

6.3.3

Sample reports of
FDP/MDP/Refresher courses
attended by the faculty members
along with resource person details
and participation certificates

REPORT ON

Five day faculty development program on
“Futuristic trends in Thermal Engineering”

Dates:8/10/2018-12/10/2018



Organized by

Department of Mechanical Engineering

**GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

Contents

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	3
3	List of Participants	3
4	Schedule of the Event	10
5	List of Resource Persons	10
6	Photographs	12

DP-71

Section 1

Brief Report of the Event : FDP
 Background : Faculty Development program on Futuristic trends in Thermal Engineering

Objectives of the program : The Faculty Development Program on HVAC focuses on Air Conditioning, Heat Transfer and Energy Conversion as they assess the current state of the art and road map crucial areas for future faculty. The FDP will become a solid flat form for faculty from different colleges and industry to share their research findings, exchange ideas, discover novel opportunities meet colleagues to broaden their knowledge and bridge the gap between academia and industry. The various topics are Air Conditioning, Heat Transfer and Energy Conversion. This faculty development program is aimed to provide an excellent platform for an in-depth discussion and interaction on advanced control techniques used for renewable energy power management.

Organization of Event : Mechanical Department
 For whom : Faculties to the Various Colleges
 Topics to be covered : Gas power cycles
 Steam nozzles
 Steam turbines
 Reciprocating and rotary air compressors
 Internal combustion engines
 Organizing team : Mr. B. JogaRao, Co-ordinator

Section 2

List of Participating Institutions: GIET(A)

Section 3

List of Participants

Department / Institute : Mechanical and Automobile students- GIET(A)

S. No	Name	Department	College
1	Ms. Sandhya Rani Vakalapudi	Mechanical	Pragati Engineering College
2	Mr. M.R.K.R.Chowdary	Mechanical	Pragati Engineering College
3	Ms.Ch.Manjusha	Mechanical	Pragati Engineering College
4	SK.ADAMSHA	Mechanical	Ideal Institute of Technolog
5	N.KRISHNAKANTH	Mechanical	Ideal Institute of Technolog

DP-71

6	J.L.PRATHYUSHA	Mechanical	Ideal Institute of Technolog
7	K.S.RAMBABU	Mechanical	Ideal Institute of Technolog
8	N.KRISHNAKANTH	Mechanical	Ideal Institute of Technolog
9	N.RAJA	Mechanical	Ideal Institute of Technolog
10	M.DEDHEEPAYA	Mechanical	Ideal Institute of Technolog
11	Dr M Sreenivasa Rao	Mechanical	GIET
12	SHAIK NAYEEM	Mechanical	GIET
13	K Sreenivasa Reddy	Mechanical	GIET
14	BIKKAVOLU JOGARAO	Mechanical	GIET
15	Dr. G Ramakrishna	Mechanical	GIET
16	Dr. Tankeshwar Prasad	Mechanical	GIET
17	Dakey Suman	Mechanical	GIET
18	ALAPATI BABJI	Mechanical	GIET
19	KEDARISETTI GOWTHAMI	Mechanical	GIET
20	ARUNA KUNDA	Mechanical	GIET
21	MOHAMMED ABDUL S	Mechanical	GIET
22	AVINASH KAPIL SHAIK	Mechanical	GIET
23	NARASA RAJU GOSANGI	Mechanical	BVC
24	V V S MANEENDRA PATNALA	Mechanical	BVC
25	SRINIVASARAO MADHAVARAM	Mechanical	BVC
26	HARISH KUMAR CH	Mechanical	BVC
27	VINODH CHOPPALA	Mechanical	BVC

DP-71

28	POTTURI S PRAKASH	Mechanical	SHRI VISHNU ENGINEERING COLLEGE
29	Javvadi Eswara Manika	Mechanical	SHRI VISHNU ENGINEERING COLLEGE
30	Adina Srinivasa Vara P	Mechanical	SHRI VISHNU ENGINEERING COLLEGE
31	Mankari Venkatesh	Mechanical	SRI VASAVI ENGINEERING
32	VATHADI DURGA RAO	Mechanical	SRI VASAVI ENGINEERING
33	MADHAVARAM SRINI	Mechanical	SRI VASAVI ENGINEERING
34	CHANDALURI RUPENDRA	Mechanical	GIET
35	DAKKATHA MADHUSUDHAN	Mechanical	GIET
36	DAMPANABOINA YUVASAI	Mechanical	GIET
37	DARRU SAI	Mechanical	GIET
38	GORLE VASANTH KUMAR	Mechanical	GIET
39	GORRELA BANGARU BABU	Mechanical	GIET
40	GUJJU JAYASURYA	Mechanical	GIET
41	GURRAM SIVA	Mechanical	GIET
42	LALAM SUDHEER KUMAR	Mechanical	GIET
43	KEDARISSETTY AKHILESH	Mechanical	GIET
44	MADHABATHULA SAI TEJA	Mechanical	GIET
45	MARAPATLA RAHUL GANDHI	Mechanical	GIET
46	NAARE NARENDRA	Mechanical	GIET
47	NALLABALLI SRIKANTH	Mechanical	GIET
48	NARAPAREDDY SURESH	Mechanical	GIET

DP-71

	KUMAR		
49	NELLIPUDI RAVI	Mechanical	GIET
50	NEMAVARAPU BHAGATH VIJAY KUMAR	Mechanical	GIET
51	NUNE ANAND KUMAR	Mechanical	GIET
52	PODAGATLA VENKATA SAIRAJU	Mechanical	GIET
53	PYDI NAVEEN KUMAR	Mechanical	GIET
54	RAMANJULA SHINY PREETHAM	Mechanical	GIET
55	SANDASI RAJESH	Mechanical	GIET
56	SHAIK SHAHENSHA	Mechanical	GIET
57	SIDDANA BHAVAN RATNA KUMAR	Mechanical	GIET
58	GANITHI BALA GOPALA KRISHNA	Mechanical	GIET
59	JONNADA VEERRAJU	Mechanical	GIET
60	ADDAGARLA JAYARAM	Mechanical	GIET
61	SUMIT KUMAR BHIMAL	Mechanical	GIET
62	AYINAVILLI AKHILESH GOWD	Mechanical	GIET
63	BANDARUPALLI SRINADH	Mechanical	GIET
64	BHIMANA NAVEEN	Mechanical	GIET
65	BOLLIPALLI GOPI RAJU	Mechanical	GIET
66	BOTTA KIRANCHANDRA	Mechanical	GIET
67	CH SURESH BHADRA KUMAR	Mechanical	GIET

DP-71

68	DHUDALA VENKATA SURESH	Mechanical	GIET
69	GADDE SAI KRISHNA	Mechanical	GIET
70	GANTA RUSHIKESH	Mechanical	GIET
71	KETHA ADI SESHU	Mechanical	GIET
72	KODURI GIRISH PAVAN KUMAR	Mechanical	GIET
73	KOTIPALLI JEEVAN KUMAR	Mechanical	GIET
74	KOVVURI GANGADHARA PHANI KUMAR REDDY	Mechanical	GIET
75	MARAM PRASANTH REDDY	Mechanical	GIET
76	MEDITHA GEETHA SURYA SATYA SAIRAM	Mechanical	GIET
77	NADIMPALLI SAI NIKHIL	Mechanical	GIET
78	NAGULAPALLI KISHORE	Mechanical	GIET
79	NALLAMILLI SIVA BRAHMA NAIDU	Mechanical	GIET
80	NALLI BRIANANAND	Mechanical	GIET
81	PEDAVERRI ROHITH	Mechanical	GIET
82	PENUMAKA MADHU	Mechanical	GIET
83	POLIPALLI SRI NAGA RAJEEV	Mechanical	GIET
84	POLNATI VEERA VENKATA PRASAD	Mechanical	GIET
85	SAHU VENU GOPAL	Mechanical	GIET
86	SEERAMSETTY VAMSIKRISHNA	Mechanical	GIET

DP-71

87	SIRINGI SHYAM KUMAR	Mechanical	GIET
88	TETALA ROHITH SAINADH REDDY	Mechanical	GIET
89	THATHINENI NAGA VENKATA MANOJ KUMAR	Mechanical	GIET
90	VUSTELAMURI SUDARSANREDDY	Mechanical	GIET
91	YATA SRI RAM	Mechanical	GIET
92	YELLAPU LALITH SAI KUMAR	Mechanical	GIET
93	YERRAMSETTI RAJA SAI PHANI KRISHNA	Mechanical	GIET
94	AKASH KUMAR	Mechanical	GIET
95	ALLU DHANUNJAYA NAIDU	Mechanical	GIET
96	CHEEDEM VINAY	Mechanical	GIET
97	GARAPATI SARAN BHARGAV	Mechanical	GIET
98	NALAM B V N V NARASIMHA BUTCHESWARA RAO	Mechanical	GIET
99	CHEEDEM VINAY	Mechanical	GIET
100	ADDALA SAIKUMAR	Mechanical	GIET

Section 4

Schedule of the FDP

Venue: R.K.Block Seminar hall

DP-71

<p style="text-align: center;">A Five Day Faculty Development Programme</p> <p style="text-align: center;">On <i>"Futuristic Trends in Thermal Engineering"</i></p> <p style="text-align: center;">8th-12th October 2018</p> <p style="text-align: center;">***</p> <p style="text-align: center;">REGISTRATION FORM</p> <p>Name : _____</p> <p>Designation : _____</p> <p>Department: _____</p> <p>Institution/ : _____</p> <p>College : _____</p> <p>Address : _____</p> <p>Contact No : _____</p> <p>E-mail ID : _____</p> <p>Place: _____</p> <p>Date: _____</p> <p style="text-align: right;">Applicant's Signature</p> <p><u>Registration:</u> Participants have to send their registration form to the coordinators in the prescribed format duly attested by the Head of the Institution.</p> <p style="text-align: center;">SPONSORSHIP CERTIFICATE</p> <p>Ms/Mr.....</p> <p>..... is a faculty of our organization and sponsored to attend the workshop on "FUTURISTIC TRENDS IN THERMAL ENGINEERING". He/she will be permitted to attend the program, if selected.</p> <p style="text-align: right;">Signature of the Head of the Institution</p>	<p><u>CHIEF PATRON</u> Sri. K.V.V.SATYANARAYANA RAJU Chairman, Chaitanya Group of Institutions</p> <p><u>PATRON</u> Sri. Sasi Kiran Varma Kalidindi Vice Chairman, Chaitanya Group of Institutions Smt. Lakshmi Sasi Varma Kalidindi Executive Director, Chaitanya Group of Institutions Dr. DLN Raju, CEO, Chaitanya Group of Institutions Dr. P. Subba Rao, GM, GIET Campus</p> <p><u>CHAIRMAN</u> Dr. N. Leelavathy Principal, GIET (A).</p> <p><u>CONVENER</u> Dr. T. Jayanand, Ph. D. HOD-ME, GIET (Autonomous).</p> <p><u>ADVISORY COMMITTEE</u> Dr. L.S.Gupta, Prof. of ME & Director Dr. SVSN. Murty, Vice-Principal (Admin.) Dr. T. Jayanand Kumar, Dean -A & A Prof. K. Subba Rao, Dean -SD & CE Dr. V. Kusuma Kumari, Dean -HBS Dr. D.Ravi Kishore, HoD, EEE Dr. P. Venkat Rao, HoD, ECE Dr. B.Sujatha, HoD, CSE Dr. D. Venkateswarlu, HoD, Civil Prof. V. Subrahmanyam, HoD, AME Dr. P.R.K. Raju, Director -DMS Dr. Srija Madhu, HoD, L & D</p> <p><u>COORDINATOR:</u> Mr. B.Jogarao Associate Professor, Mobile No: +91 - 9959741005 Email: jogarao.bikavolu@gmail.com</p>	<p style="text-align: center;">A 5-Day FDP on</p> <p style="text-align: center;"><i>"FUTURISTIC TRENDS IN THERMAL ENGINEERING"</i></p> <p style="text-align: center;">8th- 12th October 2018</p> <div style="text-align: center;">  </div> <p style="text-align: center;"><u>CONVENER</u> Dr. T. Jayanand Head of the Department</p> <p style="text-align: center;"><u>COORDINATORS</u> Mr. B. Jogarao Associate Professor</p> <div style="text-align: center;">  </div> <p style="text-align: center;">Department of Mechanical Engineering Godavari Institute of Engineering and Technology (Autonomous) (Permanently Affiliated to JNTUK) (Approved By AICTE) NH-16, Chaitanya Knowledge City, Rajahmundry- 533 296 EAST Godavari District, Andhra Pradesh, India</p>
<p><u>REGISTRATION FEE:</u></p> <p>The Registration fee is NIL for the faculty members. The number of participants is limited to 40 and is selected as first come first serve basis. Those who are interested to learn and understand in "Advances in Welding and its applications" can apply for this FDP.</p> <p><u>IMPORTANT DATES:</u> Last date for Registration: 09. Feb-2018 Intimation of Acceptance by Email: 10. Feb -2018</p> <p><u>VENUE:</u> Main Block, Giet Campus</p> <p><u>ABOUT THE COLLEGE:</u></p> <p>Godavari Institute of Engineering & Technology (GIET) was established in 1998 to offer engineering education of world-class standards. Over the years, the college has come a long way to gain a place of repute and a preferred destination for quality engineering education. Located in the serene and sylvan suburbs of Chaitanya Knowledge City, Rajahmundry the sprawling 300-acre campus of GIET reflects the finest educational facilities around. Widely spread buildings and labs set amidst idyllic setting ensures a most congenial atmosphere for scholastic pursuit in right earnest. An ISO-certified, NBA-accredited and NAAC-A+ Grade accredited institution; GIET as Autonomous institution has many distinctions to its credit.</p> <p>The institute is offering 7 UG programmes in engineering with 780 intake, 10 PG programmes including M.Tech, MBA & MCA.</p> <p>B.Tech. Automobile Engineering B.Tech. Civil Engineering B.Tech. Computer Science & Engineering B.Tech. Electrical & Electronics Engineering B.Tech. Electronics & Comm. Engineering</p>	<p>B.Tech. Mechanical Engineering B.Tech. Mining Engineering M.Tech. CAD / CAM M.Tech. Computer Science & Engineering M.Tech. Digital Electronics & Comm. Systems M.Tech. Power Systems M.Tech. Software Engineering M.Tech. Structural Engineering M.Tech. Thermal Engineering M.Tech. VLSI & Embedded Systems M.B.A. & M.C.A.</p> <p><u>ABOUT THE DEPARTMENT:</u></p> <p>The Department of Mechanical Engineering is one of the leading departments in the Institute, with highly qualified full-time faculty members and full-time administrative and technical support staff. The department offers B.Tech., M.Tech., and Ph.D. degree programs, with over 600 undergraduate, 40 M.Tech. students on roll. The department has over 20 instructional and research laboratories, equipped with some of the state-of-the-art scientific instruments, latest software's and systems. The vision of the department is to be recognized as a center of excellence in Mechanical Engineering education, research and consultancy. To achieve this goal, the department strives to engender high quality graduates through scrupulous courses and progressive research activities. The students in the department are encouraged to take contemporary the problems faced by industries and society. Students are educated to deal with those problems through innovative thinking to develop appropriate technological solutions. In addition to the regular academic work, the students of the department are encouraged to participate in co-curricular activities. Research interest of the faculty members Design Engineering, Manufacturing Engineering and Thermal Engineering.</p>	<p><u>ABOUT THE PROGRAMME:</u></p> <p>The Faculty Development Program on HVAC focuses on Air Conditioning, Heat Transfer and Energy Conversion as they assess the current state of the art and road map crucial areas for future faculty. The FDP will become a solid flat form for faculty from different colleges and industry to share their research findings, exchange ideas, discover novel opportunities meet colleagues to broaden their knowledge and bridge the gap between academia and industry. The various topics are Air Conditioning, Heat Transfer and Energy Conversion. This faculty development program is aimed to provide an excellent platform for an in-depth discussion and interaction on advanced control techniques used for renewable energy power management.</p> <p><u>TOPICS TO BE COVERED:</u></p> <ol style="list-style-type: none"> 1. Gas power cycles 2. Steam nozzles 3. Steam turbines 4. Reciprocating and rotary air compressors 5. Internal combustion engines <p><u>RESOURCE PERSONS:</u></p> <p>Dr. T. Sreenivasa Rao Proprietor VVIT Guntur</p> <p>Dr. Y. Sujatha BVC College of Engineering Amalapuram</p>

DP-71

Date and Time	Session 1	Session 2
	(Time : 10 AM- 11.00 AM)	(Time : 11.15 AM- 12.15 PM)
08- 10 -2018	Gas power cycles	Gas power cycles
09- 10 -2018	Steam nozzles	Steam nozzles
10- 10 -2018	Steam turbines	Steam turbines
11- 10 -2018	Reciprocating and rotary air compressors	Reciprocating and rotary air compressors
12- 10 -2018	Internal combustion engines	Internal combustion engines

Section 5

List of Resource Persons

Dr.T Sreenivasa Rao

Professor

VVIT Guntur

Dr.Y.Sujatha

Professor

BVC College of Engineering Amalapuram

Dr.M Sreenivasa Rao

Professor

VVIT Guntur

Dr.Y.Sujatha

Professor

BVC College of Engineering Amalapuram

DP-71

Section 6

Photographs



**GODAVARI INSTITUTE OF ENGINEERING &
TECHNOLOGY (AUTONOMOUS)**

NH – 16, Chaitanya Knowledge City, Rajanagaram

Rajamahendravaram – 533296, A.P, INDIA

Affiliated to JNTUK – Kakinada, Approved by AICTE, Accredited by NAAC

CERTIFICATE

This is to certify that Mr/Ms----- of -----
-----has participated in 5-day FDP on the theme “Futuristic
Trends in Thermal Engineering” from 8th October 2018 to 12th October 2018
organised by Department of Mechanical Engineering, Godavari Institute of
Engineering & Technology (Autonomous), Rajamahendravaram.



HOD – MECH



PRINCIPAL

DP-71



DP-71



DP-71

Concluding remarks on the Event.

“Report on Faculty Development program on Advances in Futuristic Trends in Thermal Engineering being organised by Mechanical Department during date(s) 08-10-2018 to 12-10-2018 – Submitted



Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDRY, A.P.

