



VIGNAN'S

INSTITUTE OF INFORMATION TECHNOLOGY
(AUTONOMOUS)

[Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada]
Beside VSEZ, Duwada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.

Criteria – II – Teaching - Learning and Evaluation

Problem Solving Methods adopted in Teaching-Learning during 2020-21

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PRINCIPAL
VIGNAN'S INSTITUTE OF
Information Technology (A)
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Criteria – II – Teaching - Learning and Evaluation

Societal related Projects



Battery operated Smart Tricycle assembled by IV EEE students Madhu Babu, G. Suresh, S. Ramesh, D. Varalakshmi, T. Tejeshwar, B. Rajesh, A. Dinesh under mentorship of Dr. R S Ravi Sankar, Associate Professor, EEE.



Cost Effective Robotic Fingers for Handicapped People manufactured by Students of IV ECM- K.Sanaskruti, D.VSV Raju, M Venkata Lakshmi, B sruti under mentorship of Mrs. G.Indira, Assistant Professor, ECM.



Criteria – II – Teaching - Learning and Evaluation

Hackathons

- VIIT conducts day or two-day long Hackathons across the Country every semester to development Potential Business Partners and come up with an idea for a potential new start-up.

VIGNAN's IIT ACM STUDENT CHAPTER
VISTA - 2021
PRESENTS

WEB HACK
14th & 15th September

2 DAYS
100+ INNOVATIVE MINDS
3 STAGES

REGISTRATION DETAILS
FEE: 150/- per Team
LINK: vignanvizag.acm.org
Last Date: 12th September 2021

EVENT COORDINATORS:
Mr. Ch Sekhar(9949006418)

STUDENT COORDINATORS:
Mr. D KARTHIK (7702329668)
Mr. P PRASANTH (6281165917)

CASH PRIZES
Worth of ₹10,000

The process of scrutiny is in 3 stages:
Stage 1 - Theme Selection
Stage 2 - Designing
Stage 3 - Finals

VIGNAN's INSTITUTE OF INFORMATION TECHNOLOGY(A), DUVVADA, VISAKHAPATNAM

Webhack 2021 was conducted on September 14 & 15, 2021 to provide students a platform to solve some of the UI problems.



Criteria – II – Teaching - Learning and Evaluation



24-hour **CTF/Hackathon VIIT CTF V3** was conducted from 29th -30th May, 2021. More than 1300 cybersecurity enthusiasts from Vignan group of Institutions registered for this event.

Impact: Students developed passion about the technology work on hardware or software related challenges.



Two teams were selected for the VSSUT- Inno Buzz Hackathon and won 1st Prize with Rs. **60000/-** at Veer Surendra Sai University of Technology, Burla, Odisha. They developed IoT Project to Protect the Elephants while crossing the railway gates, the project title is “GAJA RAKSHA”



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Ideathons

VIIT conducts Ideathons every semester to develop students' their design thinking and innovative learning practices to ideate and collaborate on possible solutions for the issues that people are faced in the communities.



Nationwide On-Campus Contest IDEATHON was conducted on the 26th -27th February 2021. CEOs of various companies and officials around the city to participated in the event.



XHIBITECH 2021, a three-day Tech Carnival was conducted from July 22-24, 2021 by Vignan's IIT ACM student Chapter. **89 teams** had participated.



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Coding Contest

- VIIT conducts coding contests regularly. A set of logical or mathematical problems are presented to the contestants (who can vary in number from tens to several thousands), and the contestants are required to write computer programs capable of solving each problem.
- **Impact:** Students developed coding skills and solving complex problem abilities.

VIGNAN's IIT ACM STUDENT CHAPTER
PRESENTS
HOUR OF CODE
10th & 11th DEC 2021
The skills you learn today will let you create the world of tomorrow

REGISTRATION DETAILS
LINK : vignanvizag.acm.org
Last Date : 8th December 2021

FACULTY COORDINATORS:
Mr. Ch Sekhar (9949006418)

STUDENT COORDINATORS:
Swaroop (6302441651)
Deepak (6305292727)

ALL PARTICIPANTS WILL BE ISSUED E-CERTIFICATE

VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY(A), DUVVADA, VISHAKAPATNAM

Hour of Code coding competition was conducted on 10th & 11th December 2021



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The screenshot displays the 'ASSESSMENTS' section of the Vignan's Institute of Information Technology portal. It shows a list of coding contests with details such as the contest name, status, duration, date, and the number of candidates who took the test. The contests listed are Code_byte_b, CoDona_7_2, CoDona_7_1, CoDona_5_3, and CoDona_6.

