVPCEW. Prof. P.S.Avadhani, distinguished Professor of CSE, Andhra University was the resource person for the workshop. Prof. P.S.Avadhani is an experienced academician with over 30+ years of teaching experience. He has conducted numerous workshops and training programs on problem-solving and ideation at UG and PG level. The workshop had a total of 100 participants, including students from CSE, CSM, and IT branches. The two-day workshop was conducted in four sessions, including theoretical and practical sessions.

The first session on day one started with the introduction to the workshop's objectives and was followed by a lecture on problem-solving techniques and methodologies. On day two, the first session was a lecture on the ideation process, where Prof. P.S.Avadhani explained the techniques to generate creative and innovative ideas. The session was followed by a practical session, where the students were formed into groups and given a problem statement to generate multiple ideas and come up with a solution. Prof.P.S.Avadhani also discussed with the students different problems and their solutions in the areas of Computer Algorithms, Public Cryptographic Algorithms, Data and Network Security and Machine learning. The workshop concluded with a vote of thanks by the HOD of CSE.

P Sridevi

Ms.P.Sridevi
Faculty Coordinator

Vidya Parvathi College of Engineering for Women
Approved by AICTE, New Delhi, Affiliated to Anna University,
Madurai, Registration No. 100-201

VISION
As an acclaimed center of learning that provides quality technical education for the holistic development of students.

MISSION
We endeavor to provide value-based knowledge in Engineering and Technology, opportunities for learning through Industry Institute collaboration, state-of-the-art technologies, collaborative environment for research, innovation, entrepreneurship that bring in a sense of social responsibility.



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

Date: 21/12/2022

CIRCULAR

1. As a part of Institute Innovation Council (IIC), GVPCEW intends to conduct Ideathon and towards it, Innovative Ideas are to be uploaded by all the students in the Yukti Portal of IIC.
2. These are to be uploaded by a team of students consisting of not more than 5 members.
3. In view of the above, following is required:
 - a) With respect to the 4th year students the project guides are to ensure that project titles of every project group are uploaded as an idea/Proof of Concept as per the prescribed format.
 - b) With respect to the 2nd and 3rd year students all mentors/counsellors are requested to ensure that every 5 students from their group to upload one idea each on the Yukti portal.
4. This activity is to be completed by 31st December 2022 and the report is to be made to me by all project guides and mentors.
5. The required information to upload the idea/Proof of Concept to IIC-Yukti is as follows:
 - a) Student (Team lead) has to register in IIC Yukti for upload of Idea/PoC.
 - b) Registration link: <https://yukti.mic.gov.in/registration/new>
 - c) Idea/PoC submission form can be found in download section at <https://yukti.mic.gov.in/>
 - d) Hard copy of submission of form is also attached for ready reference and for further clarification Associate Professor Dr.L.Ganesh can be contacted.
6. This is to be accorded top priority.

End: As above

To : All Faculty members


PRINCIPAL

Copy to:

1. Secretary, GVP
 2. Vice-principal, GVPW
 3. Dr.L.Ganesh, Assoc Prof, ECE
 4. All Heads of Departments
- } for information



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education, Government of India)

Institution's Innovation Council
MoE's Innovation Cell
YUKTI National Innovation Repository
Idea / Proof of Concept (PoC) Submission Form

S.NO	Field Name	Description
1	*Title	20 Words Maximum
2	*Developed as part of	Select appropriate option from the dropdown: -Academic Requirement/Study Project -Academic Research Assignment/Industry Sponsored Project -Independent Assignment/Non-academic Study Project
3	*Choose the Financial Year, during the Idea-PoC/Innovation Developed	Select appropriate option from the dropdown: -2019-20 -2020-21 -2021-22 -2022-23
4	*Sector / Domain	Select one or more appropriate option from the dropdown: -Healthcare & Biomedical devices. -Agriculture & Rural Development. -Smart Vehicles/ Electric vehicle/ Electric vehicle motor and battery technology. -Food Processing/Nutrition/Biotech -Robotics and Drones. -Waste Management/Waste to Wealth Creation -Clean & Potable water. -Renewable and affordable Energy. -IoT based technologies (e.g. Security & Surveillance systems etc.) -ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML. -Other Emerging Areas Innovation for Start-up -Software - Mobile App Development -Software - Web App Development -Travel & Tourism -Finance Life Sciences -Smart Education -Smart Cities -Sports & Fitness -Smart Textiles -Sustainable Environment -Infrastructure -Manufacturing