Head of the Department/Head of the office/ Head of the Section



Godavari Institute of Engineering & Technology (A) DP-71
NAAC 'A+' INSTITUTION

REPORT ON

Faculty Development Program on Mobile Robots

Date (s): 04-02-2019 to 9-2-2019



Department of Automobile Engineering

**GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	3
3	List of Participants	3
4	Schedule of the Event	5
5	List of Resource Persons	6
6	Photographs	6

Section 1

Background : Faculty Development Program on Mobile Robots

Objectives of the program :

- To explore knowledge on Construction of Mobile Robots.
- This course is for a candidate who wants to learn about Construction and working Robots

Organization of Event : Godavari Institute of Engineering & Technology (A)

For whom : Faculty & Students

Topics to be covered : Construction and Working of Mobile Robots

Organizing team : Dept. of Automobile Engineering

Section 2

List of Participating Institutions/ Departments/Offices:

1. Godavari Institute of Engineering & Technology (A)
2. GIET Engineering College
3. Pragati Engineering College (A)

Section 3

List of Participants : 27 Faculties and Students from various colleges.

Sl.No	Name Of The Faculty	Department	Institute
1	Mr. Jasper Johnson Dokiburra	Mechanics	Pragati Engineering College(A)
2	Mrs.Aravinda Karri,	Mechanics	Pragati Engineering College(A)
3	Mrs. Sri Devi Thota,	Mechanics	Pragati Engineering College(A)
4	Challa Naga Phanindra Reddy	Automobile	Godavari Institute Of Engineering & Technology (A)
5	K Subbarao	Automobile	Godavari Institute Of Engineering & Technology (A)

6	Marella Bindu Mrunalini	Automobile	Godavari Institute Of Engineering & Technology (A)
8	Govada John Wood	Automobile	Godavari Institute Of Engineering & Technology (A)
9	Kalla. Umesh	Automobile	Godavari Institute Of Engineering & Technology (A)
10	Asu Venkatesu	Automobile	Godavari Institute Of Engineering & Technology (A)
11	Asuri Prasanna Phani Kumar	Automobile	Godavari Institute Of Engineering & Technology (A)
12	Badharsinghgar Balakrishnasingh	Automobile	Godavari Institute Of Engineering & Technology (A)
13	Chinta Bala Mahesh	Automobile	Godavari Institute Of Engineering & Technology (A)
14	Darla Srinivasa Chari	Automobile	Godavari Institute Of Engineering & Technology (A)
15	Derangula Subramanyam	Automobile	Godavari Institute Of Engineering & Technology (A)
16	Edupalli Hemanth Veera Manoj	Mechanics	Godavari Institute Of Engineering & Technology (A)
17	Gadi Hareesh	Mechanics	Giet Engineering College
18	Ganapathiraju Pavan Krishna Varma	Mechanics	Giet Engineering College
19	Kakarlapudi Prudhviraaju	Mechanics	Giet Engineering College

20	Karri BalaManideep	Mechanica I	Giet Engineering College
21	KoppakaHarshaVardhan	Mechanica I	Giet Engineering College
22	Lanka Girish	Mechanica I	Giet Engineering College
23	MeruguVenkatesh	Mechanica I	Giet Engineering College
24	MukkamallaTirupathi Reddy	Mechanica I	Giet Engineering College
25	PamulapatiSurendra Reddy	Mechanica I	Giet Engineering College
26	ReemalaYathindra VenkataDar aSai	Mechanica I	Giet Engineering College
27	SaikamSaiMadhaviLatha	Mechanica I	Giet Engineering College

Section 4

Schedule of the FDP : 4-2-2019 to 9-02-2019

Venue : Automobile department AK Block

Date and Time	Session 1	Session 2
	(Time : 10 AM- 11.00 AM)	(Time : 11.15 AM- 12.15 PM)
4-2-2019	Introduction to Mobile Robots	Application of Mobile Robots
5-2-2019	Learn algorithmic approaches, and motion control methods	Learn basic sensor systems related to state measurements,
6- 02 -2019	Learn different motion planning and navigation schemes related to mobile robots	Recognize and analyze the basic mechanical and locomotion and manipulation
7-02-2019	Analyze and design the basic mobile robotic system	Mobile Robot navigation and localization

8-02-2019	Electrical systems concerning robots'	Electrical systems concerning robots'.
9-02-2019	Mathematical models and computational methods	Application of Mobile Robots in Agriculture Sector

Section 5

Resource Persons:

Dr.G.Satish Associate Professor Pragati Engineering College(Surampalem)

Mr.J Ravi Kumar C.E.O of E.Breakers

Dr.ManojVardhaman College of Engineering (HYD)

Dr.AvinashPragati Engineering College (Surampalem)




Section6

Photographs





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 <p>GJET AUTONOMOUS NAAC 'A+' INSTITUTION</p>	<p>GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)</p>
<p>NH-16, Chaitanya Knowledge City, Rajahmundry</p>	
<p>CERTIFICATE OF PARTICIPATION</p>	
<p>This is to certify that Mr. Palika Sukumar from Pragati Engineering College (A) has participated in a one week Faculty Development Program on "Mobile Robots" Organized by the Department of Automobile Engineering from 4-2-2019 to 9-2-2019</p>	
	
<p>Mr.V.Subrahmanyam H.O.D- A.M.E</p>	<p>Dr. N. Leelavathy VICE-PRINCIPAL(ACADEMICS)</p>

Section 7

Financial Layout

Date	Expert	Honorarium	TA	Dept	Memento & Shawl Etc	Accommodation	Venue of lecture	Remarks
Feb 9-2019	Dr.G.Satish Mr.J Ravi Kumar Dr.ManojDr.Avinash	Rs.10000/-				No		No

Financial Support, if any (please provide proof) :

S No	Organisation / Individual	Fund Received	Remarks
1	-	No	No

Note-1: Event Budget formats should be used according to the need. Annuxere-1

Section 8

Annuxere-1 Event Budget for			FDP on Source Code Management Using Git & GitHub		
<i>Expenses</i>				Estimated	Actual
Total Expenses					
<i>Site</i>	Estimated	Actual	<i>Refreshments</i>	Estimated	Actual
Room and hall fees			Food		0
Site staff			Drinks/Tea		0
Equipment			Total		0
Tables and chairs			<i>Program</i>	Estimated	Actual
Total			Speakers	10000	10000
<i>Decorations</i>	Estimated	Actual	Travel		
Flowers			Hotel		
Candles			Other		
Lighting			Total		10000
Balloons			<i>Honorarium/Prizes</i>	Estimated	Actual
Paper supplies			Honorarium		
Total			Memento & Shawl etc		
<i>Publicity</i>	Estimated	Actual	Prizes		
Graphics work			Total		
Photocopying/Printing			<i>Miscellaneous</i>	Estimated	Actual
Postage			Telephone		
Total			Transportation		
Stationery supplies					
Photos/Videos					
Total					0
<i>Income</i>				Estimated	Actual



Institute of Engineering & Technology (A) DP-71

AUTONOMOUS
NAAC 'A+' INSTITUTION

Total Income				
Registration fee, if any				
<i>No fee</i>				
Estimated	Actual		Estimated	Actual
40	40	External Participants		

Ads in program/Journal/proceedings				
Estimated	Actual		Estimated	Actual
		Covers		
		Half-pages		
		Quarter-pages		

Exhibitors/vendors				
Estimated	Actual		Estimated	Actual
		Large booths/stall		
		Med. booths/stall		
		Small booths/stall		

Sale of items				
Estimated	Actual		Estimated	Actual
		Items		
		Items		
		Items		
		Items		

Concluding remarks on the Event:

"Report on FDP on Mobile Robots being organized by Department of AME during 4-02-2019 to 9-02-2019 to submitted.

Coordinator: Mr. VSubrahmanyam and Head of the Department of AME

Head of the Department



Head of the Dept.
Automobile Engineering
GIET, RAJAHMUNDY - A.P
INDIA - 533 296

Signature



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

FACULTY DEVELOPMENT PROGRAMME

BY

DEPARTMENT OF CHEMISTRY

HUMANITIES AND BASIC SCIENCES



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY-533 296

Important Dates:

Beginning date: 4th July 2017
Ending date: 8th July 2017

Venue:

Seminar Hall, V.B. Block
GIET (A)
Rajahmundry

Registration Link:

<https://forms.giet/nsH6t2qxa5RjeQmz8>

Short program outlook

Day 1: Inaugural-discussion on lab equipment

Day 2: Talk on Innovations in Chemistry

Day 3: Discussions and short Activities

Day 4: Wide coverage of the FDP Topic

Day 5 Valedictory and Certificates presentation

Organizing Committee**Chief Patron**

Sri. KVV Satyanarayana Raju
Chairman, Chaitanya Group

Patrons

Sri. K. Sasi Kiran Varma
Vice-chairman, Chaitanya Group
Smt. K. V. V. Lakshmi
Executive Director, Chaitanya Group

Co-Patrons

P. Subba Raju
General Manager, GIET Institutions

Chairperson

Dr.S.S.N.Murthy
Principal, GIET (A)

Convener

Dr. Y.D.Sivaprasad
Department of Humanities and Basic Sciences
Mobile No:8886433388
Email: sivaprasad2309@gmail.com

Co-ordinator

Ch.Deepika
Asst. Professor,
Department of Humanities Basic Sciences
Mobile No: 6302571141
Email id:deepika12@gmail.com



**A FIVE DAY FACULTY DEVELOPMENT PROGRAM ON
POLYMER TECHNOLOGY AND ITS VARIABLES
HELD FROM 4TH JULY TO 8TH JULY, 2017**



**ORGANIZED
BY
DEPARTMENT OF
HUMANITIES AND BASIC SCIENCES**

**GODAVARI INSTITUTE OF ENGINEERING
&TECHNOLOGY (A)**

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About the Institute

The college is located at Chaitanya Nagar on NH- 16 on the outskirts of Rajamahendravaram. Godavari Institute of Engineering & Technology is an epitome of excellence in every aspect. Institute is Approved by AICTE and permanently affiliated to JNTUK, Kakinada, Andhra Pradesh.

The Institute got accredited by NAAC+. The institute offers undergraduate programs, postgraduate programs in diverse engineering streams, in addition business and computer applications are running. It features state-of-the-art facilities and a highly qualified and knowledgeable pool of staff members, apart from the prescribed course curriculum, the institute offers an entire educational experience with greater exposure of students advanced skill learning via existing centres of excellence. It has been a pioneer in adopting several pedagogic innovations for the benefit of students. The achievements of the students of this institution in academics as well as placements stand testimony to the fact.



About the Department

The department of Humanities and Basic Sciences has been the threshold to engineering four years course study and would nourish the every new entrant with sinews of caliber and potency to design himself as potential engineer. It has been the largest department parenting many sub domains like Mathematics, English, Physics, Chemistry and other divisional subjects like Environmental sciences, Managerial economics, financial accounting including sports and Games.



About the Program



Polymer chemistry is a sub-discipline of chemistry that focuses on the structures of chemicals, chemical synthesis, and chemical and physical properties of polymers and macromolecules. The principles and methods used within polymer chemistry are also applicable through a wide range of other chemistry sub-disciplines like organic chemistry, analytical chemistry, and physical chemistry. Many materials have polymeric structures, from fully inorganic metals and ceramics to DNA and other biological molecules. However, polymer chemistry is typically related to synthetic and organic compositions.

Dr. Ch.Chenchayya Gupta

Associate Professor

IIPE, Visakhapatnam

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An Autonomous Institution
NBA Accredited & NAAC A⁺

**Five Day Faculty Development Program
On
POLYMER TECHNOLOGY AND IT'S VARIABLES**

Organized By

Department of Chemistry, Humanities and Basic Sciences

**Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry,
Andhra Pradesh, INDIA**

Contents

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	3
3	List of Participants	4
4	Schedule of the Event	5
5	List of Resource Persons	5
6	Photographs	6
7	Financial Layout	9

REPORT ON FDP ON POLYMER TECHNOLOGY AND ITS VARIABLES

DAY-1

What Are Polymers?

A **polymer** is a large molecule or a macromolecule, which essentially is a combination of many subunits. The term polymer in Greek means 'many parts'. Polymers can be found all around us, from the strand of our DNA, which is a naturally occurring biopolymer, to polypropylene which is used throughout the world as plastic

Polymers can be naturally found in plants and animals (**natural polymers**) or can be human-made (**synthetic polymers**). Different polymers have a number of unique physical and chemical properties, due to which they find usage in everyday life.

Classification of Polymers

Polymers cannot be classified under one category because of their complex structures, different behaviours and vast applications. We can, therefore, classify polymers based on the following norms.

Classification of Polymers Based on the Source of Availability

There are **three types of classification** under this category, namely, natural, synthetic, and semi-synthetic polymers.

Natural Polymers

They occur naturally and are found in plants and animals. For example, proteins, starch, cellulose and rubber. To add up, we also have biodegradable polymers called biopolymers.

Semi-synthetic Polymers

They are derived from naturally occurring polymers and undergo further chemical modification. For example, cellulose nitrate and cellulose acetate.

Synthetic Polymers

These are human-made polymers. Plastic is the most common and widely used synthetic polymer. It is used in industries and various dairy products. For example, nylon-6, 6, polyether, etc.

Also Read: [Natural Polymers vs Synthetic Polymers](#)

Classification of Polymers Based on the Structure of the Monomer Chain

This category has the following classifications:

Linear Polymers

The structure of polymers containing long and straight chains falls into this category. PVC, i.e., polyvinyl chloride, is largely used for making pipes, and an electric cable is an example of a linear polymer.

Branched-chain Polymers

When linear chains of a polymer form branches, then such polymers are categorised as branched chain polymers. For example, low-density polythene.

Cross-linked Polymers

They are composed of bifunctional and trifunctional monomers. They have a stronger **covalent bond** in comparison to other linear polymers. Bakelite and melamine are examples of cross-linked polymers.

DAY-2

Compounding consists of preparing plastic formulations by mixing and/or blending polymers and additives in a molten state to achieve the desired characteristics.[1] These blends are automatically dosed with fixed setpoints usually through feeders/hoppers. It is mostly a blend of copolymers such as ABS, SAN, SMA etc. with additives such as anti-oxidants, UV-stabilizers and other value adding agents and sometimes a strengthening component is added such as glass fibre.[2]

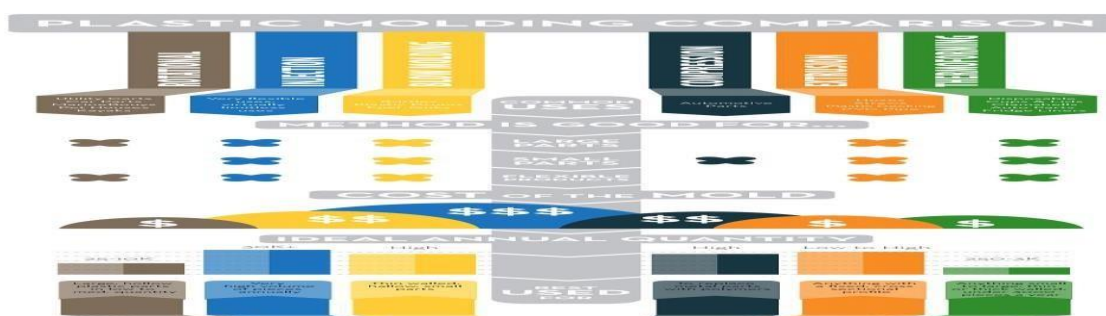
There are different critical criteria to achieve a homogeneous blend of the different raw material. Dispersive and distributive mixing as well as heat are important factors.

Compounding is usually done by **extrusion**. The hopper feeds the begin of the screw which will gradually transport the **resins** towards the die. The screw itself is confined in a barrel that has different zones that can be heated according to the resins properties.

Co-kneaders and twin screws (co- and counter rotating) as well internal mixers are the most common used compounders in the [plastic industry](#).^[3]

The **extrudate**, which look like long plastic strands, are then cooled in a water bath, or by spraying as the conveyor belt moves it to the granulator. The granulator breaks the strands into the desired pellet sizes.

DAY-3



DAY-4

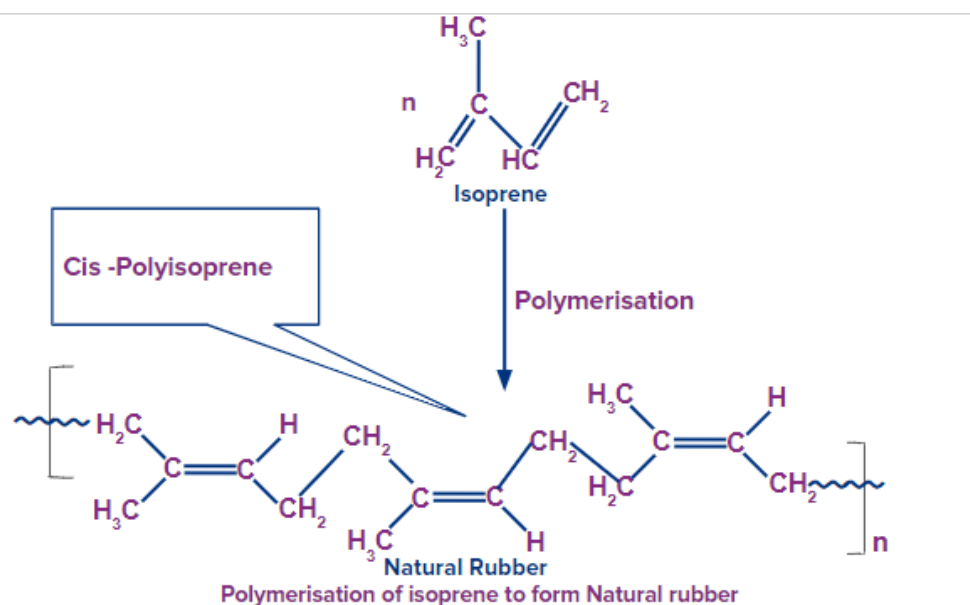
Types of rubber

Rubber is an elastomer that can be obtained either naturally (natural rubber) or can be chemically produced in a laboratory (synthetic rubber-like- neoprene, butyl rubber etc). Broadly speaking, rubber can be classified into two categories namely:-

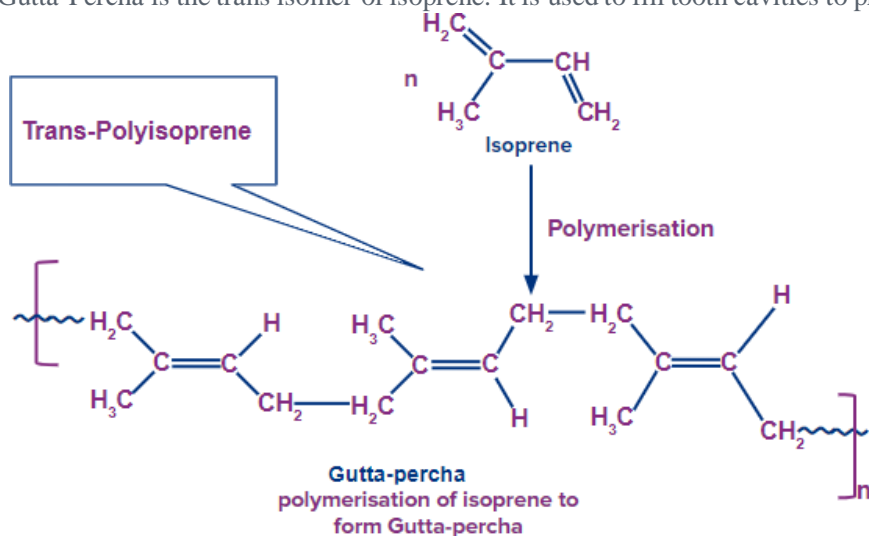
1. Natural rubber
2. Synthetic rubber

Natural rubber and its preparation

Natural rubber is manufactured from rubber latex, which is a colloidal dispersion of rubber in water. Natural rubber is a polymer of isoprene (2 - methyl - 1, 3 - butadiene) with a chemical formula (C_5H_8) is joined together forming long polymer chain of *cis* - 1, 4 - polyisoprene which is also known as natural rubber. India including the countries like Thailand, Indonesia, and Malaysia are one of the top natural rubber producing countries in the world.