Contest Name	Status	Duration	Date	Candidates
Code_byte_b	Public	7 hrs	May 10, 2020 11:00 AM IST - May 10, 2020 06:00 PM IST	30 candidates took the test.
CoDona_7_2	Public	6 hrs 30 mins	Apr 08, 2020 10:00 AM IST - Apr 08, 2020 04:00 PM IST	58 candidates took the test.
CoDona_7_1	Public	6 hrs 30 mins	Apr 08, 2020 10:00 AM IST - Apr 08, 2020 04:00 PM IST	39 candidates took the test.
CoDona_5_3	Public	6 hrs 30 mins	Apr 08, 2020 10:00 AM IST - Apr 08, 2020 04:30 PM IST	78 candidates took the test.
CoDona_6	Public	6 hrs 30 mins	Apr 08, 2020 10:00 AM IST - Apr 08, 2020 04:30 PM IST	

Coding Contests conducted

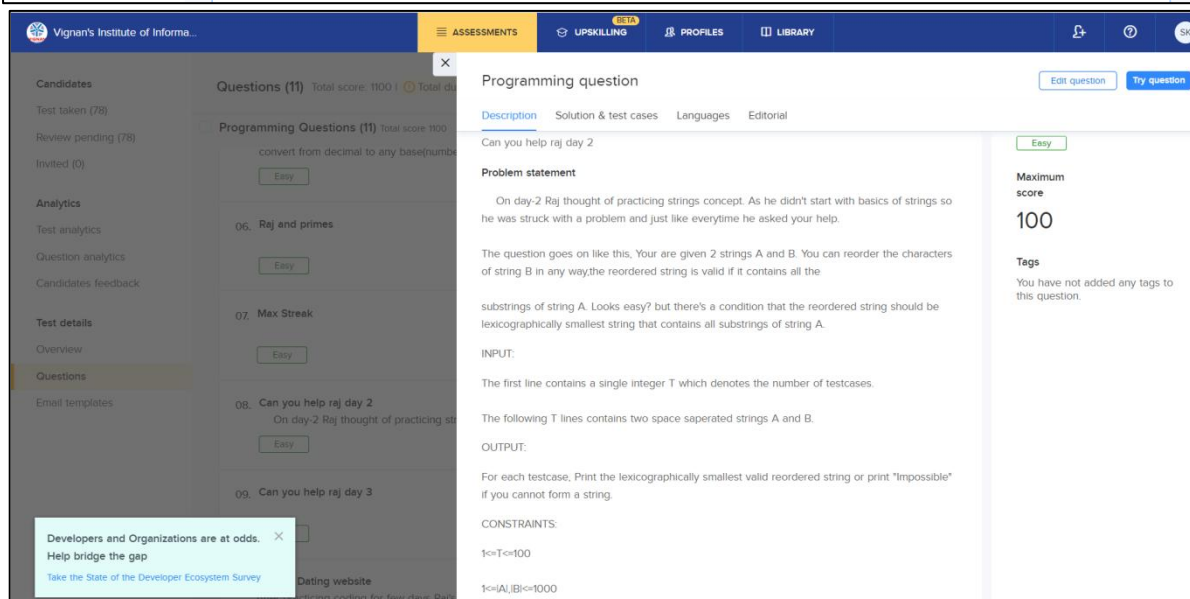
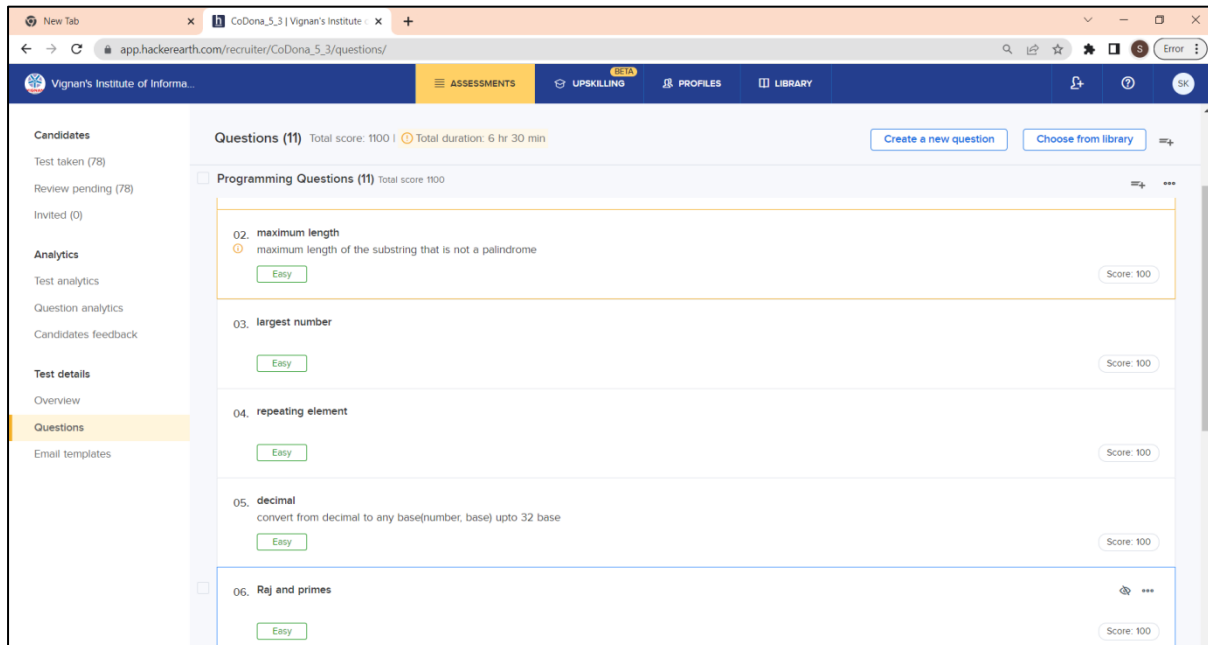
The screenshot displays the 'Test taken' page for the 'CoDona_5_3' contest. It shows a list of candidates who took the test, including their name, email, finished time, status, score, and attempt percentage. The table is sorted by score in descending order.

