



Gokaraju Rangaraju
Institute of Engineering and
Technology

Department of ECE

Institute of Electronics and
Telecommunication Engineers
(IETE)



ANNUAL REPORT-19-20

Introduction:

This report is a quick and detailed review of all the events conducted by IETE student body.

The list of all the events handled is:

- 1.An Innovative Indoor Photography and Editing Challenge
- 2.Synthesizable Subset of Verilog
- 3.Block chain Technology
- 4.Industrial Visit
- 5.IoT with LoRa and Google Firebase
- 6.Getting started with python programming
- 7.Designing of Apps using MIT app inventor
- 8.DS for NOOBS

Here comes the overview of annual events individually.


Overview of the events:

An Innovative Indoor Photography and Editing Challenge :

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	GRIET		
Department	ECE	Professional Body	Institutional Body
		IETE	ISF
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	Extracurricular Activity		
Title / Theme of the Event	An Innovative Indoor Photography and Editing Challenge		
Details of the Coordinator& Designation	Ms R S Uma Suseela, IETE Coordinator Assistant Professor		
Event Dates/Days	From	To	No. of Days
	31th March 2020		1
Details of the Speaker / Guest Organization	Nil		

Address:					
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty	No. of UG students	No. of PG Students	No. of outside participants	Total Participants
	1	30	0	0	31
Faculty Names & Designation	Ms R S Uma Suseela, Assistant Professor				
Summary of the Event	<p>This competition has been administered by Atelier Photo Club of IETE. The event is all about capturing the pictures of the genres viz., Light Painting, Product, Portrait and Abstract photographs. The photographs were suggested to edit to give more effect. There were about 30 participants who took part in this event. Photographs of all participants were posted in the Instagram's Atelier photo club page. The participants turned up with remarkable photos. Among these Sai Venkat and Reethika Rao photos have been selected and are regarded marvelous.</p>				
IRG (in rupees)	nil				
Expenditure (in rupees)	nil				


<p>POs attained with this Event</p> <p>(number and description)</p>	
<p>Photographs of the event</p> <p>(Hard copy and Soft copy)</p>	
<p>Proofs:</p> <ol style="list-style-type: none">1.Certificates copies2.Profile of Speaker3.PPT/Material as applicable. etc.,	

Synthesizable Subset of Verilog:

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	GRIET		
Department	ECE	Professional Body	Institutional Body
		IETE	ISF
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	Webinar		
Title / Theme of the Event	Synthesizable Subset of Verilog		
Details of the Coordinator& Designation	Ms R S Uma Suseela, IETE Coordinator Assistant Professor		
Event Dates/Days	From	To	No. of Days
	29 May 2020		1
Details of the Speaker / Guest	Mr.Raja Bandi,Founder&Director,Lucid VLSI Pvt.Ltd,Hyderabad.		

<p>Organization</p> <p>Address:</p>	<p>Lucid VLSI Pvt.Ltd,Hyderabad.</p>				
<p>Participants</p> <p>(Teaching Faculty / Non-Teaching Faculty / Students)</p>	<p>No. of Faculty</p>	<p>No. of UG students</p>	<p>No.of PG Students</p>	<p>No. of outside participants</p>	<p>Total Participants</p>
<p>Faculty Names & Designation</p>	<p>4</p> <p>50</p> <p>0</p> <p>0</p> <p>54</p> <p>Dr.N.Swetha, Professor</p> <p>Dr V.Sree Hari, Professor</p> <p>Ms R.S.Uma Suseela, Assistant Professor</p> <p>Mr K.N.V.Khasim, Assistant Professor</p>				
<p>Summary of the Event</p>	<p>Mapping code to hardware,Latches ,Oscillators and how to avoid them,How to convert state machines into Code ,Avoiding multiple drivers are covered in this session.</p>				