Gutta-Percha is the trans isomer of isoprene. It is used to fill tooth cavities to prevent reinfection.



Properties of natural rubber:

- Soluble in non-polar solvents
- Non-resistant to attack by oxidising agents.
- High water absorption capacity.

Vulcanisation of rubber

The mechanical properties like tensile strength, elasticity and abrasion resistance of natural rubber can be improved by vulcanisation. Vulcanisation consists of heating the natural rubber with 3-5% of sulphur at about 373 K to 415 K. This results in the formation of sulphur bridges between the polymer chains. Sulphur act as a cross-linking agent. When a stretching force is applied on the vulcanised rubber, the polymer straightens out but does not slip past one another because of the polysulphide bridges. When the applied force is removed, the rubber regains its original shape.

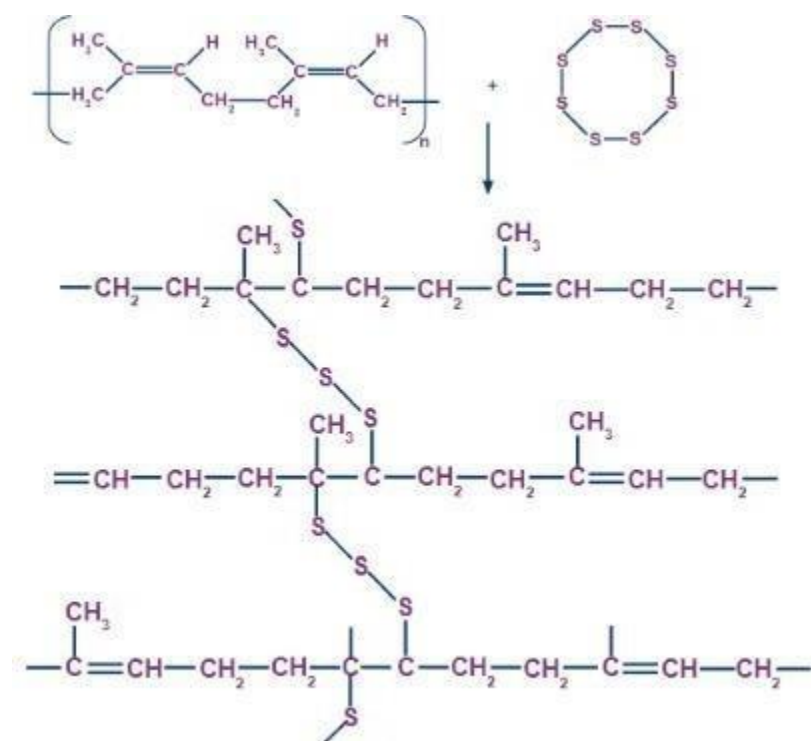


FIG: Vulcanisation of Rubber Note: In the manufacture of tyres, 5% sulphur is used as a cross-linking agent.

DAY-5

Advanced Technology Applications

New classes of polymeric materials with unique applications are being introduced. In many cases, the properties and their usage were discovered only recently. This chapter covers two areas: (1) health, medicine, and biotechnology, a rapidly developing domain based largely on known materials but moving to designed and engineered polymers, and (2) information and communications, an emerging field for polymers significantly based on their electronic properties. These two areas are attracting a great deal of attention, particularly among researchers who are not traditional specialists in polymer science. The growing importance of these fields makes the interdisciplinary aspect of polymer research abundantly clear.

HEALTH, MEDICINE, AND BIOTECHNOLOGY

Polymers play a major role in all aspects of biological processes. In fact, it is legitimate to proclaim that polymers are the molecular basis of life. The genetically inherited information required for the growth and health of living systems is encoded in the macromolecule deoxyribonucleic acid (DNA), the backbone of which forms the famous double helix. The molecular genetic code uses only four purine and pyrimidine bases to dictate the structure of the proteins that make up so much of living systems. DNA directs the assembly of about 20 amino acids in complex sequences that become the proteins. These proteins are polypeptide polymers that differ from one another only in the sequence of their constituent amino acids. All enzymes, which control the reaction rates in biological systems, are proteins. Collagen proteins form fibers and connective tissue

found in tendons, cartilage, blood vessels, skin, and bone. Elastin, an elastic substance found in ligaments and in the walls of blood vessels, is also a protein. Other polymers such as polysaccharides are also important. They make up chains of sugar units present as a major constituent in all connective tissue. Ribonucleic acid (RNA) molecules also carry information and can serve protein-like functions. Thus informational, chemical, mechanical, and other properties of living systems find their origin in the molecular structure of their component polymers.

Medicine, as a biological science, therefore must be dependent on the nature of polymers. Bandages and dressings are dominated by polymers in modern practice. Molds and impressions of teeth, dentures and denture bases, adhesives, and fillings are polymer based. Sutures, which were made of cat gut for over 2,000 years, are now made of synthetic polymers. Hard and soft lenses required after cataract surgery, artificial corneas, and other ocular materials are all polymers. Orthopedic implants, artificial organs, heart valves, vascular grafts, hernia mesh, and artificial arms, legs, hands, and feet all depend critically on polymeric materials. Similarly, catheters, syringes, diapers, blood bags, and many other trappings of modern medicine depend heavily on polymeric materials. Most of these items arrive in sterile form, packaged in polymers.

Significant quantities of polymers are used in medical devices, consumable medical products, and the packaging for medical products. The most common products are devices such as catheters and intravenous lines, nearly 100 million of which are used annually in the United States. Because medical products use functional rather than structural polymers and their value is not related to the volume they occupy, medical products should be quantified on the basis of number of functional units rather than in terms of pounds of polymers.

National Academies of Sciences, Engineering, and Medicine. 1994.

Section 2

List of Participating Institutions/ Departments/Offices

1. Godavari Institute of Engineering & Technology (A)
2. GIET Engineering College
3. Pragati Engineering College (A)
4. Gudlavalleru Engineering College
5. Ideal Institute of technology kkd.

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85	Mrs. Jyotsna Akumuri, Asst.	Professor	HBS	Pragathi Engineering College	Pragath.pragathi@ac.in

Section 4

Schedule of the program

Tentative Schedule

Day	Session	Tentative Title	Host
4-07-2017	FN 10:00	Inauguration and Briefing about the FDP	
	FN 10:30	Polymers-Classification-Functionality	Dr. N.Aruna Kumari, <i>Assistant Professor Dr.Ambedkar University Visakhapatnam, Andhra Pradesh, India</i>
5-07-2017	FN 10:00	Compunding of Plastics	
6-07-2017	FN 10:00	Moulding-properties	
7-07-2017	FN 10:00	Preparation of Natural Rubber	Dr. Madhu Kiran Sundaraneedi, <i>Senior Scientist, Pharma Research I Injectables, Lupin Limited, Pune, India</i>
	AN 2:00	Technological Resources	
8-07-2017	FN 10:00	Application of Conducting Polymers	
	FN 11:30	Valedictory and Remarks	

Section 6

S.No	List of Resource Persons
1	Dr. N.Aruna Kumari, <i>Assistant Professor</i> <i>Dr.Ambedkar University Visakhapatnam,Andhra Pradesh, India</i>
2	Dr. Madhu Kiran Sundaraneedi, <i>Senior Scientist, Pharma Research I Injectables, Lupin Limited, Pune, India</i>
3	

PHOTOGRAPHS OF FDP



Concluding remarks on the Event.

Faculty Coordinator: Dr.V.Sarath Chandra

Signature with date : *Dr.V.Sarath Chandra*

Head of the Department: Dr. V.Kusuma Kumari

Signature with date : *V. Kusuma Kumari*

Dr. V. KUSUMA KUMARI
DEAN - HBS
Godavari Institute of Engineering & Technology (AI)
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY - 533 296, E.G. DIST., (A.P.)

FINANCIAL REPORT

S.N O	Date	Name of the Expert	Honorarium	TA	OTHER MISC(SHAW L/MEMENT OES	ACCOMODATION
1	4 & 5/07/17	Dr. N.Aruna Kumari, <i>Assistant Professor Dr.Ambedkar University Visakhapatnam, Andhra Pradesh, India</i>	20000/-	3800/-	1000/-	
2	6,7&8/07/17	Dr. Madhu Kiran Sundaraneedi, <i>Senior Scientist, Pharma Research 1 Injectables, Lupin Limited, Pune, India</i>	20000/-	4000/-	1000/-	
3			40000	7800	2000	

SPECIMEN CERTIFICATE

Dr. V. KUSUMA KUMARI
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NH-16, Chaitanya Knowledge City
RAJAHMUNDRY - 533296, E.G. DIST., (A.P.)



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Rajamahendravaram, A.P., INDIA, PIN: 533296, www.giet.ac.in

Department Humanities and Basic Science

This is to certify that **Mrs. Jyotsna Alkumuri, Asst. Professor of Pragati Engineering College (A)** has successfully completed the five day faculty development program on

POLYMER TECHNOLOGY AND ITS VARIABLES

held from held from 4th July to 8th July, 2017

organized by the Department of Humanities and Basic Sciences.

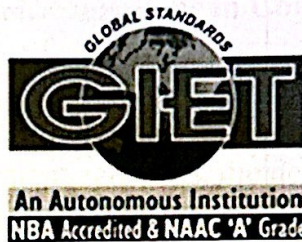
V. kusuma kumari
HOD- HBS

[Signature]
PRINCIPAL

REPORT ON

“Innovations in Concrete Technology and Design”

Date:16-12-2018



Department Of Civil Engineering

**GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

Organising Committee

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Shri. K.V. Satyanarayana Raju
Chairman, Chaitanya Group

Patrons

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Vice-chairman, Chaitanya Group
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Executive Director, Chaitanya Group

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General Manager, GIET Institutions

Chairperson

Dr. N. Leelavathi
Principal, GIET(A)

Convener

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Head of the department,
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Email: hod.civil@giet.ac.in

Co-ordinator

Ms J L Sudha,
Assistant Professor,
Department of Civil Engineering
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**A One Week Faculty Development
Program on**

**"Innovations in Concrete Technology
and Design"**

REGISTRATION FORM

1. Name of the Participant:
2. Designation:
3. Phone Number:
4. Email ID:
5. Address:

6. Signature of Participant:

7. Remarks (if any):

Date:
Station:

HOD

Registration Fee

Rs.500/- includes Lunch and Refreshments



**A One Week Faculty Development
Program on
"Innovations in Concrete Technology
and Design"**

03.12.2018 to 08.12.2018



**Organized
by
DEPARTMENT OF
CIVIL ENGINEERING
GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)**

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada
Rajamahendravaram, A.P., INDIA, PIN: 533296, www.giet.ac.in
NH-16, Chaitanya Knowledge City, GIET
Campus, Rajamahendravaram, A.P.

GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)
NH-16, Chaitanya Knowledge City, Rajahmundry – 533296


File No: GIER/CE/

Date: 06-12-2021

CIRCULAR

Subject: A One Week FDP on "Innovations in Concrete Technology and Design"
Reg....

In view of department development activities, the department of Civil Engineering is organizing Faculty development programme for One week on "Innovations in Concrete Technology and Design" from 03.12.2018 to 08.12.2018. All the Dept HOD's and Faculty of GIET (A) are requested to attend this Event and make it grand success.


HOD-CE

To

All HOD's

Copy to Principal/Vice Principals/Directors/Deans/Controller of Examinations/Library

All Notice boards

File

Contents

Section	Description	Page No
1	Brief Report of the Event	5
2	List of Participating Institutions/ Departments/Offices	5
3	Model certificate	5
4	List of Participants	6
5	Schedule of the Event	7
6	List of Resource Persons	7
7	Photos	7

Section 1

Brief Report of the Event : FDP for One week on “Innovations in Concrete Technology and Design”

Background : In regard to Innovations In Concrete Technology And Design Technology in Civil Industry perspective an event is organized

Objectives of the program : To inculcate the latest aspects of Industry

Organization of Event : from 03.12.2018 to 08.12.2018

For whom : Faculty

Topics to be covered : Innovation aspects

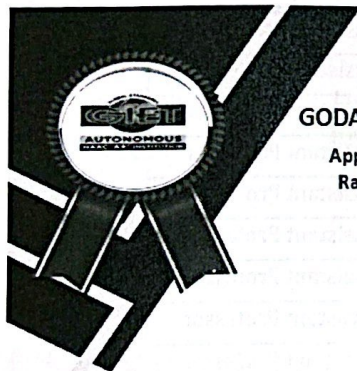
Organizing team : Department of Civil Engineering

Section 2

List of Participating Institutions/ Departments/Offices: All Faculty of GIET (A)

Section 3

Model Certificate



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada
Rajamahendravaram, A.P., INDIA, PIN: 533296, www.giet.ac.in



CERTIFICATE OF PARTICIPATION

This is to certify that, Assistant Professor ofhas successfully completed the one week faculty development program on “INNOVATIONS IN CONCRETE TECHNOLOGY AND DESIGN” held from 03/12/2018 to 08/12/2018 organized by the Department of Civil Engineering.


HOD-CE


PRINCIPAL

Section 4

List of Participants

Department / Institute:

List of participants

S.NO	Name of the Faculty	Designation
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2	Mr. AMN Kashyap	Assistant Professor
3	Mr.A Sai Kumar	Assistant Professor
4	Mr. S Durga Sankar	Assistant Professor
5	Ms. Konda Sudeepa	Assistant Professor
6	Mr. M. Aravind	Assistant Professor
7	Dr. Subhashish Dey	Assistant Professor
8	Mr. K.Nagarjuna	Assistant Professor
9	Mr. P Ravi Kishore	Assistant Professor
10	Dr.M Sumit Chaudhary	Assistant Professor
11	Dr. S Anadha Kumar	Associate Professor
12	Dr.S Govinda Rajan	Associate Professor
13	Dr. B Ram Mohana Reddy	Associate Professor
14	Mr.G Dinesh	Assistant Professor
15	Mr.N Bhasakasi Rao	Assistant Professor
16	Mr.M Maheshwara Rao	Assistant Professor
17	Mr.D Suman	Assistant Professor
18	Mr. I. Aravind	Assistant Professor
19	Mr. K. Srinivasa Rao	Assistant Professor
20	Mr. B. Nageswara Rao	Assistant Professor
21	Mr. K. Gowthami	Assistant Professor
22	Mr. J. Veera Babu	Assistant Professor
23	Mr. O. Agnihothra Sarma	Assistant Professor
24	Mr. T. Narendra	Assistant Professor
25	Mr. G. Venkateswara Rao	Assistant Professor
26	Mr. O. Sumit Kumar	Assistant Professor
27	Mr. S.Jagadeesh Kumar	Assistant Professor
28	Mr. B.Jagadeesh	Assistant Professor
29	Mr. R.Krishna Mohan	Assistant Professor
30	Mr. B B prakash	Assistant Professor

[Signature]

HOD-CE

Section 5

Schedule of the Event

Venue: R K Block Seminar Hall

Department of Civil Engineering,

Day and Date : Daily schedule from 03-12-2018 to 08-12-2018

Time	Topic	Resource Person
10:00	Welcome note	Ms. J L Sudha
10:15-12:30	Lecture by	D.S.V Prasad
12:30-1:30	Lunch Break	
1:30 - 2:30	Lecture by	Er.S Nageswararao
2:30 - 4:00	Lecture by	Dr. G Radha Krishna

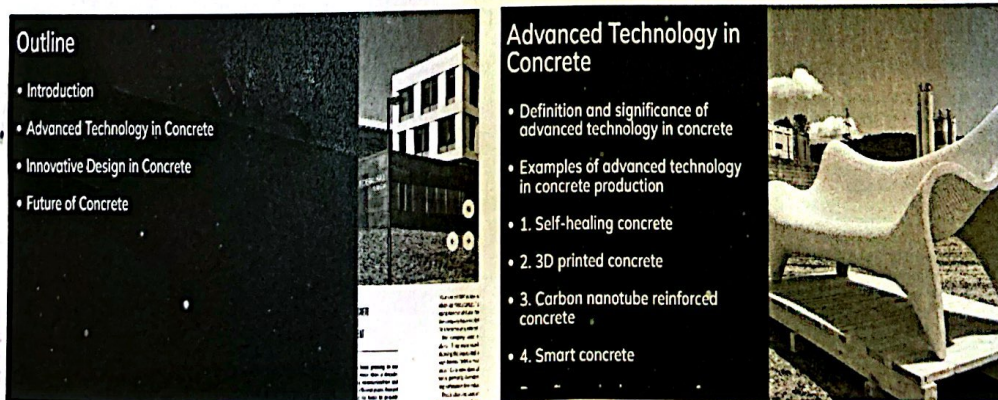
Section 6

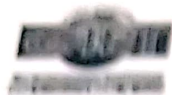
List of Resource Persons

External resource persons- Dr. D.S.V Prasad, Professor-BVC Engineering College
Dr. G Radha Krishna, Professor-Vasavi Engineering College
Er.S Nageswararao, Rtd Engineer-polavaram

Section 7

Event Photos





Concluding remarks on the Event.