#	Candidate info	Finished at	Status	Score (100)	Interview details	Attempt %
01	Mahatej Varma mahatejvarma000@gmail.com	Apr 08, 2020 06:11 PM IST	Review pending	1060	Get interview link	100 %
02	17L31A05S1 appmrohan@gmail.com	Apr 08, 2020 07:23 PM IST	Review pending	1000	Get interview link	90.91 %
03	Lesya Swetha Adari lesyaswethaadari@gmail.com	Apr 08, 2020 07:46 PM IST	Review pending	980	Get interview link	100 %
04	Gudla Sai Sanjana gsaisanjana21@gmail.com	Apr 08, 2020 06:09 PM IST	Review pending	980	Get interview link	100 %
05	Teja Swaroop tejaswaroop77@gmail.com	Apr 08, 2020 05:44 PM IST	Review pending	960	Get interview link	100 %
6	17L31A05I3 dsuryesaktiss@gmail.com	Apr 08, 2020 05:40 PM IST	Review pending	910	Get interview link	90.91 %
7	17L31A05I4 aravindchintalapudi1910@gmail.com	Apr 08, 2020 07:31 PM IST	Review pending	890	Get interview link	90.91 %

Students' participation in coding contests



Criteria – II – Teaching - Learning and Evaluation



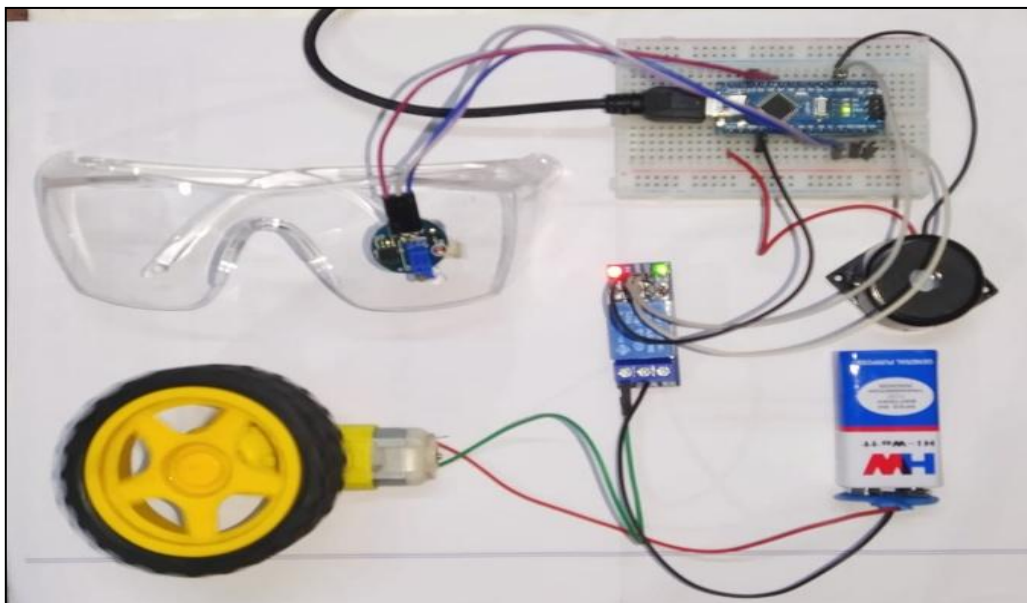
Questions given in coding challenges



Criteria – II – Teaching - Learning and Evaluation

Mini Projects

- Mini projects are allocated to students in 6th semester with an objective to develop problem-solving and presentation skills, excellent team spirit.



Anti-Sleeping Glasses, a sleep detection and alarming system was developed by II ECM students under mentorship of Mrs. Indira Devi.



User friendly and cost effective **Farm Tech** developed to test the soil

- **Impact:** Students' developed research skills, self-confidence and a sense of achievement.



Criteria – II – Teaching - Learning and Evaluation

Project Expo

Ideathon 2021 as was conducted on September 15, 2021 at VIIT as a part of the Annual technical fest VISTA 2021. 80 students participated in it to exhibit their project Models.

IDEATHON
For
Healthy Planet
14th & 15th September
LIVE MODEL

IDEATHON THEMES:

- ▶ SMART IRRIGATION SYSTEMS
- ▶ HOME AUTOMATION AND SECURITY SYSTEMS
- ▶ OFFICE AUTOMATION
- ▶ WEARABLE TECHNOLOGY FOR HEALTH MONITORING
- ▶ AUTOMATED HAND SANITIZERS
- ▶ COCONUT WATER EXTRACTION SET
- ▶ INNOVATIVE HOME BARBEQUE SET
- ▶ AUTOMOTIVE SYSTEMS USING IOT
- ▶ AGRICULTURE SYSTEMS USING IOT BOARDS
- ▶ ANY OTHER INNOVATIVE IDEA WHICH CATER TO SOCIO- CULTURAL NEEDS.
- ▶ NON-CONTACT TEMPERATURE MEASUREMENT SYSTEMS USING SENSORS LIKE AMG8833 OR AMG 8834

REGISTRATION:
FEE: 100/- for Student and 200/- for faculty
Link For students: <https://forms.gle/3EHeMVAEB8dFn27>
Link For Faculty: <https://forms.gle/tpQ2SX8f3cL7T9Ax8>
Last date: 12th September 2021

THE TEAMS SHOULD CONSIST OF 3-5 MEMBERS.

BOTH STUDENTS AND STAFF MEMBERS ARE ELIGIBLE FOR THIS COMPETITION. STAFF CAN ENROLL AS INDIVIDUALS.