<p>IRG (in rupees)</p>	<p>NIL</p>																						
<p>Expenditure (in rupees)</p>	<p>NIL</p>																						
<p>POs attained with this Event</p>	<p>1.Ability to aquire knowledge in new technologies 2.Ability to do many project on their own using this Technology. 3.Ability to learn coding and Programming</p>																						
<p>Photographs of the event (Hard copy and Soft copy)</p>	 <p>Gokaraju Rangaraju Institute of Engineering and Technology WEBINAR ON SYNTHESIZABLE SUBSET OF VERILOG 29 May 2020 Organized by Department of Electronics and Communication Engineering and IETE SB, GRIET in association with LucidVLSI Pvt.Ltd.</p> <p>Speaker: Mr. Raja Bandi, Founder & Director, LucidVLSI Pvt.Ltd, Hyderabad, https://www.linkedin.com/in/rqbandi/ -Total of 28 years of experience -16 years in industry (which includes 4 years in Synopsys, USA) -12 years in teaching (which includes 2.5 years as faculty at VedaIIT, Hyderabad) -Trained almost 3000+ students in the areas of VLSI</p> <table border="1"> <tr> <td>Mode of Session</td> <td>Program Content:</td> <td>Program Details:</td> </tr> <tr> <td>a) Live and Interactive</td> <td>a) Mapping of code to hardware</td> <td>Free registration</td> </tr> <tr> <td>b) No Slides will be used</td> <td>b) Latches and how to avoid them</td> <td>Time: 10:00am-12pm</td> </tr> <tr> <td>c) Runtime Simulation</td> <td>c) Oscillators and how to avoid them</td> <td>Link to join the webinar:</td> </tr> <tr> <td></td> <td>d) How to convert state machines into Code</td> <td>https://www.zoom.us/j/940012121212</td> </tr> <tr> <td></td> <td>e) Avoiding multiple drivers</td> <td>E-Certificate will be issued</td> </tr> </table> <table border="1"> <tr> <td>Chairman: Dr. N Sivartha Professor & HoD ECE Department, GRIET</td> <td>Coordinator: Dr. V Sree Hari Associate Professor ECE Department, GRIET</td> <td>Coordinator: Smt. P. S Uma Suseela Assistant Professor & Incharge IETE SB, ECE Department, GRIET</td> <td>Coordinator: Mr. K N V Krishna Assistant Professor ECE Department, GRIET</td> </tr> </table>	Mode of Session	Program Content:	Program Details:	a) Live and Interactive	a) Mapping of code to hardware	Free registration	b) No Slides will be used	b) Latches and how to avoid them	Time: 10:00am-12pm	c) Runtime Simulation	c) Oscillators and how to avoid them	Link to join the webinar:		d) How to convert state machines into Code	https://www.zoom.us/j/940012121212		e) Avoiding multiple drivers	E-Certificate will be issued	Chairman: Dr. N Sivartha Professor & HoD ECE Department, GRIET	Coordinator: Dr. V Sree Hari Associate Professor ECE Department, GRIET	Coordinator: Smt. P. S Uma Suseela Assistant Professor & Incharge IETE SB, ECE Department, GRIET	Coordinator: Mr. K N V Krishna Assistant Professor ECE Department, GRIET
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Block chain Technology:

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	GRIET		
Department	ECE	Professional Body	Institutional Body
		IETE	ISF
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	Workshop		
Title / Theme of the Event	Block chain Technology		
Details of the Coordinator& Designation	Ms R S Uma Suseela, IETE Coordinator Assistant Professor		
Event Dates/Days	From	To	No. of Days
	14 th March 2020		1
Details of the Speaker / Guest Organization Address:	Mahesh Uttam Patel, The Additional Director of Center for Development of Advanced Computing (CDAC).		

Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty	No. of UG students	No. of PG Students	No. of outside participants	Total Participants
	3	35	0	0	38
Faculty Names & Designation	Ms R S Uma Suseela, Assistant Professor A.Radhanand, Associate Professor KNB Kumar, Associate Professor				
Summary of the Event	The basics on Cryptography, Cipherring and Decipherring the text, Tools for Ethereum Block chain etc., are covered in this workshop				
IRG (in rupees)	INR 8000				
Expenditure (in rupees)	INR 15000				

<p>POs attained with this Event (number and description)</p>	<p>1.Ability to aquire knowledge in new technologies</p> <p>2.Ability to do many project on their own using this Technology.</p> <p>3.Ability to learn coding and Programming.</p>
<p>Photographs of the event (Hard copy and Soft copy)</p>	
<p>Proofs:</p> <p>1.Certificates copies</p> <p>2.Profile of Speaker</p> <p>3.PPT/Material as applicable. etc.,</p>	

Industrial Trip:

GRIET/Other institutes/Organization Address:	Gokaraju Rangaraju Institute of Engineering and Technology				
Department	ECE	Professional Body	Institutional Body		
		IETE	GRIET		
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	Industrial Visit (Radiant Appliances and Electronics Pvt. Ltd. Plot no S-2 A1 Survey No. 111,112, E City Fab City Ravirala Village Maheshwaram Mandal R.R. District Hyderabad - 501359 TS India)				
Title / Theme of the Event	Led TV Assembling Unit				
Details of the Coordinator & Designation	R.S.Uma Suseela Asst Prof				
Event Dates/Days	From	To	No. of Days		
	30/09/2019		1		
Details of the Speaker / Guest Organization Address:	Shri Mahendar R & D Engineer Radiant Appliances and Electronics Pvt. Ltd.				
Participants (Teaching Faculty / Non-Teaching Faculty / Students) Enclose participants list	No.of Faculty	No. of UG students	No.of PG Students	No.of outside participants	Total Participants