“Report on **Online Faculty development programme on Innovations in Concrete Technology and Design** organized by Department of Civil Engineering Submitted on 16-12- 2018

J L Sudha
Coordinator 16/12/18

Signature with date


Head of the Department 16/12/2018

Signature with date

Head of the Department
CIVIL ENGINEERING
GODAVARI INSTITUTE OF
TECHNOLOGY
962 335-533 296



Godavari Institute of Engineering & Technology (A) DP-71

REPORT ON

Faculty Development Program on Android Application Development

Date (s): 09/07/2018 to 13/07/2018



**GODAVARI INSTITUTE OF ENGINEERING &
TECHNOLOGY (AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP



AUTONOMOUS
NAAC 'A+' INSTITUTION

Godavari Institute of Engineering & Technology (A) DP-71

Contents

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	5
3	List of Participants	5
4	Schedule of the Event	9
5	List of Resource Persons	10
6	Photographs	11
7	Financial Layout	12



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Godavari Institute of Engineering & Technology (A) **DP-71**

Contents

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	5
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4	Schedule of the Event	9
5	List of Resource Persons	10
6	Photographs	11
7	Financial Layout	12

Section 1

Brief Report of the FDP

FDP on "**Android Application Development**" aims to impart technical and practical knowledge to Faculty and future engineers. This FDP was an initiative of Department of Computer Science and Engineering, Godavari Institute of Engineering & Technology (A), under the Guidance of **Dr. P.M.M.S.Sarma (Professor and Principal-GIET(A))**, **Dr.N.Leelavathy (Professor and Vice-Principal GIET(A))**, **Dr.B.Sujatha (HOD-CSE)**, to impart knowledge to the Faculty regarding app development in Android. **Dr.P.Sri Ram Chandra, Associate Professor** in Computer Science and Engineering started by addressing the Faculty and resource persons by giving them an insight about the Department and course and why they were conducting such events for the Faculty, what benefit Faculty will gain by such events and many more advantages of Faculty. Why FDP on "**Android Application Development**" was carried out for Faculty.

- Background : FDP on **Android Application Development**.
- Objectives of the program : 1. To create awareness of Android Application among the participants.
2. To Create new android application & AVD.
3. Create an application to show list of countries in list view using adapters
- Organization of Event : Department of CSE, GIET(A), Rajamahendravaram
- For whom : Faculty

Topics to be covered :

09-07-2018	Android & it's uses, drawbacks Overview of android architecture, history of android Android features & introduction to java
10-07-2018	System requirements, Eclipse, SDK Installation Android studio and Creation, Creating Android app Introduction to the Directory Structure of Android App
11-07-2018	Introduction to android XML Activity Lifecycle. Installing android developer tool Create new android application & AVD
12-07-2018	Set background image & color, deploying apk files into mobiles changing application name & icon image Activity & create Activity what is intent and types of intent Switching b/w two activities & data transfer b/w two activities

13-07-2018	Navigation b/w multiple number of screens How to call a number using intent, edit text Dynamic change background color & image Spinner & List View Create an application to show list of countries in list view using adapters. Introduction to android database Introduction SQLite Cursors & working with SQLite Databases Sample APP'S Development
------------	---

Organizing team

: Department of CSE, GIET(A), Rajamahendravaram

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

NH-16, Chaitanya Knowledge City, Rajanagaram, Rajamahendravaram-533296, AP, INDIA
Affiliated to JNTUK-Kakinada, Approved by AICTE, Accredited by NACC A+, www.giet.ac.in

Faculty Development Program on Android Application Development July 09-13, 2018

About the Institute



Godavari Institute of Engineering & Technology (GIET) was established in 1998 to offer engineering education of world-class standards. Over the years, the Institute has come a long way to gain a place of repute and a preferred destination for quality engineering education marking it as the best engineering colleges in Andhra Pradesh. Located in the serene and sylvan suburbs of Chaitanya Nagar, Rajamahendravaram on NH-16, the sprawling 300-acre campus of GIET campus reflects the finest educational facilities around.

About CSE Department



The Department of Computer Science and Engineering was established in the year 1998, since inception of the Institute. It was started with B.Tech. (CSE) programme with an intake of 60 and it has grown by leaps and bounds over the last two decades with an intake increased to 180 by the year 2020. Since the Academic Year 2020-2021, B. Tech programmes for two new specializations in Artificial Intelligence and Machine Learning (AI & ML) and Cyber Security (CS) were introduced with an intake of 60 each.

About Faculty Development Program

This Program Provide overview of Android architecture ,android features, Introduction of Android App ,XML, Activity life style Installation, Designing application, Activity, Navigation, Dynamic events, Database , SQL Lite, Sample App Development.

CHIEF PATRAN

Sri KVVS Raju
Chairman, Chaitanya Group

PATRAN

Sri Sasi Kiran Varma Kalidindi
Managing Director, Chaitanya Group
Smt. K.V.V.Lakshmi Kalidindi
Executive Director, Chaitanya Group

CHAIRMAN

Dr. N Leelavathi
Vice Principal, GIET

CONVENER

Dr. B.Sujatha
HoD-CSE, GIET

CO-ORDINATOR

Mr. P. Sriram Chandra
Associate Professor, CSE, GIET

CONTACT:

Dr. B. Sujatha, Professor, HoD-CSE
Department of Computer Science & Engineering,
Godavari Institute of Technology (A), NH-16,
Chaitanya Knowledge City, Rajanagaram,
Rajamahendravaram-533296, AP, INDIA
www.giet.ac.in

Registration Fee:
Rs. 500/- Includes Lunch & Refreshment
For Registrations:
www.giet.ac.in/csetdp/fdpand
Last date to register: July 07 2018



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Godavari Institute of Engineering & Technology (A) DP-71

13-07-2018	<p>Navigation b/w multiple number of screens</p> <p>How to call a number using intent, edit text</p> <p>Dynamic change background color & image</p> <p>Spinner & List View</p> <p>Create an application to show list of countries in list view using adapters.</p> <p>Introduction to android database</p> <p>Introduction SQLite</p> <p>Cursors & working with SQLite Databases</p> <p>Sample APP'S Development</p>
------------	--

Organizing team

: Department of CSE, GIET(A), Rajamahendravaram



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

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Faculty Development Program on Android Application Development July 09-13, 2018

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CHIEF PATRAN

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Chairman, Chaitanya Group

PATRAN

Sri Sasi Kiran Varma Kalidindi
Managing Director, Chaitanya Group
Smt. K.V.V. Lakshmi Kalidindi
Executive Director, Chaitanya Group

CHAIRMAN

Dr. N. Leelavathi
Vice Principal, GIET

CONVENER

Dr. B. Sujatha
HoD-CSE, GIET

CO-ORDINATOR

Mr. P. Sriram Chandra
Associate Professor, CSE, GIET

CONTACT:

Dr. B. Sujatha, Professor, HoD-CSE
Department of Computer Science & Engineering,
Godavari Institute of Technology (A), NH-16,
Chaitanya Knowledge City, Rajanagaram,
Rajamahendravaram-533296, AP, INDIA
www.giet.ac.in

Registration Fee:
Rs. 500/- Includes Lunch & Refreshments
For Registrations:
www.giet.ac.in/csefdo/fdoand
Last date to register: July 07 2018

Section 2

List of Participating Institutions/ Departments/Offices

1. Godavari Institute of Engineering & Technology (A), Rajamahendravaram
2. GIET Engineering College, Rajamahendravaram
3. Pragati Engineering College (A), Surampalem
4. Gudlavalleru Engineering College, Gudlavalleru
5. Ideal Institute of technology Kakinada.

Section 3

List of Participants

: 42 Faculty from various colleges.

Sl.No	Name of the Faculty	Designation	Department	Institute	Email
1	CHINTA VENKATA RAMANA,	ASSISTANT PROFESSOR	CSE	PRAGATI ENGINEERING COLLEGE (A)	venkataramana@gmail.com
2	LAKKAMSANI YAMUNA	ASSISTANT PROFESSOR	CSE	PRAGATI ENGINEERING COLLEGE (A)	yamuna@gmail.com
3	KARRI ARUN MANI KUMAR	ASSISTANT PROFESSOR	CSE	PRAGATI ENGINEERING COLLEGE (A)	manikumar@gmail.com
4	R L M TAYARU GOLLAPALLI	ASSISTANT PROFESSOR	CSE	PRAGATI ENGINEERING COLLEGE (A)	tayaru@gmail.com
5	TATAPUDI NIROSH KUMAR	ASSISTANT PROFESSOR	CSE	PRAGATI ENGINEERING COLLEGE (A)	nirosh@gmail.com
6	KOLANU VENKATA KRISHNA SASIKANTH	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)	sasikanth@gi.ac.in
7	M S R S PRASAD	ASSOCIATE PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	prasad@gmail.com
8	S SURYA SREE	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	surya0314@gmail.com
9	S INDIRA SPANDANA	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	spandana@gmail.com
10	R V V G LAKSHMI	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	lakshmi@gmail.com
11	R S V V PRASAD RAO	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	prasadrao@gmail.com

12	M JAYASREE	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	jayasree@gmail.com
13	P SAI SOWJANYA	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	saisowjanya@gmail.com
14	N DEEPTHI PRIYA	ASSISTANT PROFESSOR	CSE	IDEAL INSTITUTE OF ENGINEERING COLLEGE	deepthi@gmail.com
15	DR. ASHOK KOUJALAGI	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)	askoujalagi@gmail.com
16	KOLANU VENKATA KRISHNA SASIKANTH	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)	sasikanth@giel.ac.in
17	DIGUMARTHI SUSEELA	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)	suseela.syamala@gmail.com
18	RAMESH DHULIPUDI	ASSISTANT PROFESSOR	CSE	GIET COLLEGE OF ENGINEERING	dhuramesh@gmail.com
19	SONGA RATALU	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY	sratalu07@gmail.com
20	NEELI GOWRI SREELAKSHMI	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)	srilakshmi@giel.ac.in
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22	B S L S DEVI	ASSISTANT PROFESSOR	CSE	CHAITANYA INSTITUTE OF SCIENCE & TECHNOLOGY	bdevisri@gmail.com
23	DR. N LEELAVATHY	Vice Principal-Academics	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY	viceprincipalacad@giel.ac.in
24	VUNDRAJAVARAPU AJAY KUMAR	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	ajaykumar@giel.ac.in



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Godavari Institute of Engineering & Technology (A) DP-71

25	P. NAGAMANI	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	nagamanipedapati@gmail.com
26	DR. B. SUJATHA	PROFESSOR & HOD	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	bsujatha@gi-et.ac.in
27	Mr.P.Siva Prasad	ASSISTANT PROFESSOR	MCA	GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	Sivaprasadgi-et@gmail.com
28	K.JYOTHSNA	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	ji-yotsna@gi-et.ac.in
29	U.SURYA NARAYANA	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	dsuryanarayana@gi-et.ac.in
30	Y.SAI NAGA BABU	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	sainagababu@gi-et.ac.in
31	RAMAKRUSHNA RATH	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	ramakrishnae-et@gi-et.ac.in
32	S.KALIKI KUMAR	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	kalkikumar@gi-et.ac.in
33	M.SATISH KUMAR REDDY	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	satishkumar@gi-et.ac.in
34	M.MADHAVI	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	mmadhavi@gi-et.ac.in

				ONOMOUS)	
35	SHRIJA MADHU	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	shrija@giet.ac.in
36	B.UMA SUDHA	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	umasudha@giet.ac.in
37	I.LOVA PRASAD	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	lovaprasad@giet.ac.in
38	B.NANDA KISHORE	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	nandakishore@giet.ac.in
39	V.AJAY KUMAR	ASSISTANT PROFESSOR	CSE	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(AUTONOMOUS)	ajaykumar@giet.ac.in
40	L V KIRAN	ASSISTANT PROFESSOR	MCA	GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	lvkiran@giet.ac.in
41	K PRAVEEN KUMAR	ASSISTANT PROFESSOR	MCA	GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	praveenkumar@giet.ac.in
42	DR.R.TAMIL KODI	PROFESSOR	MCA	GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	hod.aiml@giet.ac.in

Section 4

Schedule of the program

Venue: ABC LABORATORY, VISVEVARAYYA BLOCK

DAY I		
Topic	Time	Resource Persons
Android & it's uses, drawbacks Overview of android architecture, history of android	09:30 A.M -12:30 P.M	Mrs. Sravani Nuni Dr. Sailaja
Android features & introduction to java System requirements,Eclipse	01:15 P.M -04:15 P.M	Mrs. Sravani Nuni Mr. Ch Rama Krishna
DAY II		
SDK Installation Android studio and Creation, Creating Android app	09:30 A.M -12:30 P.M	Mrs. Sravani Nuni Dr. Sailaja
Introduction to the Directory Structure of Android App	01:15 P.M -04:15 P.M	Dr. Sailaja Mr. Ch Rama Krishna
DAY III		
Introduction to android XML Activity Lifecycle	09:30 A.M -12:30 P.M	Mrs. Sravani Nuni
Installing android developer tool Create new android application & AVD	01:15 P.M -04:15 P.M	Dr. Sailaja Mr. Ch Rama Krishna
DAY IV		
Set background image & color,deploying apk files into mobiles changing application name & icon image	09:30 A.M -12:30 P.M	Mrs. Sravani Nuni Dr. Sailaja Mr. Ch Rama Krishna
DAY V		



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Godavari Institute of Engineering & Technology (A) **DP-71**

intent,edit text Dynamic change background color & image Spinner & List View Create an application to show list of countries in listview using Adapters	09:30 A.M -12:30 P.M	Dr. Sailaja Mr. Ch Rama Krishna
Introduction to android database Introduction SQLite Cursors & working with SQLite Databases Sample APP'S Development	01:15 P.M -04:15 P.M	Mrs. Sravani Nuni Dr. Sailaja

Section 5

List of Resource Persons

1. **Mrs. Sravani Nuni**, Application Manager, Societe Gienecale,
Ph: 9600136781
Email: sravaninuni@gmail.com
2. **Dr. Sailaja**, Professor, Aditya Engineering College
Ph:7732015511
Email: sailaja@acc.edu.in
3. **Mr. Ch Rama Krishna**, APSSDC, Andhra Pradesh
Ph: 8466883797
Email: Krishna.c@apssdc.in

intent,edit text Dynamic change background color & image Spinner & List View Create an application to show list of countries in listview using Adapters	09:30 A.M -12:30 P.M	Dr. Sailaja Mr. Ch Rama Krishna
Introduction to android database Introduction SQLite Cursors & working with SQLite Databases Sample APP'S Development	01:15 P.M -04:15 P.M	Mrs. Sravani Nuni Dr. Sailaja

Section 5

List of Resource Persons
<ol style="list-style-type: none"> Mrs. Sravani Nuni, Application Manager, Societe Gienerele, Ph: 9600136781 Email: sravaninuni@gmail.com Dr. Sailaja, Professor, Aditya Engineering College Ph:7732015511 Email: sailaja@aec.edu.in Mr. Ch Rama Krishna, APSSDC, Andhra Pradesh Ph: 8466883797 Email: Krishna.c@apssdc.in

Section 6



Section 7

Financial Layout

Date	Expert	Honorarium	TA	Dept	Memento & Shawl Etc	Accommodation	Venue of lecture	Remarks
July 09, 2018	Mrs. Sravani Nuni Dr. Sailaja Mr Ch Rama Krishna	Rs.10000/-				No		No

Financial Support, if any (please provide proof) :

S No	Organisation / Individual	Fund Received	Remarks
1	-	No	No

Note-1: Event Budget formats should be used according to the need. Annuxere-1

Section 8

Annuxere-1 Event Budget for			FDP on Android Application Development		
Expenses				Estimated	Actual
Total Expenses					
Site	Estimated	Actual	Refreshments	Estimated	Actual
Room and hall fees			Food		5000
Site staff			Drinks/Tea		5000
Equipment			Total		10000
Tables and chairs			Program	Estimated	Actual
Total			Speakers		10000
Decorations	Estimated	Actual	Travel		
Flowers			Hotel		
Candles			Other		
Lighting			Total		
Balloons			Honorarium/Prizes	Estimated	Actual
Paper supplies			Honorarium		
Total			Memento & Shawl etc		
Publicity	Estimated	Actual	Prizes		
Graphics work			Total		
Photocopying/Printing			Miscellaneous	Estimated	Actual
Postage			Telephone		
Total			Transportation		
Stationery supplies					
Photos/Videos					20000
Total					
Income				Estimated	Actual
Total Income				-	Rs. 20000/-



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<i>Registration fee, if any</i>				Actual
Estimated	Actual		Estimated	
40	42	External Participants		

<i>Ads in program/Journal/proceedings</i>				
Estimated	Actual		Estimated	Actual
		Covers		
		Half-pages		
		Quarter-pages		

<i>Exhibitors/vendors</i>				
Estimated	Actual		Estimated	Actual
		Large booths/stall		
		Med. booths/stall		
		Small booths/stall		

<i>Sale of items</i>				
Estimated	Actual		Estimated	Actual
		Items		
		Items		
		Items		
		Items		

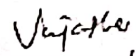


GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
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Affiliated to JNTUK-Kakinada, Approved by AICTE, Accredited by NAAC A+, www.giet.ac.in

Certificate of Participation

This is to certify that Mr./Ms./Mrs./Dr./Prof. **XXXXXX** from **XXXXXX**,
XXXX, has attended the Faculty Development Program on
'**Android Application Development**' conducted by the
Department of Computer Science & Engineering, Godavari
Institute of Engineering & Technology (Autonomous), during July
09-13, 2018.


Convener/HoD


Principal

July 13, 2018

Concluding remarks on the Event.

"Report FDP on Android Application Development" being organized by [Department of CSE] during 09-13 July 2018 have been Submitted to IQAC of GIET(A).

P. Sri Ram Chandra
16 July 2018

Faculty Coordinator: Dr.P.Sri Ram Chandra, Associate Professor, Dept. of CSE
Signature with date

B. Sujatha

Head of the Department: Dr. B.Sujatha Professor, Dept. of CSE
Signature with date

Head of the Department
Computer Science & Engineering
Godavari Institute of Engineering & Technology
H-16, Chaitanya Knowledge City
Bhavani Hills, Mahendravaram, A.P. India, 533 201

Note-2: The organising Departments/Offices/ Sections are requested to use this format with liberty to modify as per the need.

REPORT ON
A
FIVE-DAY FACULTY DEVELOPMENT
PROGRAMME
On
"Grid Integration and Energy Storage in Renewable
Energy Systems"

Date: 08th OCTOBER 2018 to 12th OCTOBER 2018



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, A.P.

Contents:

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating students/ Department	5
3	Schedule of the Event	12
4	List of Resource Persons	13
5	Photographs	14

Section 1

Brief Report of the Event ["Grid Integration and Energy Storage in Renewable Energy Systems"]

The report explores the critical aspects of grid integration and energy storage in renewable energy systems. As the world increasingly embraces renewable energy sources like solar, wind, and hydro, the seamless integration of these intermittent sources into existing power grids is paramount. Challenges arise due to their variable nature, which can cause fluctuations in power supply and grid instability. To address this, the report emphasizes the significance of energy storage technologies. By storing excess energy during peak generation and releasing it during low generation periods, energy storage systems ensure a steady and reliable energy supply. They also improve grid resilience, mitigate renewable energy curtailment, and optimize overall system efficiency. The report highlights the importance of continuous research, innovation, and supportive policies to fully harness the potential of renewable energy and energy storage technologies in achieving a sustainable and clean energy future.