BEST TEAM WILL BE AWARDED WITH ATTRACTIVE CASH PRIZES. CERTIFICATES TO THE WINNING TEAMS AND TO THE OTHER TEAMS AS FINALISTS OF THE VIIT IDEATHON 1.0

FACULTY COORDINATORS:
Dr.N.V.S.Shankar (8008129196)
Mr.A.S.Dakshina Murthy (9491767300)
Mr.Mohan Manthy (9505078769)

IDEATHON 2021 Poster



Demonstration of project to judges during IDEATHON 2021



Criteria – II – Teaching - Learning and Evaluation

Start-up Initiatives

Webinar on
ENTREPRENEURSHIP AND INNOVATION AS CAREER OPPORTUNITY

SPEAKER
Dr. Y V RAO
Professor, School of Management
Pondicherry Central University, Pondicherry

Date & Time
12th November 2021 (Friday) 6:00 PM TO 8:00 PM

Faculty Registration Link: <https://forms.gle/tVbyuCfoQ21ug894A>
Student Registration Link: <https://forms.gle/w1Ax3tE1Zjc5jdCH6>

Registration Fee of Cost

CONVENERS:
Dr. N V S Shankar, IIC & IDEA LAB
Dr. S M Murali Krishna, HEAD EISC
Dr. Naga Jyothi, Dean - Academics
Dr. K S NAIK, IDEA Lab

COORDINATORS:
Dr. T Archana Acharya
Dr. Girish Bhigade
Mr. Sampath Dakshina Murthy Achanta
Mr. Madhusudhan Donga
Mr. Mohan Mohanty
Mr. Kothi Avinash

Organised by: IIC, IDEA LAB & EISC

Developing entrepreneurial thinking

An entrepreneurial mind set includes:

- Aspects of personality and social identity
- Personal ambition and goals
- Personal confidence and resilience
- Self-disciplined and personal organization
- Understanding of one's own motivation
- Ability to go beyond personal limitations and achieve results
- Tolerance of uncertainty, ambiguity, risk, and failure
- Personal values: ethical, social and environmental awareness

Visakhapatnam, Andhra Pradesh, India
P55C+3F3, Visakhapatnam, Andhra Pradesh 530046, India
Lat 17.707121°
Long 83.172102°
12/11/21 06:27 PM

Webinar on “Entrepreneurship and Innovation” by Prof. Y.V. Rao, School of Management, Pondicherry University was organised on Nov 12, 2021, from 06:00 p.m. to 08:00 p.m.

- To encourage the students towards establishment start-ups, IIC, VIIT (A) & EISC, VIIT (A) in collaboration with Start-up House (and external funding agency) organized auditions to shortlist ideas for possible funding.

Visakhapatnam, Andhra Pradesh, India
Unnamed Road, Block D, Visakhapatnam, Andhra Pradesh 530049, India
Lat 17.710481°
Long 83.165767°
22/11/21 12:07 PM

STARTUP HOUSE AUDITIONS
VIIT - VISAKHAPATNAM

REGIONAL LEVEL AUDITIONS OF STARTUP HOUSE ASSOCIATION WITH PROGRAM'S AUDITION OF ASSOCIATION

GPS Map Camera



Criteria – II – Teaching - Learning and Evaluation



Startup House Auditions conducted on November 22, 2021.

Impact:

THE HANS INDIA

Two ideas of VIIT students shortlisted for startup

HANS NEWS SERVICE
VISAKHAPATNAM

THE national-level auditions for the Start-up House were held at Vignan's Institute of Information Technology (VIIT) campus in association with Vignan's Institute of Information Technology here on Monday. About 24 teams across the region participated in the event and two start-up ideas have been selected for funding. Raju Singh, national president, RSS Sangathan, Kishore, national secretary, RSS Sangathan, Dr Vinod Kumar, CEO, Start-up House, Rajasabhe Patil, Supreme Court advocate, B K Mallareddy, High Court advocate and V Madhusudhan Rao, Rector, VIIT participated in the event

Ideas shared by the students of VIIT shortlisted for setting up start ups at the audition held at the campus in Visakhapatnam on Monday

and shortlisted the start-up ideas.

Of the 24 teams, two start-up ideas of VIIT students were shortlisted from the region. They include an energy efficient cooking stove (model) presented by E Manohar, III

EEE and team and e-Bikes for rent (concept) by P Venkatesh, III MECH and team.

Event coordinator Shankar, HoDs, staff members along with 500 students participated in the event.

Two ideas, AGNI – I (wood gas stove) by III year EEE students and Dezired Spark (E-Vehicles using solar power) by III Year Mechanical Engineering Students were shortlisted for possible funding.