		-Defence & Security -Mining, Metals, Materials -Consumer Goods and Retail -Fashion and Textiles -Education
5	*Innovation Type	Select one or more appropriate option from the dropdown: -Product -Process -Service -Market Place -Business/Management Innovation
6	*Development Stage - Technology Maturity of the Solution/Innovation in terms of Technology Readiness Level TRL	Select one from the dropdown: TRL 1: Basic research. Principles postulated observed but no experimental proof available TRL 2: Technology formulation. Concept and application have been formulated TRL 3: Applied research. First laboratory tests completed; proof of concept
7	*Define the problem and its relevance to today's market / society / industry need.	Max: 100 Words
8	*Describe the Solution / Proposed / Developed	Max: 100 Words
9	*Explain the uniqueness and distinctive features of the (product / process / service) solution.	Max: 100 Words
10	*How your proposed / developed (product / process / service) solution is different from similar kind of product by the competitors if any	Max: 100 Words
11	*Is there any IP or Patentable Component associated with the Solution?	YES / NO If YES, *Upload the Copy of IP/Patent Applied or Obtained: (JPG, PNG max 2 MB)
12	*Has the Solution Received any Innovation Grant/Seed fund Support?	YES / NO If YES, *Mention the total grant fund amount (Rs.) Received from various sources
13	*Are there any Recognitions (National/International) Obtained by the Solution?	YES / NO If YES, *Upload the Copy of Latest Achievement: (JPG, PNG max 2 MB)



14	*Is the Solution Commercialized either through Technology Transfer or Enterprise Development/Start-up?	YES / NO If YES, *Upload the Registration Copy of Start-up / Enterprise Upload Photograph: (JPG, PNG max 2 MB)
15	*Had the Solution Received any Pre-Incubation/Incubation Support?	YES / NO If YES, *Mention the Pre-Incubation / Incubation Unit Name
16	Video URL	Specify the Video URL of your innovation. Give necessary permission to view the file to the following email id: jic.mhrd@aicte-india.org
17	Upload Photograph: (JPG, PNG max 2 MB)	Upload the photograph of your innovation if any. (JPG / PNG : max 2 MB)



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Date: 31-12-2022

The Yukti portal was made available to all students of GVPCEW, and they were invited to submit their innovative project ideas. The portal received a total of 25 project ideas from 36 students. The ideas were scrutinized by a team of faculty members comprising Dr. P. Devendra, Mr. G. Tirupati, and Dr. L. Ganesh. The team evaluated the projects based on their novelty, practicality, and potential impact.

After careful evaluation, the team selected the top two ideas that showed the most promise. The first idea was "Feel Free to Express" by Shaik Reshma, a 2nd-year student of CSE. The second idea was "Non-Helmet Rider Vehicle Number Plate Recognition" by Amrutha Sai Nagireddy, a 4th-year student of ECE. The evaluation team felt that both ideas had the potential to make a significant impact and could be turned into practical projects.

The teams of Shaik Reshma and Amrutha Sai Nagireddy were encouraged to represent the college in various Ideation competitions that are open to students from various colleges in the region, and aims to encourage innovation and creativity among young minds.



L. Ganesh

Dr.L.Ganesh

Faculty Coordinator





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Date: 01-03-2023

REPORT ON NATIONAL SCIENCE DAY

National Science Day was celebrated in Gayatri Vidya Parishad College of Engineering for Women on February 28, 2023 to mark the discovery of the Raman Effect in 1928 by the great Indian physicist Sir C.V. Raman. This event was organized by the Mathematical Science Club of GVP to remember the great luminaries of Indian science. In order to encourage students to explore scientific concepts and promote scientific temper, various competitions like Power point and poster presentations, quiz, science exhibits were conducted for the students. Students enthusiastically participated in all the competitions. More than 70 students were participated in the quiz, 50 in poster presentations, 50 in oral presentations, and 30 in science model exhibits.

Prof. R.K. Goswamy Garu, our beloved principal, presented a welcome speech and focused on Gayatri Vidya Parishad's noble objective of imparting quality education without compromising discipline or moral values. He inspired the pupils by expounding on Sir C.V. Raman's attributes and advising them to cultivate good qualities. In order to motivate our students and grace the function, an eminent personality, Prof. A Subrahmanyam Garu(Retd. Prof of Physics - IIT Madras), was kind enough to act as a Guest of Honor, while Professor Mahendra K. Sunkara, Director, Conn Centre for Renewable Energy Research, University of Louisville, accepted to be the Chief Guest of the Function by taking time out of his busy schedule. Both of them inspired our pupils with their wonderful speeches. Prof. A. Subramanyam Garu believes that the topic of National Science Day, "Global Science for Global Well Being," can be realized only if each individual accepts responsibility for properly utilizing natural resources. From Sir C.V. Raman's life story, he recommended pupils to cultivate virtues such as persistence, hard work, and dedication to their chosen profession. The Chief Guest of the function Prof. Mahendra K Sunkara made our students aware of the various possible avenues in science, engineering, and technology for their career. He also envisaged that equal opportunities are available for all the engineering branches. He motivated them to put up their best efforts to reach their goals.

He also gave a lecture on the topic "**Renewable Energy Challenges and Research Opportunities**" and interacted with the students. The honorable guests are felicitated and the program finally closed after the distribution of prizes to the winners of all the competitions.





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Poster presentation



Honorable Guests on Dias



Science Model Exhibition



Power Point Presentation



Address by Principal Prof. R.K. Goswami



Address by Guest of Honour Prof. A. Subramanyam



Talk by Chief Guest Prof. M.K. Sunkara



Felicitation to Guests

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