Topics Include

1. Introduction to Grid Integration of Renewable Energy
2. Grid Codes and Standards
3. Grid Connection Technologies for Solar PV Systems
4. Energy Storage Systems for Grid Integration
5. Grid Stability and Power Quality Issues

Objective of the FDP

To impart knowledge on artificial intelligence and its application in the field of advanced power systems for Electrical Engineers.

Who can attend?

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

About the FDP

Electricity consumption in Indian homes has tripled since 2000. The percentage of households with access to electricity has increased from 55% in 2001 to more than 85% in 2019. A deep dive towards advanced power system operation and control is the current topic of research. Artificial Intelligence techniques along with the analytical techniques can significantly contribute in the solution of the related problems. Expert systems, artificial neural networks, fuzzy systems, evolutionary programming, and other artificial intelligence methods have been proposed for advanced power system applications. This FDP will impart knowledge on power system operation and control using artificial intelligence. Overall, this FDP will serve to be a great platform for faculty and researchers to upgrade their knowledge in the area of AI applications in advanced power systems.

Invited Experts

All the experts who are invited as resource persons belong to IITs and NITs of various states and other reputed MNCs.

Topics Include

1. Introduction to Grid Integration of Renewable Energy
2. Grid Codes and Standards
3. Grid Connection Technologies for Solar PV Systems
4. Energy Storage Systems for Grid Integration
5. Grid Stability and Power Quality Issues

How to register?

A DD of Rs. 500 is to be taken in favour of The Principal, Godavari Institute of Engineering and Technology (Autonomous). Registration form (Filled and duly signed) should be sent along with the DD to The HOD, Department of EEE, Godavari Institute of Engineering & Technology (AUTONOMOUS), NH-16, Chaitanya Nagar, Rajahmundry-533296, Andhra Pradesh.

Last date for registration: **2nd October 2018**

Contact details

Dr. D. Ravi Kishore - 8886668239

Professor & HOD, Dept. of EEE

Mr. T. Amar Kiran - 9963403431

Asst Professor, Dept. of EEE

Accommodation

Accommodation will be provided on chargeable basis on prior request in the institute. The participants will not be paid any TA/DA. Course materials, working lunch and refreshments will be provided.

A Five-day Faculty Development Programme On "Grid Integration and Energy Storage in Renewable Energy Systems" (October 08 – October 12, 2018)



Convenor

Dr.D.Ravi Kishore

Organized by

Dept. of Electrical & Electronics Engineering



Godavari Institute of Engineering & Technology (AUTONOMOUS)

(Recognized by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)

NH-16, Chaitanya Nagar, Rajahmundry-533296, AP

Ph: +91-883-2484820-31, Fax: +91-883-2484739

Website: <http://www.giet.ac.in>

About the Institute

Godavari Institute of Engineering & Technology (GIET) was established in the year 1998 to offer engineering education of world-class standards, located in the serene and sylvan suburbs of Chaitanya Knowledge City, Rajahmundry on NH-16, the sprawling 300-acres of GIET campus reflects the finest educational facilities around. GIET is an autonomous institution, accredited by NAAC 'A+' Grade with CGPA 3.37. GIET is also recognized by the University Grants Commission (UGC) u/sec. 2(f) and 12(B) and permanently affiliated to Jawaharlal Nehru Technological University Kakinada (JNTUK). GIET is having PIO/Foreign National Status. GIET has signed MoUs with Foreign Universities of UK, USA and Canada for faculty/student exchange programs, dual degree programs and for joint research. GIET ranked in India Rankings 2019 in Rank-band 151-200. University Grants Commission (UGC) approved GIET under the scheme of 'Paramarsh' for mentoring NAAC Accredited Aspirant Institutions to promote Quality Assurance in Higher Education. For the last two and a half decades, the GIET Institutions gain a place of repute in India and abroad and a preferred destination for quality Engineering, Management, Pharmacy, Arts & Science education in Diploma, UG & PG levels. Institute is offering 7 UG programmes in engineering, 10 PG programmes in M.Tech, MBA, MCA. It offers the best practical exposure to students to meet the industry requirements.

About the Department

The Department of Electrical & Electronics Engineering offers UG with intake 120 and PG programme in specialization of Power Systems High Voltage Engineering with intake of 36.

The departments has well talented, qualified, experienced and dynamic faculty along with skilled technical supporting staff who spearhead the process of achieving the vision of the departments. The department has IIT & MIT video lectures, and internet leased line with speed of 20Mbps, d well equipped labs & infrastructure. A good number of students are being placed through campus placements in both core MNC companies as well as public sector units every year. They are trained to meet the industry standards on completion of the course.

Registration form

1. Name:
2. Department:
3. Qualification:
4. Designation:
5. Institution:
6. Email:
7. Contact number:
8. Subjects taught:
9. Experience:
10. Address for communication:
11. DD Number: Dated:
12. Name of the bank:

Signature of the
Applicant

Signature of the
Principal(with seal)

CHIEF PATRON

DR. KVV SATYANARAYANA RAJU

Chairman, Chaitanya Group

PATRONS

Sri Ravi Kiran Varma Kalidindi

Managing Director, KIMS

Sri Sasi Kiran Varma Kalidindi

Managing Director, Chaitanya Group

Smt. K.V.V.Lakshmi Kalidindi

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Mrs. K. SARITHA

Mr. V. SURESH

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Mr. N.VIJAYA KUMAR

Mrs. K. SARITHA

Mr. V. SURESH

To acquire good knowledge towards Research and development of our college EEE faculty, conducted the above said FDP.

Organizing team: Department of Electrical and Electronics Engineering, GIET (A)

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Section 3

Schedule of the Program: **08th OCTOBER 2018 to 12th OCTOBER 2018**

Time : 02:00 PM to 05:00 PM [IST]

Section 4

Day 1: 08/10/2018

Resource Person: Dr. P. E. S. N Raju*, Assistant Professor, Dept. of EEE, IIT Guwahati

Topic: Development and Validation of Artificial Neural Network-Based Tools for Forecasting of Power System Inertia with Wind Farms Penetration

Day 2: 09/10/2018

Resource Person: Dr. Priti Das, Assistant Professor Research, Institute Innovation Cell, Institute of engineering and management Kolkata

***Topic:** The perspective of Virtual Power Plant- future of green energy goals *

Day 3: 10/10/2018

Resource Person: Dr. P. E. S. N Raju, Assistant Professor, Dept. of EEE, IIT Guwahati

Topic: Microgrids: Key Issues and Challenges

Day 4: 11/10/2018

Resource Person: Dr. Ramesh Devarapalli, Assistant Professor, Institute of Chemical Technology, Mumbai.

Topic: Matlab demonstration of implementing meta-heuristic optimization algorithms with case studies comprising solar PV*

Day 5: 12/10/2018

Resource Person: Dr. P. Satish Kumar, Director, IIIT Basara

Topic: Recent Trends in Multi-level Inverter*

Section 5:

Photographs:

Sample Certificate:








Concluding remarks on the Event.

Report on A FIVE-DAY ONLINE FACULTY DEVELOPMENT PROGRAMME On FIVE-DAY FACULTY DEVELOPMENT PROGRAMME On "Grid Integration and Energy Storage in Renewable Energy Systems" Date: 08th OCTOBER 2018 to 12th OCTOBER 2018- Submitted.

COORDINATOR

Mr. T Amar Kiran
Asst. Prof, Dept. of EEE

Signature: 

CONVENER

Dr. D. Ravi Kishore
Professor & Head, Department of EEE

CONVENER & Head of the Department:

Dr. D. Ravi Kishore
Professor & Head, Department of EEE

Signature:


HOD
Head of The Department
Electrical & Electronics Engg
GIET(A), RAJAHMAHENDRAVARAM



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

FACULTY DEVELOPMENT PROGRAMME

BY

DEPARTMENT OF ENGLISH

HUMANITIES AND BASIC SCIENCES



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

NH-16, CHAITANYA KNOWLEDGE CITY, RAJAHMUNDRY-533 296

Contents

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	3
3	List of Participants	4
4	Schedule of the Event	5
5	List of Resource Persons	5
6	Photographs	6
7	Financial Layout	9

REPORT ON FIVE DAY FDP ON

Technology-Mediated Learning

'Technology-mediated learning' (TML) is an 'umbrella' term, incorporating different approaches to using computers in learning and teaching: computer-aided/assisted learning (CAL), computer-mediated communication (CMC), generic computer-based production and presentation tools and computer-supported research tools. Increasingly, these tools are incorporated (in different combinations) into 'Managed Learning Environments' (MLEs) in which educators can define an environment where learners can access resources, drills, other learners and tutors, research and assessment tools. While it is not the intention here to discuss the efficacy or otherwise of MLEs [see under Language Centres], it is important to note that they, rather than a single, standalone application, often make up the unifying core of courses employing TML.

Computer aided learning As an approach to learning, CAL is now well-established, with roots in the mid-20th century. Based on a view of a learner who interacts with pre-programmed content, CAL typically comprises multimedia material used for training purposes in different contexts where a degree of repetition is considered desirable. For example: the use of specific computer packages, in situations where participating 'for real' could place the trainee in jeopardy (eg operating a nuclear power plant), or simply to drill the use of a particular linguistic feature in the target language. Feedback is instantaneous and takes different forms, depending on what has been provided by the designer. For discussion of the application of CAL to language learning, see article by Davies on [CALL](#).

Computer-mediated communication CMC refers to all communicative activity mediated via computer, including asynchronous tools for deferred access (email, bulletin boards, computer conferences etc.) and synchronous tools for real-time access (text chat, MOOs (Multi-user domains, Object-Oriented), graphical virtual worlds (eg. [ActiveWorlds](#) and [Traveler](#)) audio-/video-conferencing applications (eg [CUSeeMe](#), [NetMeeting](#)). The majority of use and research into the use of CMC has dealt with asynchronous text-conferencing and email ([Lamy & Goodfellow 1999](#), [Mak & Yeung 1999](#)); these are particularly flexible tools, allowing learners to access discussions at times to fit their own schedules. Evidence from HE suggests that text-based CMC, in particular - which is relatively anonymous in comparison to, say, video-conferencing - encourages contributions from the shyer learner (Freiermuth 2001). Asynchronous CMC supports reflexive learning most effectively, while real-time conferencing tends to encourage more spontaneous use of language and is best employed with small groups of learners working together on a specific problem or topic. (It should be noted that anecdotal evidence from teachers using real-time text-, audio- or video-conferencing suggests that it takes longer in an online environment to achieve the same objectives or learning outcomes as in the face-to-face context) In general, use of CMC for learning emphasises the socio-cultural approach to learning found in constructivist theory ([Felix 2002](#), [Rschoff 2000](#)) (see article by Myles on [SLA](#)).

Computer supported research, analysis, production and presentation Tools The web is an immensely valuable resource for researchers in languages, linguistics and area studies. Simply querying 'web-based research tools' in a search engine will offer a

multitude of resources; search engines themselves provide a means by which to find information, authentic documents and academic publications and collections, while newsletters and mailing/discussion lists based on email offer access to a worldwide community of like-minded students and researchers. Researching topics via the web leads learners to meet their immediate course requirements. By interacting with tools such as statistical packages, electronic dictionaries, concordancers, word-processors, graphical packages and presentation tools when analysing their research findings and preparing them for presentation, they also, indirectly, address the acquisition of 'transferable skills' referred to in subjects' benchmark statements. (For further discussion of the use of the Web in teaching see articles under [Linguistics](#) and [American Studies](#))

Managed learning environments HE institutions around the world use Managed Learning Environments (MLEs) like WebCT and Blackboard. These are publicly available and can be used by HEIs for a fee. There are some MLE-type applications that have been developed by individual HEIs. These include Merlin (University of Hull), ReLaTe (University of Exeter and University College London) and the Open University's Lyceum system ([Hewer & Shield 2001](#)). These tools incorporate many of the features of publicly-available MLEs and CMC tools (eg. shared whiteboard, audio/video conferencing) but have been developed for use, initially at least, for students of those HEIs. MLEs may incorporate CAL, CMC and computer supported research, analysis, production and presentation tools and are mostly accessed via standard web browsers. They can include course materials, links to external resources, CAL exercises, CMC tools, computer-based assessment and learner tracking tools. It should be noted that if use is to be made of computer-based resources like CAL software, external web pages or scanned learning materials, then copyright clearance will almost certainly be required. Copyright for electronic media is extremely complex, closely restricted, and potentially very costly; it is advisable to obtain legal advice before developing MLEs - or any other online resources such as web pages - which rely on the use of externally-sourced materials.

Section 2

List of Participating Institutions/ Departments/Offices

1. Godavari Institute of Engineering & Technology (A)
2. GIET Engineering College
3. Pragati Engineering College (A)
4. Gudlavalleru Engineering College
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16	B.JAGADEESH	ASST.	MEC H	GIET(A)	jagadeeshkumar1104@gmail.com
18	S.JAGADEESH KUMAR	ASST.	MEC H	GIET(A)	suman.dakey@gmail.com
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24	N RAJESH BABU	ASSOC.	ECE	GIET(A)	nrajeshbabu@giet.ac.in

25	S N V S PRASAD	PROF	ECE	GIET(A)	snvsprasad@giet.ac.in
26	Dr.R.Tamilkodi	Professor	MCA	GIET(A)	tamil@giet.ac.in
27	Mr.LVenkateswara Kiran	Assistant Professor	MCA	GIET(A)	lvkiran@giet.ac.in
28	Mr.K Praveen Kumar	Assistant Professor	MCA	GIET(A)	praveenkumar@giet.ac.in
30	Ms.G.Satya Lakshmi	Assistant Professor	MCA	GIET(A)	satyalakshmi121@gmail.com
31	Ms.S.Pravallika	Assistant Professor	MCA	GIET(A)	pravallika@gie.ac.in
32	Dr. M. V. Subba Rao	Assoc.Prof	FED	GIET(A)	mvsubarao@giet.ac.in
33	Mrs. B.L. Ratnavali	Assoc.Prof	FED	GIET(A)	ratnavalli@yahoo.com
34	Mrs.B.Gayatri Devi	Assoc.Prof	FED	GIET(A)	Gayathridevi64@gmail.com
35	Mrs.S.S.Sangamitra	Assoc.Prof	FED	GIET(A)	sangamitra.sirisha@gmail.com
36	M.MADHAVI	Asst. Prof	FED	GIET(A)	
37	D.V.L.SANTHI	Asst. Prof	FED	GIET(A)	santhi.santhi.datla@gmail.com
38	Y.D.SIVA PRASAD	Asst. Prof	FED	GIET(A)	sivaprasad2309@gmail.com
40	I. SRINIVASA RAO	Asst. Prof	FED	GIET(A)	isrinivasr@gmail.com
42	E.PHILIP SAMUEL	Asst. Prof	FED	GIET(A)	philip99@gmail.com
44	K.D.S.NAIDU	Asst. Prof	FED	GIET(A)	naiadu.8765@gmail.com
45	Md.JAIBUNNISA BEGUM	Asst. Prof	FED	GIET(A)	jaibuquest@gmail.com
47	G.V.V.S.SATYAVATHI	Asst. Prof	FED	GIET(A)	
48	K.C.JOSE	Asst. Prof	FED	GIET(A)	jcheri58@gmail.com
50	V.SUBRAHMANYAM	Assoc.prof	AME	GIET(A)	vasuma999@gmail.com
52	S.RAJASEKHAR	Assoc.prof	AME	GIET(A)	rajasekharsandhi@gmail.com
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56	T.V.DHARMA RAJU	Asst. Prof	AME	GIET(A)	dharmaraju.tirumani@gmail.com
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59	B.CHANDRAKALA	Asst. Prof	AME	GIET(A)	bandaruchandrakala09@gmail.com
60	P.REVATHI	Asst. Prof	AME	GIET(A)	revathi1917@gmail.com
61	Mr. V. Suresh	Assistant Professor	EEE	GIET(A)	sureshvendoti@gmail.com
62	Mr. I. Prudhvi Kumar Raju	Assistant Professor	EEE	GIET(A)	prudhvi@giet.ac.in
63	RD.GOODWIN	Assoc.prof	MBA	GIET(A)	goodwin@gmail.com
64	R.SATYANARAYANA	Asst. Prof	MBA	GIET(A)	satya@gmail.com
65	RV.SATYA PRASAD	Asst. Prof	MBA	GIET(A)	Prasad@gmail.com
66	VVS.RAGHAVENDRAN	Asst. Prof	MBA	GIET(A)	raghava@gmail.com
67	P.MANJUNADH	Asst. Prof	MBA	GIET(A)	manjunadh@gmail.com
68	P.PRAVEENA	Asst. Prof	MBA	GIET(A)	Praveena@gmail.com
69	P.CHAKRA RAO	Asst. Prof	MBA	GIET(A)	chakrarao@gmail.com
70	M.V.SANGAMESWAR	Prof	CSE	GIET(A)	de@gmail.com
71	M.RAVI SANKAR	Prof	CSE	GIET(A)	sankar@gmail.com
72	JMSV RAVI KUMAR	Prof	CSE	GIET(A)	ravi@gmail.com
73	D.SATTI BABU	Assoc.pr	CSE	GIET(A)	babu@gmail.com
74	RADHA MOHAN	Assoc.prof	CSE	GIET(A)	mohan@gmail.com

	PATTANAYAK				
75	M.S.CHAKRAVARTHI	Assoc.prof	CSE	GIET(A)	ms@gmail.com
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77	SHRIJA MADHU	Assoc.prof	CSE	GIET(A)	shrija@gmail.com
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79	M V SATISH VARMA	Asst. Prof	CSE	GIET(A)	satishv@gmail.com
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81	P.NAGAMANI	Asst. Prof	CSE	GIET(A)	nagamani@gmail.com
82	V.KUSUMA KUMARI	Prof & dean	FED	GIET(A)	dean.hbs@giet.ac.in
83	Mr.Venkataratnam Gollapalli, Asst. Professor	Asst. Professor	HBS	Pragathi Engineering College	Pragathi.pragathi@ac.In
84	Mrs.Chandrakala Somarowthu, Asst. Professor	Asst. Professor	HBS	Pragathi Engineering College	Pragathi.pragathi@ac.In
85	1. Kum V S G ISWARYA , ASSISTANT PROFESSOR,	Asst. Professor	HBS	Ideal Institute of Engineering	idealtech@ac.in

Schedule of the event

Five Day Faculty Development Programme on Technology Mediated Learning

Lecture Schedule

DATES	MORNING (10:00-11:00 AM) AFTERNOON (2:00-3:00 PM)	
5-07-2018	Inauguration and Briefing about FDP	Mrs.S.Sunila Sailaja Asst.Prof HBS
6-07-2018	Bowler's Theory	Dr.D.Kesava Rao Prof. NIT WARANGAL
7-07-2018	Softwares for LSRW	
8-07-2018	Required infra in the Engg.Colleges	
9-07-2018	Practicals	

Section 6

S.No	List of Resource Persons
1	Dr.D.Kesava Rao Prof. NIT WARANGAL
2	<i>Dr. Siva kasi Lecturer NIT Warangal</i>

PHOTOGRAPHS





GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)

Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada
Rajamahendravaram, A.P., INDIA, PIN:533296, www.giet.ac.in

CERTIFICATE OF PARTICIPATION

*This is to certify that Mrs. Chandrakala Somarowthu, Asst. Professor
Pragati Engineering College (A) has successfully completed the FIVE-DAY faculty
development program on **TECHNOLOGY MEDIATED LANGUAGE LEARNING** held
from 5th July to 9th July, 2018 organized by the Department of HBS*

V. Kusuma Kumari

DEAN-HBS

PRINCIPAL

Concluding remarks on the Event.