	02	35			37
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Faculty Names & Designation	R.Uma Suseela, Y.Priyanka
Summary of the Event	Attached
IRG (in rupees) Deposited A/C no A/C name and date and other details(enclose proof-A/C statement)	Nil
Expenditure (in rupees) (Enclose proof-bills)	Rs 200 (Driver and cleaner beta)+ Rs285(Toll charge)+ 80(Lunch) Total Rs 565/-
POs attained with this Event (number and description)	PO b. Ability to design and conduct experiments, as well as to analyze and interpret data. PO c. Ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. PO d. Ability to function on multi-disciplinary teams. PO e. Ability to identify, formulate, and solve engineering problems.

<p>Photographs of the event (Hard copy and Soft copy)</p>	
<p>Proofs: 1.Certificates copies 2.Profile of Speaker 3.PPT/Material as applicable. etc.,</p>	<p>Enclosed</p>

IoT with LoRa and Google Firebase

IETE(Institute for Electronics and Telecommunication Engineers)GRIET had planned and successfully organized IoT with LoRa and Google Firebase as a part of their events on 20th September,2019.

This event was exclusively conducted for the first year and Second year students of all the branches. All the participants assembled in the Seminar Hall of ECE block from 10am to 4.00pm . The resource persons are our faculty and fewstudents from final year.



One among the emerging and building technologies is IoT. This workshop was conducted to teach the students the ways to work with IoT devices being connected with Lora and Google firebase.. The number of students attended the workshop are 200.

The whole event was coordinated by Ms.Uma Suseela IETE Coordinator, Faculty of ECE Department.

Photography club under IETE made sure that all the moments were captured.

Getting started with python programming

IETE(Institute for Electronics and Telecommunication Engineers)GRIET had planned and successfully organized Getting started with python programming

as a part of their events on 19th September,2019.

This event was exclusively conducted for the first year and Second year students of all the branches. All the participants assembled in the Seminar Hall of ECE block from 10am to 4.00pm . The resource persons are our faculty and few students from final year.



The basics of trending programming language "python" were taught to the students . The number of students attended the workshop are 140.

The whole event was coordinated by Ms.Uma Suseela IETE Coordinator, Faculty of ECE Department.

Photography club under IETE made sure that all the moments were captured.

Designing of Apps using MIT app inventor

IETE(Institute for Electronics and Telecommunication Engineers)GRIET had planned and successfully organized Designing of Apps using MIT app inventor as a part of their events on 18th September,2019.

This event was exclusively conducted for the first year and Second year students of all the branches. All the participants assembled in the Seminar Hall of ECE block from 10am to 4.00pm . The resource persons are our faculty and few students from final year.



The event's motive was to create a basic overview on app design to the students. They were taught building apps with creative features using MIT app builder. The number of students attended the workshop are 132.

The whole event was coordinated by Ms.Uma Suseela IETE Coordinator, Faculty of ECE Department.

Photography club under IETE made sure that all the moments were captured.

Griet/Other institutes/Organization Address:	GRIET				
Department	ECE	Professional Body		Institutional Body	
		IETE		ISF	
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ FDP/GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Any Co & Extracurricular Activities)	Workshop				
Title / Theme of the Event	DS FOR NOOBS				
Details of the Coordinator& Designation	Ms R S Uma Suseela, IETE Coordinator Assistant Professor				
Event Dates/Days	From	To	No. of Days		
	20 July 2019	20 July 2019	1		
Details of the Speaker / Guest Organization Address:	NA				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No. of Faculty	No. of UG students	No. of PG Students	No. of outside participants	Total Participants
	3	15	0	0	15

Faculty Names & Designation	<p>Ms R S Uma Suseela, Assistant Professor</p> <p>Dr HimaBindu Valiveti, Professor</p> <p>Ms Ch Pratyusha Chowdari, Assistant Professor</p>
Summary of the Event	<p>. The workshop provided students with Introduction to Python, Introduction to libraries like seaborn, matplotlib, numpy , pandas, introduction to interactive python environment i.e Jupyter notebook and Data cleaning and preprocessing.</p>
IRG (in rupees)	<p>INR 3750/-</p>
Expenditure (in rupees)	<p>INR 3302/-</p>
POs attained with this Event (number and description)	<p>POa, POc, POd, POf, POG, POi, POj</p>

Photographs of the event

(Hard copy and Soft copy)



Proofs:

- 1. Certificates copies
- 2. Profile of Speaker
- 3. PPT/Material as applicable. etc.,



Conclusion:

We, the members of IETE put our extreme efforts to bring the best outcomes from each event. Students from all the clubs coordinated well to organize and manage all the events in a prolific manner.