Faculty Coordinator: Dr.V.Sarath Chandra

Signature with date : *Dr.V.Sarath Chandra*

:

Head of the Department: Dr. V.Kusuma Kumari

Signature with date :

V. kusuma kumari
Dr. V. KUSUMA KUMARI
DEAN - HBS
Godavari Institute of Engineering & Technology (A)
NH-19, Challaraya Knowledge City
RAJAHMUNDRY - 533 296, E.G. DIST., (A.P.)

Important Dates:

Beginning date: 5th July, 2018

Ending date: 9th July, 2018

Venue:

Seminar Hall, R.K. Block

GIET(A)

Rajahmundry

Registration Link:

<https://forms.giet/nsH6t2qxa5RjeQmz8>

Short program outlook

Day 1: Inaugural

Talk on Existing Language Labs

Day 2: Talk On Innovations -learning
Methods

Day 3: Group Discussions and short
Activities

Day 4: Wide coverage of the FDP Topic

Day 5 Valedictory and Certificates
presentation

ORGANIZING COMMITTEE**Chief Patron**

Sri. KVV Satyanarayana Raju

Chairman, Chaitanya Group

Patrons

Sri. K. Sasi Kiran Varma

Vice-chairman, Chaitanya Group

Smt. K. V. V. Lakshmi

Executive Director, Chaitanya Group

Co-Patrons

P. Subba Raju

General Manager, GIET Institutions

Chairperson

Dr.S.S.N Murthy

Principal, GIET (A)

Convener

Dr. V.KUSUMA KUMARI

Prof, Head of the department,

Department of Humanities and Basic Sciences

Mobile No: 9490148944

Email: hod.bbs@giet.ac.in

Co-ordinator

Ms.S.S.Sailaja

Asst Professor,

Department of Humanities Basic Sciences

Mobile No: 9963394773

Email id: somanasailaja16@gmail.com

**A Five Day Faculty Development Program on
Technology Mediated Language Learning
held from 5th July to 9th July, 2018**

**Organized
by**

**DEPARTMENT OF
HUMANITIES AND BASIC SCIENCES**

**GODAVARI INSTITUTE OF ENGINEERING
& TECHNOLOGY (A)**

INT-10, Chaitanya Knowledge, City, Rajamahendravaram
Andhra Pradesh.

Contact info: +91 9949 993483 , info@giet.ac.in

**For further queries, please mail us at:
englishr@fdpgietn.edu.ac.in**

About the Institute

The college is located at Chaitanya Nagar on NH- 16 on the outskirts of Rajamahendravaram. Godavari Institute of Engineering & Technology is an epitome of excellence in every aspect. Institute is Approved by AICTE and permanently affiliated to JNTUK, Kakinada, Andhra Pradesh.

The Institute got accredited by NAAC+. The institute offers undergraduate programs, postgraduate programs in diverse engineering streams, in addition business and computer applications are running. It features state-of-the-art facilities and a highly qualified and knowledgeable pool of staff members, apart from the prescribed course curriculum, the institute offers an entire educational experience with greater exposure of students advanced skill learning via existing centres of excellence. It has been a pioneer in adopting several pedagogic innovations for the benefit of students. The achievements of the students of this institution in academics as well as placements stand testimony to the fact.



About the Department

The department of Humanities and Basic Sciences has been the threshold to engineering four years course study and would nourish the every new entrant with sinews of caliber and potency to design himself as potential engineer. It has been the largest department parenting many sub domains like Mathematics, English, Physics, Chemistry and other divisional subjects like Environmental sciences, Managerial economics, financial accounting including sports and Games.



About the Program



A language laboratory recognizes the existence and prevalence of wide-spread individual differences in language aptitude even among the average and superior intelligence. Its approach is essentially individualistic. A language laboratory allows much time for oral and auditory experiences. It affords the opportunities for students to hear the language spoken language a native and to practice speaking in the language themselves. A language laboratory provides for a well designed and carefully produced pattern of drills and thus relieves the teacher of endless repetition of patterns.

RESOURCE PERSON

Dr.D.S.Kesava Rao
Prof, NIT Warangal
Mobile No: 9849358621
Email id: dskesava@yahoo.com



Godavari Institute of Engineering & Technology **DP-71**

REPORT ON

FDP on Developing Potentials - Emerging Technologies of Computer Science

Date: 20/08/2018 to 25/08/2018



Department of Computer Applications

**GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP



Contents:

Section	Description	Page No
1	Brief Report of the Event	3
2	List of Participating Institutions/ Departments/Offices	3
3	List of Participants	3-4
4	Schedule of the Event	6
5	Event Broacher and Certificates	6
6	Financial Layout	7
7	Conclusion	7

Section 1

Brief Report of FDP on Developing Potentials - Emerging Technologies of Computer Science:

This Faculty Development Programme is hosted by Department of Computer Applications established in the year 2002. This FDP is intended to be a comprehensive, in-depth guide to With the emergence of new technologies in Computer Science, the possibilities for innovation and development in the tech world are endless. From machine learning and artificial intelligence to blockchain and 5G, these emerging technologies are transforming the way we use computers and the internet.

Objectives of the program : Technology is a powerful force that has significantly influenced the future. It has enriched our lives in innumerable ways, from boosting productivity and efficiency to bridging geographical distances. Artificial intelligence (AI), machine learning (ML), robotics and 5G networks are reshaping industries, opening up new applications, and altering our way of life

Organization of Event : GIET (A)

For whom : Faculty from GIET (A) & various Colleges

Organizing team : MCA Department

Speaker Names : Dr.P.Siva Kumar, Mr.S.Narendra, Dr.V.S.Naresh

List of Participating Institutions/ Departments/Offices

Godavari Institute of Engineering & Technology, Rajahmundry

GIET-Campus Faculty


S.No	Name of the participant	Position
1	A Madhu	Faculty
2	M V Naga Raju	Faculty
3	B Naveen Kumar	Faculty
4	U Veera Raju	Faculty
5	B Priyanka	Faculty




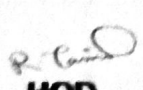

6	P kiran Mai	Faculty
7	N Praveen Kumar	Faculty
8	K V Lalitha	Faculty
9	K S Rama Raju	Faculty
10	D Gowni Sankar Rao	Faculty
11	S Suneetha	Faculty
12	Rupalin Nanda	Faculty
13	B Sujatha	Faculty
14	N Leelavathy	Faculty
15	P V G K Jagannadha Raju	Faculty
16	M V Sangameswar	Faculty
17	M S Chakravarthi	Faculty
18	P Sri Ram Chandra	Faculty
19	V Vandana Peter	Faculty
20	A Ajay Kumar	Faculty
21	S Mohan Krishna	Faculty
22	V Sangameswar	Faculty
23	R Tamilkodi	Faculty
24	K Valli Madhavi	Faculty
25	K Shrija Madhu	Faculty
26	J Annapurna	Faculty
27	Y Kumara Babu	Faculty
28	L V Kiran	Faculty
29	P Siva Prasad	Faculty
30	K Praveen Kumar	Faculty
31	Sk Saddam Hussain	Faculty

32	R Bala Dinakar	Faculty
33	G Satya Lakshmi	Faculty
34	U Ravindra Kumar	Faculty
35	G Rajesh	Faculty
36	S Divya	Faculty
37	D Sudharani	Faculty
38	G Palani Kumar	Faculty
39	K Sunil Kumar	Faculty
40	B Bharath Kumar	Faculty
41	P Srikanth	Faculty
42	V Nageswara Rao	Faculty
43	V V Ravindra	Faculty
44	B V V S M avinash	Faculty
45	S T P Kousalya	Faculty
46	Balachandra	Faculty
47	K Sudheer	Faculty
48	Viaya Durga	Faculty
49	B Bhanu Prakash	Faculty
50	Bhaskara Reddy	Faculty

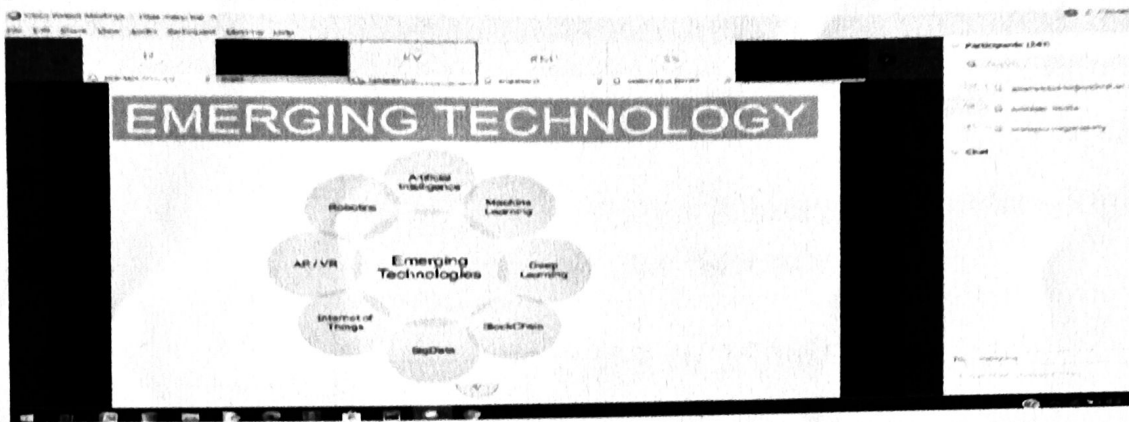
Schedule of the Event:

<p>Organising Committee Chief Patron Shri. K.V. Satyanarayana Raju Chairman, Chaitanya Group</p> <p>Patrons Shri. K. Sasi Kiran Varma Vice-chairman, Chaitanya Group Smt. K. V. V. Lakshmi Executive Director, Chaitanya Group</p> <p>Co-Patrons Dr. D. L. N. Raju CEO, Chaitanya Group P. Subba Raju General Manager, GIET Institutions</p> <p>Chairperson Dr. P.M.M.S. Sharma Principal, GIET(Autonomous)</p> <p>Convener Dr. R. Tamilkodi Head of the Department, MCA Email: hod.mca@giet.ac.in</p> <p>Co-Ordinators Mr. L.V. Kiran, Assistant Professor, Department of MCA Mr. K. Prasanna Kumar Assistant Professor, Department of MCA</p>	<p>A ONE WEEK FACULTY DEVELOPMENT PROGRAM "Developing Potentials - Emerging Technologies of Computer Science" Resource Speakers</p> <div style="border: 1px solid black; padding: 5px; margin: 5px auto; width: 80%;"> <p>Dr. P. Sivakumar, Associate Professor, Department of CSE, Sri Engg College, Tadepalligudem</p> </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Mr. S. Narendra Sr. Asst. Professor Department of CSE, VVIT Namuru, Guntur 522538</p> </div> <div style="border: 1px solid black; padding: 5px; width: 45%;"> <p>Dr. V. S. Nareesh Professor & Dean (R&D), Department of CSE, Sri Vasavi Engg College, Tadepalligudem</p> </div> </div> <p>About FDP Technology is a powerful force that has significantly influenced the future. It has enriched our lives in innumerable ways, from boosting productivity and efficiency to bridging geographical distances. Artificial intelligence (AI), machine learning (ML), robotics and 5G networks are reshaping industries, opening up new applications, and altering our way of life.</p> <p>Participants: Research scholars, PG Students, Faculty Members and Industrialists.</p> <p>Timings: 9 am to 1 pm and 2 pm to 6 pm.</p>	<p>A ONE WEEK FACULTY DEVELOPMENT PROGRAM "Developing Potentials - Emerging Technologies of Computer Science" On 20-08-2018 to 25-08-2018 Organized By Department of MCA</p>  <p>Godavari Institute of Engineering & Technology (Autonomous) Approved by AICTE NAAC "A+" Recognized by UGC Perpetually Affiliated to JNTU NH-16, Chaitanya Knowledge City, Rajahmundry, 533296 Registration Fee: Rs 500/- Include Lunch and Refreshments. Registration link: https://forms.gle/WA2N9k2fZnZPvUy9</p>
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Certificates:

<p>GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A)</p> <p>NH-16, Chaitanya Knowledge City, Rajahmundry 533 296</p> 	
<p>Certificate of Participation</p>	
<p>This is to certify that <i>Mr. U. RAVINDRA KUMAR</i>, has participated in the One Week Faculty Development Program on "Developing Potentials - Emerging Technologies of Computer Science" held from 20-08-2018 to 25-08-2018, Organized by Department of MCA.</p>	
 HOD	 Principal

Speakers Presentation:



Financial Layout

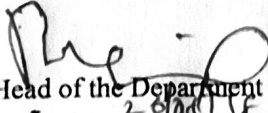
S.No	Total Expenditure	Estimated Budget(in Rs.)
1	Honorarium to Resource Persons	Rs.30,000

Concluding remarks on the Event:

“Report on FDP on Developing Potentials – Emerging Technologies of Computer Applications being organized by Department of Computer Applications during 20-08-2018 to 25-08-2018 submitted.

Coordinator: Mr. L. V. Kiran, Mr. K. Praveen Kumar Assistant Professors MCA

Signature with Date


Head of the Department
26/8/2018

Head, Dept of Computer Applications
Godavari Institute of Engg & Technology
NH-16, Chakanya Knowledge City
Rajahmundry - 533296



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY (A)

DP-71

REPORT ON

ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

Date:12-07-2018



[Department Of ECE]

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

List of contents

S.NO	CONTENT	PAGE NO
1	Brief Report of the Event	4
2	List of Participating Institutions/ Departments/Offices	4
3	List of Participants	7
4	List of Resource Persons	4
5	Sample Certificate	9
6	Photographs	9

Objective of the FDP

The main objective is to make the participants familiar with machine learning and information retrieval techniques.

Who can attend?

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host institutions.

About the FDP

Artificial Intelligence (AI), the ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings. The term is frequently applied to the project of developing systems endowed with the intellectual processes characteristic of humans, such as the ability to reason, discover meaning, generalize, or learn from past experience. Since the development of the digital computer in the 1940s, it has been demonstrated that computers can be programmed to carry out very complex tasks—such as discovering proofs for mathematical theorems or playing chess—with great proficiency. Still, despite continuing advances in computer processing speed and memory capacity, there are as yet no programs that can match full human flexibility over wider domains or in tasks requiring much everyday knowledge. Thus FDP will impart knowledge on artificial intelligence. Overall, this FDP will serve to be a great platform for faculty and researchers to upgrade their knowledge in the area of AI applications.

Invited Experts

All the experts who are invited as resource persons belong to IITs and NITs of various states and other reputed MNCs.

Topics Include

- Counter intelligence
- Cryptology
- Cyber Intelligence
- Foreign & Domestic Intelligence
- Intelligence Policy Documents
- Intelligence Sharing
- International Intelligence Organizations
- Politicization of Intelligence

How to register?

A DD of Rs 500 (Refundable) is to be taken in favour of The Principal, Godavari Institute of Engineering and Technology (Autonomous. Registration form (Filled and duly signed) should be sent along with the DD to The HOD, Department of EEE, Godavari Institute of Engineering & Technology (AUTONOMOUS), NH-16, Chaitanya Nagar, Rajamahendravaram-533296, Andhra Pradesh. The amount shall be refunded at the end of the programme.

Last date for registration: 30th June 2018

Contact details

Dr. S. V. R. K. RAO

Professor & HOD, Dept. of ECE

Mr. Biswa Ranjan Barik

Asst Professor, Dept. of ECE

Accommodation

Accommodation will be provided on chargeable basis on prior request in the institute. The participants will not be paid any TA/DA. Course materials, working lunch and refreshments will be provided.

5 - DAYS FACULTY DEVELOPMENT PROGRAMME

On

"Artificial Intelligence and Deep Learning"

(July 05 - July 09, 2018)

Convenor

Dr. S. V. R. K. RAO

Organized by

Dept. of Electronics and communication Engineering



An Autonomous Institution
NBA Accredited & NAAC A+

Godavari Institute of
Engineering & Technology
(AUTONOMOUS)

NH-16 Chaitanya Knowledge City
Rajamahendravaram, A.P.

INDIA-533296

REPORT

Event Name : **ARTIFICIAL INTELLIGENCE AND DEEP LEARNING**
Event Date : 05-07-2018 to 09-07-2018
Event Venue : R.K Block, Seminar Hall, GIET CAMPUS
Event Guest : Prof.T.V.Prasad, Director Quality Assurance, GIET(A)

List of Participating Institutions/ Departments/Offices:

1. Godavari Institute of Engineering & Technology (A)
2. GIET Engineering College
3. Pragati Engineering College (A)
4. Ideal Institute of technology kkd.

List of Resource persons

1. **Dr. M. Saidulu**, Professor, NIT Warangal
2. **Dr. A. Daveedu Raju**, Professor, NIT Warangal
3. **Dr. Shameera Begum**, Professor, NIT Warangal

A faculty development program on "**ARTIFICIAL INTELLIGENCE AND DEEP LEARNING**" was organized for the staff at Godavari Institute of Engineering & Technology (A), Rajahmundry. The session was delivered by **Dr. M. Saidulu**, Professor, NIT Warangal., **Dr. Shameera Begum**, Professor, NIT Warangal. The objective of event was to provide platform for the participants to acquire knowledge about **ARTIFICIAL INTELLIGENCE**. The chief guest of the program **Dr. A. Daveedu Raju**, Professor, NIT Warangal addressed The objective of event was to provide platform for the participants to acquire knowledge about **DEEP LEARNING**. This faculty development program (FDP) is devoted to fundamental theories, recent developments and research outcomes addressing the related theoretical and practical aspects of Artificial Intelligence (AI), and Deep Learning (DL) algorithms.

- ☐ **Artificial Intelligence (AI)** - the broad discipline of creating intelligent machines
- ☐ **Deep Learning (DL)** - refers to systems that learn from experience on large data sets

Artificial intelligence (AI) is the overarching discipline that covers anything related to making machines smart. Whether it's a robot, a refrigerator, a car, or a software application, if you are making them smart, then it's AI. Deep Learning (DL) is ML but applied to large data sets. Most AI work now involves ML because intelligent

behaviour requires considerable knowledge, and learning is the easiest way to get that knowledge. The image below captures the relationship between AI, and DL.

The department invited professor .T.V.Prasad, Director of Quality Assurance, GIET institutions. As the guest of honour in the seminar where he delivered a talk on the topic entitled **"ARTIFICIAL INTELLIGENCE AND DEEP LEARNING"** in different dimension of fields. One of the co-convenors of the internet of things FDP programme Dr. S.V.R. K. Rao, HoD, Dept. of ECE delivered the opening remarks. He formally welcome all the participants gathered for the programme, It was inaugurated by **Dr. P.M.M.S. Sharma Principal, GIET (A) Institution**, Dr. M. Srinivasa rao, HOD – MECH, Dr. S. V. S. N. Murthy, Vice-principal (Admin), Principal Dr. Ramanujam , Giet –Polytechnic , Dr.V.Kusuma Kumari, DEAN-SP.

Principal Dr.P.M.M.S.Sarma had addressed the gathering with their stimulating thoughts on Science and Technology. Dr.M.Sreenivasa Rao, HOD – MECH spoke on the importance of Artificial Intelligence and Deep Learning.

Dr.T.V. Prasad gave a thought provoking speech on the topic Artificial Intelligence and Deep Learning in each field. Several interesting facts regarding advantages of technology were explained like technology helps increase in production, saves time, helps in improving services, easy and quick communication, reduces online crime / cyber crime and has been increased safety

Outcome of Program

This FDP covered the basic concepts of Artificial Intelligence (AI) and Deep Learning (DL) algorithm that helps us to build and apply prediction functions with an emphasis on practical applications. This FDP technically competent in the basics and the fundamental concepts of Artificial Intelligence (AI) and Deep Learning (DL) such as:

- ☐ Understand components of an Artificial Intelligence (AI) and Deep Learning (DL) algorithm.
- ☐ Apply modern learning tools to build and evaluate predictors.
- ☐ How Artificial Intelligence (AI) and Deep Learning (DL) uses computer algorithms to search for patterns in data.
- ☐ How Artificial Intelligence (AI) and Deep Learning (DL) helps to solve optimization problems.

Major Course Contents delivered are:

- ☐ Introduction to Artificial Intelligence (AI) and Deep Learning (DL)
- ☐ Artificial Neural Networks
- ☐ Deep Learning types
- ☐ Search Techniques for Artificial Intelligence
- ☐ Deployment of Deep Learning Models
- ☐ Deep Learning and Implementations

At the end of it, the higher authority congratulated all the staff members. Finally Mr. G. V. VINOD Asst. Prof, Dept. of ECE delivered the vote of thanks.

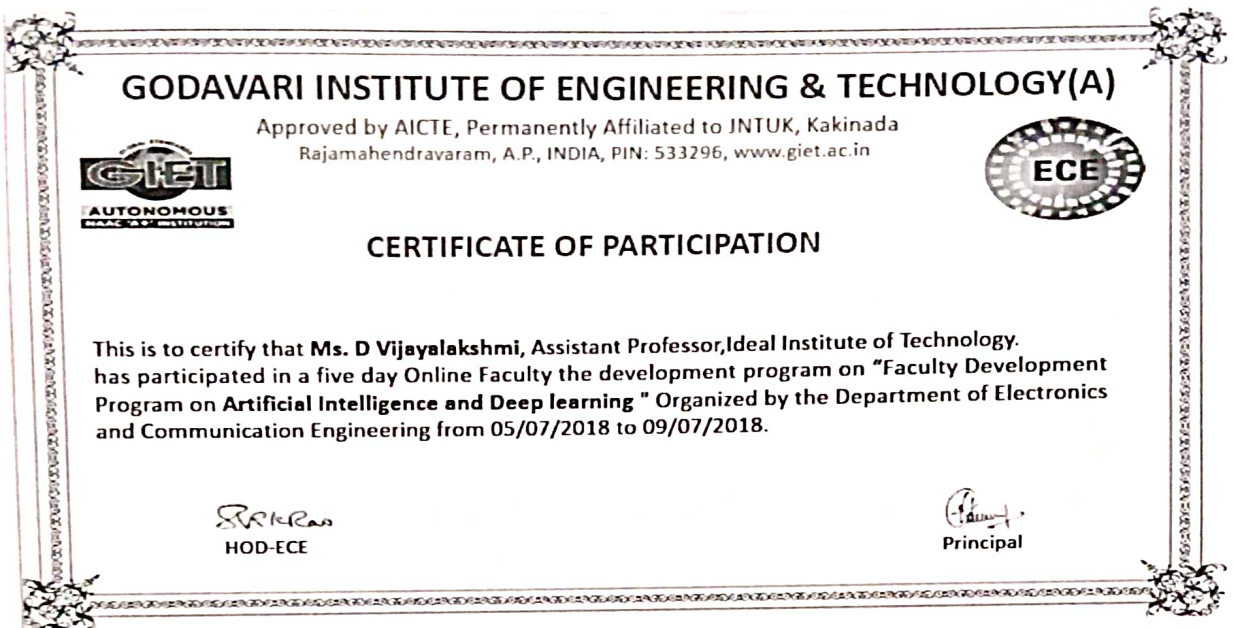
The Co-convenors of internet of things FDP were Mr. D. Vijendra Kumar, Assistant Professor Dept. of ECE, Mr. Ch. Sri Giri Assistant Professor Dept. of ECE Ms. V. Sreevani Assistant Professor Dept. of ECE Ms. M. Saritha Devi Assistant Professor Dept. of ECE Mr. K. Seetha Rama Raju Assistant Professor Dept. of ECE Mr. K. Jayaram Kumar Assistant Professor Dept. of ECE Mr. Ch. Rajesh Babu Assistant Professor Dept. of ECE Mr. Y. Anand Kumar Assistant Professor Dept. of ECE Ms. P. Soundarya mala Associate Professor Dept. of ECE

List of Participants : 34 Faculty from various colleges.

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30	Mr. K T K Mohan	Asst. Professor	ECE	PRAGATHI	ktkmohan@gmail.com
31	Mr. ChVenkateswarlu	Asst. Professor	ECE	PRAGATHI	chvenkateswaralu@gmail.com
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34	V K A S KRISHNAN	ASSISTANT PROFESSOR	ECE	IDEAL	vkaskrishnan@gmail.com

Sample certificate



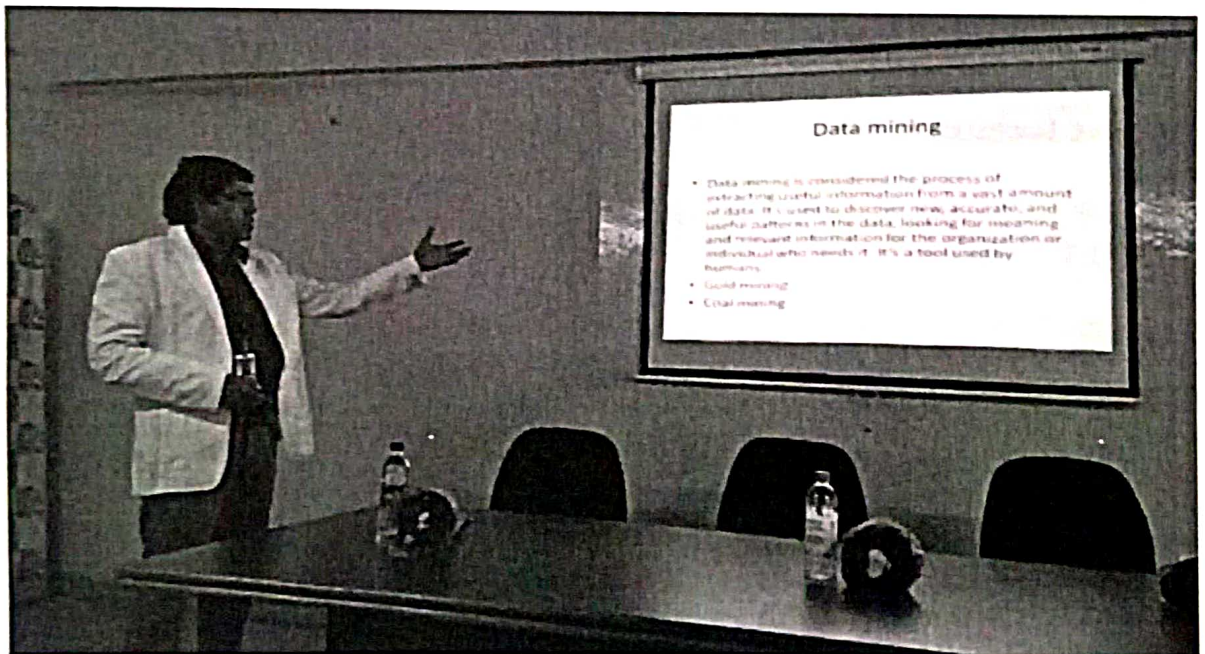
Guest lecturers



Delivering Lecture by Dr. M. Saidulu, Professor, NIT Warangal



Delivering Lecture by Dr.Shameera Begum, Professor, NIT Warangal



Delivering Lecture by Dr. A. Daveedu Raju, Professor, NIT Warangal



Coordinator: Mr. G. V. VINOD, Assistant Prof, Dept. of ECE

Signature of Coordinator

Head of the Department: Dr. S. V. R. K. Rao, *HoD, Dept. of ECE*

Signature of HOD



Godavari Institute of Engineering & Technology

DP-71

REPORT ON

INTRODUCTION TO ARDUINO BOARD

Date:04-02-2019



[Department Of ECE]

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

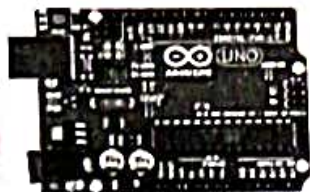
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Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

List of contents

Section	Description	Page No
1	Brief Report of the Event	5
2	List of Participating Institutions/ Departments/Offices	5
3	List of Participants	7
4	Schedule of the Event	6
5	List of Resource Persons	4
6	Sample Certificate	9
7	Photographs	10

**FIVE DAY FDP
ON
INTRODUCTION TO ARDUINO BOARD
27-01-2019 to 31-01-2019**



**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

Convener

Dr. P. VENKAT RAO

Professor & HOD OF ECE

Coordinator

Mr. Dr. S. V. R. K. Rao

Professor, Dept. of ECE



Godavari Institute of Engineering & Technology (A)

NH -16, Chaitanya Knowledge City,

Rajanagaram, Rajamahendravaram, A.P.,

INDIA-533296

About the Institution

Godavari Institute of Engineering & Technology (A) was established in 1998 to offer engineering education of world-class standards. Over the years, the college has come to a long way to gain a place of repute and preferred destination for quality engineering education. It is located in the serene and sylvan suburbs of Chaitanya Knowledge City, Rajamahendravaram, the sprawling 300-acre campus which reflects the finest educational facilities and widely spread buildings and sophisticated labs set amidst idyllic setting and ensures a most congenial atmosphere for scholastic pursuit in right earnest. This institution has autonomous status from 2014-15 onwards, ranked with NIRF in three consecutive years in the band of 200 - 250 and NAAC- A' grade accreditation. The institution is offering 11 UG programs with an intake of 1020 students and also offers M. Tech, MBA & MCA courses. The Institute has recognized research centers by JNTU- Kakinada. The institution has established Center of Excellence for Skill Development through MOU with Govt. of A.P with several reputed organizations such as Advanced Applied Robotic Control (ARC), AVEVA, DASSAULT, SYSTEMS, HEBEON, Technologies, SIEMENS, VENTURE Development Center and VIRTUSA. The institution has PIO status and students are admitted from various foreign countries in addition to students from different states of India.

About the Department

Department of Electronics and communication Engineering, established in 1998, with the vision of imparting top-notch education in the field of Electronics and communication Engineering, useful for bridging the gap between academic and industry. The Department executes a well-planned syllabus accompanied with topics covered beyond

syllabus to gratify the needs of changing technology. The department of Electronics and communication engineering, was established with an intake of 60 students and presently with strength of 180. The department is excelled with good faculty and well-equipped laboratories.

About the FDP

Arduino boards is an easy-to-use open platform to create electronics projects. Arduino boards play a vital role in creating different projects. It makes electronics accessible to non-engineers, hobbyists, etc.

The various components present on the Arduino boards are Microcontroller, Digital Input/output pins, USB Interface and Connector, Analog Pins, Reset Button, Power button, LED's, Crystal Oscillator, and Voltage Regulator. Some components may differ depending on the type of board.

Focus will be on the following research areas

Discuss some common and best Arduino boards.

Arduino Tutorial
Arduino Programming
Basic Projects
Arduino Advanced
Arduino Sensors
Control Motor
Miscellaneous
Arduino Pinout

Chief Patrons

Sri. K.V.V. Setayarasayana Raju

Chairman, Chaitanya group of institutions.

Sri. K. Sasi Kiran Varma

Vice Chairman, Chaitanya group of institutions

Smt. K. Lakshmi Sasi Varma Executive
Director, Chaitanya Group of Institutions.

Patrons

Dr. P. Subba Raju
General Manager, GIET Group
of Institutions

Dr. T.V. Prasad,
Director, QA, GIET Group of Institutions

CHAIRMAN

Dr. P.M.M.S. Sharma
Principal, GIET

Convenor

Dr. P. VENKAT RAO
HoD, Dept. of ECE

Coordinators

Ms. K. JYOTHI Associate Prof, Dept. of ECE

Organizing Committee

Mr. G.V. Vinod, Assistant Prof, Dept of ECE

Mr D. Vyendra Kumar, Assistant Prof, Dept of
ECE

Ms. K. M. Saritha, Assistant Prof, Dept of ECE

Mr N. M. R. Rao, Assistant Prof, Dept of ECE

Resource Persons

The experts are from reputed national and
international academic institutions and
professional leading industries. The details
of the resource persons are as follows

Mr. Harish L
Asst. Prof, Dept of ECE ACSCE, Bangalore

Mr. Mahesh Y.
Electronics and Communication Department
A.J College of Engineering, Belgaum

Mr. Lohith N & Mr. Rangith K. R
Makers Creative, Bangalore

Mr. Varun Sharma
Dronacharya Group Of Institutions Greater Noida

Attarde G. L.
Assistant Professor, SITRC Nasik.

Kulkarni G. M,
Assistant Professor, SPCOE Otur, Pune.

Rahul S. Bansode,
Assistant Professor, SPCOE Otur, Pune.
Prof Dr.Shanker Rajendiran Nagalingam,
PhD, Founder of Chase Technologies, Chennai

Registration form

1. Name: _____
2. Department: _____
3. Qualification: _____
4. Designation: _____
5. Institution: _____
6. Email: _____
7. Contact number: _____
8. Subjects taught: _____
9. Experience: _____
10. Address for communication: _____
11. DO Number: _____
Dated: _____
12. Name of the bank: _____

Signature of Applicant

Signature of HOD

REPORT

Event Name : INTRODUCTION TO ARDUINO BOARD

Event Date : 27-01-2019 to 31-01-2019

Event Venue : R.K Block, Seminar Hall, GIET CAMPUS

Event Guest : Prof.T.V.Prasad, Director Quality Assurance, GIET(A)

List of Participating Institutions/ Departments/Offices:

1. Godavari Institute of Engineering & Technology (A)
2. GIET Engineering College
3. Pragati Engineering College (A)
4. Ideal Institute of technology kkd.

Introduction:

The course aims at providing hands-on experience in terms of programming and modeling skills among the teaching faculty and post-graduate students for analysis and design of IoT Based Applications.

Course Contents

This program will focus on Arduino Uno and Raspberry pi board to design basic and IoT Based applications design using NodeMCU.

The major topics to be covered are:

1. Introduction to Arduino Uno, Raspberry Pi and NodeMCU hardware boards.
2. Sensor based I/O Applications
3. IoT Application with NodeMCU and Arduino.
4. IoT Application with Raspberry pi
5. Blynk app etc.

PROGRAM SCHEDULE

DAY 1 INAUGURATION	
27-01-2019 10 AM -10.30 AM	VENUE R. K. BLOCK,
DAY 1 – SESSION 1	
27-01-2019 10.30 AM -1.00 PM	Introduction to Arduino (Hardware) Introduction to Arduino sketch(Software) Introduction to Arduino programming UNO
DAY 1 – SESSION 2	
27-01-2019 2.00 PM -4.30 PM	LED -7 Segment & LCD display interfacing with Arduino Servo interfacing with Arduino
DAY 2 – SESSION 1	
28-01-2019 9.30 AM -1.00 PM	Ultrasonic sensor, Flame sensor, Gas sensor Temperature sensor, Humidity sensor,
DAY 2 – SESSION 2	
28-01-2019 2.00 PM -4.30 PM	Introduction to MQTT Protocol Introduction to Node MCU Sending sensor data to cloud
DAY 3 – SESSION 1	
29-01-2019 9.30 AM -1.00 PM	Introduction to things speak Basic Healthcare IOT application design
DAY 3 – SESSION 2	
29-01-2019 2.00 PM -4.30 PM	Introduction to BLNYK app Motion detection and fire notification IOT with BLNYK app
DAY 4 – SESSION 1	
30-01-2019 9.30 AM -1.00 PM	Introduction to Python programming Introduction to Raspberry Pi
DAY4 – SESSION 2	
30-01-2019 2.00 PM -4.30 PM	Python programming for Raspberry Pi
DAY 5 – SESSION 1	
31-01-2019 9.30 AM -12.00 PM	Introduction to interfacing camera with Raspberry Pi Raspberry Pi Home security system with camera
DAY 5 – SESSION 2	
31-01-2019 1.00 PM -3.30 PM	Camera and PIR sensor with email notification Uploading light sensor data to cloud using Raspberry Pi
DAY 5 – VALEDICTORY	
31-01-2019 3.30 PM -4.30 PM	VENUE- RK BLOCK

Course Objectives:

1. As a refreshment program for IoT Lab in Circuits and Computer Branches.
2. Faculty trained to guide students to develop 40% of in house hardware projects and faculty R&D.

A faculty development program on "INTRODUCTION TO ARDUINO BOARD" was organized for the staff at Godavari Institute of Engineering & Technology (A), Rajahmundry. The session was delivered by Mr. Harish L Asst. Prof, dept of ECE ACSCE, Bangalore, Mr. Mahesh Y.

Electronics and Communication Department A.J College of Engineering, Belgavi The objective of event was to provide platform for the participants to acquire knowledge about IoT. The chief guest of the program Mr. Lohith N & Mr. Rangith K. R Makers Creative, Bangalore Bombay addressed the participants during the inaugural function. The talk by Mr. Varun Sharma Dronacharya Group Of Institutions Greater Noida and Attarde G. L, Assistant Professor, SITRC Nasik., Kulkarni G. M,

Assistant Professor, SPCOE Otur, Pune. Rahul S. Bansode, Assistant Professor, SPCOE Otur, Pune. was meant for awareness about the research topics related to ARDUINO BOARD. The further sessions of program focused on imparting knowledge about Raspberry Pi open source hardware.

The department invited professor .T.V.Prasad, Director of Quality Assurance, GIET institutions. As the guest of honour in the seminar where he delivered a talk on the topic entitled "INTRODUCTION TO ARDUINO BOARD" in different dimension of fields. One of the co-convenors of the introduction to ArduinoboardFDP programme Dr. P. VENKAT RAO HoD, Dept. of ECE delivered the opening remarks. He formally welcome all the participants gathered for the programme, It was inaugurated by Dr. P.M.M.S. Sharma

Principal, GIET (A) Institution, Dr. M. Srinivasa rao, HOD – MECH, Principal Dr. Ramanujam , Giet – Polytechnic , Dr. V. Kusuma Kumari, DEAN-SP., Dr. S. V. S. N. Murthy Vice Principal- Admin had addressed the gathering with their stimulating thoughts on Science and Technology. Dr. M. Sreenivasa Rao, HOD – MECH spoke on the importance of introduction to Arduinoboard in each field.

At the end of it, the higher authority congratulated all the staff members. Finally Ms., K. Jyothi Associate Prof, Dept. of ECE delivered the vote of thanks.

The Co-convenors of introduction to arduino boardFDP were Mr. G. V. Vinod , Assistant Professor Dept. of ECE Mr. D. Vijendra Kumar, Assistant Professor Dept. of ECE, Ms. K. M. Saritha, Assistant Prof, Dept. of ECE, Mr. N. M. R. Rao , Assistant Professor Dept. of ECE

List of Participants

: 30 Faculty from various colleges.

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29	BH V S R K AYYAPPA KUMAR	ASSOCIATE PROFESSOR	ECE	IDEAL	bhvsrkayyappakumar@gmail.com
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Sample certificate

 GIET <small>AUTONOMOUS</small> <small>RAJAMAHENDRAVARAM</small>	GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY(A) <small>Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada</small> <small>Rajamahendravaram, A.P., INDIA, PIN: 533296, www.giet.ac.in</small>	 ECE <small>GROUP</small>
CERTIFICATE OF PARTICIPATION		
<p>This is to certify that Dr/Mr/Ms. BH. V. S. R. K. Ayyappa Kumar Associate Professor, Ideal Institute of Technology has attended five days faculty development program on Introduction to Arduino board organized by Department of Electronics and Communication Engineering from 27/01/2019 to 31/01/2019</p>		
 HOD-ECE	 Principal	

Resource person was demonstrating the Arduino board





Co-coordinator: Ms., K. Jyothi, Associate Prof, Dept. of ECE

Signature of Co-coordinator

Head of the Department: Dr. P. VENKAT RAO, HoD, Dept. of ECE

Signature of HOD

TECHNICAL EDUCATION
OF
ENGINEERING
Jyothi K. Jyothi-593 293

REPORT ON
A
Six-Day FACULTY DEVELOPMENT
PROGRAMME
On
"Fuzzy based random Pulse Width Modulation
Technique for
Performance Improvement of Induction Motor "

Date: 22-10-2018 to 27-10-2018



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, A.P.

About the Institute

Ideal Institute of Technology, located on Main Road, Ideal College Road, Vidyut Nagar, Kakinada - 533003, is a prominent institution dedicated to technological education. You can reach them at STD - 0884.2363345 or via email at principal@idealtech.edu.in. The institution operates under the governance of the Governing Body of Ideal College of Arts and Science, Kakinada, which shares the same address at Main Road, Ideal College Road, Vidyut Nagar, Kakinada - 533003, situated in the East Godavari District. The institution is under the capable leadership of Dr. T. Srikanth, who serves as the Principal of Ideal Institute of Technology and can be contacted at Mobile: 9848179610 or via email at principal@idealtech.edu.in. Furthermore, Ideal Institute of Technology is affiliated with the prestigious JNT University Kakinada, located in Kakinada-533003, ensuring a high-quality educational experience for its students.

About the FDP

The "Fuzzy-Based Random Pulse Width Modulation (PWM) Technique for Performance Improvement of Induction Motors" is a promising innovation in motor control. This approach combines fuzzy logic, known for its adaptability, with random PWM to enhance the performance of induction motors. By employing fuzzy logic, the system adjusts PWM signals dynamically, optimizing motor efficiency and reducing energy consumption. Random PWM injects variability into the control, reducing harmonic distortion and improving motor behavior. This synergy results in improved motor performance, reduced heat generation, and enhanced energy efficiency, making it particularly relevant for industrial applications. Further research and experimentation may unveil its full potential, making it a noteworthy advancement in motor control technology.

Topics Include

1. Induction Motors: Overview
2. Pulse Width Modulation (PWM) in Motor Control
3. Fuzzy Logic Control: Fundamentals
4. Fuzzy-Based Random PWM for Induction Motor Control
5. Performance Improvement Metrics

How to register?

A DD of Rs. 500 is to be taken in ~~FAVOUR~~ of The Principal, IDEAL INSTITUTE OF TECHNOLOGY. Registration form (Filled and duly signed) should be sent along with the DD to The HOD, Department of EEE, IDEAL INSTITUTE OF TECHNOLOGY Main Road, Ideal College Road, Vidyut Nagar, Kakinada - 533003. STD - 0884.2363345

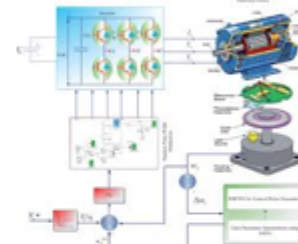
Contact details:

Mr. A Ramesh - 8886668231
Professor & HOD, Dept. of EEE
Mrs. K Suneetha - 9963421464
Asst Professor, Dept. of EEE

Accommodation

Accommodation will be provided on chargeable basis on prior request in the institute. The participants will not be paid any TA/DA. Course materials, working lunch and refreshments will be provided.

A Six-Day Faculty Development Programme On "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" (22nd to 27th October 2018)



Convenor

Mr. A Ramesh

Organized by
Dept. of Electrical & Electronics Engineering



IDEAL INSTITUTE OF TECHNOLOGY

Main Road, Ideal College Road, Vidyut Nagar,
Kakinada - 533003. STD - 0884.2363345, Email:
principal@idealtech.edu.in

Brief Report of the Event:

The title "Fuzzy-Based Random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" suggests that this report focuses on a control strategy for improving the performance of induction motors using a fuzzy-based random Pulse Width Modulation (PWM) technique. Below, I'll provide you with an outline to structure your report:

Title: Fuzzy-Based Random Pulse Width Modulation Technique for Performance Improvement of Induction Motor

Table of Contents:

Introduction

1.1 Background and Motivation

1.2 Purpose of the Report

1.3 Scope and Objectives

1.4 Research Methodology

Induction Motors: Overview

- 2.1 Working Principles of Induction Motors
- 2.2 Importance and Applications
- 2.3 Challenges in Controlling Induction Motors
- 2.4 Need for Performance Improvement

Pulse Width Modulation (PWM) in Motor Control

- 3.1 Basic Principles of PWM
- 3.2 Role of PWM in Motor Control
- 3.3 Traditional PWM Techniques
- 3.4 Advantages and Limitations

Fuzzy Logic Control: Fundamentals

- 4.1 Introduction to Fuzzy Logic
- 4.2 Fuzzy Logic Control (FLC) in Motor Control
- 4.3 Advantages of Fuzzy Logic Control

Random Pulse Width Modulation (PWM)

- 5.1 Introduction to Random PWM
- 5.2 Applications of Random PWM
- 5.3 Benefits and Challenges

Fuzzy-Based Random PWM for Induction Motor Control

- 6.1 Integration of Fuzzy Logic and Random PWM
- 6.2 Design and Implementation
- 6.3 Advantages of Fuzzy-Based Random PWM

Performance Improvement Metrics

- 7.1 Factors Affecting Induction Motor Performance
- 7.2 Metrics for Evaluating Performance Improvement
- 7.3 Simulation and Experimental Setup



IDEAL INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that **Dr.D.RAVI KISHORE**, Professor & HOD, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Ramany
HOD-EEE

T. S. S.
PRINCIPAL



IDEAL INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that **T. AMAR KIRAN**, Asso. Professor, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Rameney
HOD-EEE

T. S. S.
PRINCIPAL



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that **N. VIJAY KUMAR**, Assistant Professor, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Rameney
HOD-EEE

T. S. S.
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that **M V RAGHVENDRA REDDY**, Assistant Professor, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Rameney
HOD-EEE

T. S. S.
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that **SD HAJARA MEHABUNNISA**, Assistant Professor, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Rameney
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CERTIFICATE OF PARTICIPATION

This is to certify that **B V R BHANU SESHU**, Assistant Professor, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Rameney
HOD-EEE

T. S.
PRINCIPAL



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING









CERTIFICATE OF PARTICIPATION


This is to certify that **I SOLMON RAJU**, Assistant Professor, EEE Department from "Godavari Institute of Engineering & Technology" has participated in One Week Faculty Development Program on "Fuzzy based random Pulse Width Modulation Technique for Performance Improvement of Induction Motor" organized by Department of EEE, Ideal Institute of Technology, Kakinada from 22nd to 27th October 2018.

A. Rameney
HOD-EEE

T. S.
PRINCIPAL

Signatures of the Faculty attended:

1. Dr. D.Ravi Kishore - 
2. Mr. T.Amar Kiran - 
3. Mr. N.Vijay Kumar - 
4. Mr. M V Raghvendra Reddy - 
5. Mr. SD Hajara Mehabunnisa - 
6. Mr. B V R Bhanu Seshu - 
7. Mr. I Solmon Raju- 
8. Mr. K.Narendra Babu - 



HOD
Head of The Department
Electrical & Electronics Engg
GIET(A), RAJAHMAHENDRAVARA

REPORT ON
A
ONE WEEK FACULTY DEVELOPMENT
PROGRAMME
On
"SOLAR THERMAL ENERGY"



Date: 18-06-2019 TO 23-06-2019



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, A.P.

Registration form Name:..... Designation:..... Department:..... Institution name:..... Address:..... Pin code:..... Mobile:..... Email Id:..... <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Sign of Applicant </div> <div style="width: 45%;"> sign of Head of Institute </div> </div> Contact details: Ms. P. Vijaya Prasuna, Associate Professor Phone: 9978231856 Mail Id: vijayaprasuna.p@pragati.ac.in Mr. I. Murali Krishna, Associate Professor Phone: 9766457789 Mail Id: muralikrishna.i@pragati.ac.in M. S. Ashok Reddy, Assistant Professor Phone: 9160637547 Mail Id: ashokreddy.sathi@pragati.ac.in	About College Pragati Engineering College, Surampalem was established in 2001 by the Gayatri Educational Society. The Institute is placed in an area of 25 acres of land giving wide academic and infrastructural facilities. It is affiliated to the Jawaharlal Nehru Technological University, Kakinada, accredited by NAAC and approved by AICTE. About FDP >Sun-Earth Geometry > Solar Radiation >Solar Collectors > Solar Thermal Storage > Solar Energy Utilization > Nano Fluids in Solar Applications > Solar Radiative Cooling Technologies >Solar Desalination >Solar Thermal Power Generation >Solar Poly-generation >Modeling and Simulation of Solar Thermal Systems Eligibility This program is designed for all faculty members and research scholars of all departments from all institutions and Industry persons. >> Registration fee. >> Participation Certificate will be provided for those who complete session. >> Register on or before 10/06/2019. >> Registration link https://forms.gle/qBVX3zhKQ4tweMii7	<div style="text-align: center;"> One Week Faculty Development Programme On "SOLAR THERMAL ENERGY" (18/06/2019 to 23/06/2019) Organized by Department of Electrical & Electronics Engineering </div>  <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 70%;"> Pragati Engineering College (Autonomous) </div> <div style="width: 25%; text-align: center;">  </div> </div> <div style="font-size: small;"> Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, ADB Road, Surampalem, A.P. – 533 437 Near Peddapuram, E.G.Dt., AP. Ph: 08852 – 252233, 34. Website: www.pragati.ac.in </div>
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Brief Report of the Event:

A report on solar thermal energy can cover a wide range of topics related to this renewable energy source. Here, I'll provide an outline and key points that you can expand upon to create a comprehensive report on solar thermal energy. Please note that you can add more specific information and data based on your research and the scope of your report.

Key Points to Include:

Solar thermal energy harnesses the sun's heat to produce electricity and provide heat for various applications.

Types of solar thermal systems include Concentrated Solar Power (CSP) and solar water heating.

Solar thermal systems consist of collectors, heat transfer fluids, thermal storage, and heat exchangers.

Applications of solar thermal energy range from electricity generation to water heating, industrial processes, and space heating/cooling.

Various solar thermal technologies, such as parabolic trough systems and solar power towers, exist.

The global solar thermal energy market is influenced by market trends, drivers, challenges, and regional differences.


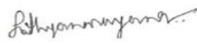

Solar thermal energy offers environmental benefits, including reduced greenhouse gas emissions.




Barriers to adoption include high initial costs and intermittency.

Case studies of successful solar thermal projects demonstrate its real-world applications.

The future of solar thermal energy depends on technological advancements, policy support, and integration with other renewables.

Ensure that you back up your report with credible sources and up-to-date data to make it informative and authoritative. Additionally, consider including charts, graphs, and images to illustrate key points and make the report more engaging for your audience.

 <p>Learning is Supreme Duty</p>	<p align="center">PRAGATI ENGINEERING COLLEGE (Autonomous) Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, ADB Road, Surampalem, A.P. – 533 437 Near Peddapuram, E.G.Dt., AP. Ph: 08852 – 252233, 34. Website: www.pragati.ac.in</p>
	<p align="center">DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING One Week Faculty Development Programme (FDP) On “SOLAR THERMAL ENERGY” Certificate of Participation</p>
<p>This is to certify that <u>P.SUGUNA RATNAMALA, Assistant Professor</u> Of <u>Godavari Institute of Engineering and Technology</u> has actively participated in One Week Faculty Development Programme (FDP) on “Solar Thermal Energy” from 18/06/2019 to 23/06/2019. Organized by Department of Electrical & Electronics Engineering, Pragati Engineering College.</p>	
<p> Dr. K. SATYANARAYANA Coordinator & HOD-EEE</p>	<p> Dr. S. SAMBHU PRASAD Principal</p>

 <p>Learning is Supreme Duty</p>	<p align="center">PRAGATI ENGINEERING COLLEGE (Autonomous) Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada, ADB Road, Surampalem, A.P. – 533 437 Near Peddapuram, E.G.Dt., AP. Ph: 08852 – 252233, 34. Website: www.pragati.ac.in</p>
	<p align="center">DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING One Week Faculty Development Programme (FDP) On “SOLAR THERMAL ENERGY” Certificate of Participation</p>
<p>This is to certify that <u>M.JOHN SREENIVASA RAO, Assistant Professor</u> Of <u>Godavari Institute of Engineering and Technology</u> has actively participated in One Week Faculty Development Programme (FDP) on “Solar Thermal Energy” from 18/06/2019 to 23/06/2019. Organized by Department of Electrical & Electronics Engineering, Pragati Engineering College.</p>	
<p> Dr. K. SATYANARAYANA Coordinator & HOD-EEE</p>	<p> Dr. S. SAMBHU PRASAD Principal</p>



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Near Peddapuram, E.G.Dt., AP. Ph: 08852 – 252233, 34. Website: www.pragati.ac.in

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

One Week Faculty Development Programme (FDP)

On

“SOLAR THERMAL ENERGY”

Certificate of Participation

This is to certify that Mr. Dr. T. VAMSEE KIRAN, Professor

Of Godavari Institute of Engineering and Technology (A) has actively participated in One Week Faculty Development Programme (FDP) on “Solar Thermal Energy” from 18/06/2019 to 23/06/2019. Organized by Department of Electrical & Electronics Engineering, Pragati Engineering College.






Dr. K. SATYANARAYANA
Coordinator & HOD-EEE



Dr. S. SAMBHU PRASAD
Principal

Signatures of the Faculty attended:

1. Mr. M John Sreenivasa Rao - 
2. Mrs.P Suguna Ratnamala - 
3. Dr.T Vamsi Kiran - 



HOD
Head of The Department
Electrical & Electronics Engg
GIET(A), RAJAHMAHENDRAVARAM

REPORT ON

Faculty development program on
“Faculty Development Program on Product Development on 3D Experience”

Dates: 23/10/2018 - 27/10/2018

Organised by

Department of Mechanical Engineering

Swarnandra College of Engineering and Technology

Narsapur-534280, AP, India



The 3DEXPERIENCE platform allows users to analyze structured and unstructured data, combine data from external and internal sources, and create dashboards that offer actionable information to all stakeholders in a secure and auditable manner. 3DEXPERIENCE on the Cloud provides all organizations with a holistic real-time vision of their business activity and ecosystem, connecting people, ideas, data and solutions in a single collaborative and interactive environment available at all times. The easy-to-use interface helps everyone involved in innovation projects interact to imagine, design, simulate and deliver differentiated customer experiences. Break free of IT constraints to scale and ramp up faster than ever with the 3DEXPERIENCE on the Cloud.

Signature of the participant with date

Mr.K. Venkateswararao

Venkateswararao 10/10/2018

Head of the department

Signature with date

T. S. J.

Head of the Department
Mechanical Engineering
GIET (A), RAJAHMUNDRY, A.P

633
22



Godavari Institute of Engineering & Technology (A) DP-71

REPORT ON

Faculty Development Program on Introduction to Machine Learning and Its Applications

Date (s): 16-07-2018 to 21-07-2018



**GODAVARI INSTITUTE OF ENGINEERING &
TECHNOLOGY (AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

Brief Report of the FDP

We are delighted to present a comprehensive report on our participation in the "Faculty Development Program on Introduction to Machine Learning and its Applications." This enlightening program was conducted from July 16, 2018, to July 21, 2018, at Ideal Institute of Technology, Kakinada. We, representing GIET(A), would like to express our gratitude for the opportunity to attend this workshop and for the support provided by the management and principal of our institution.

The Faculty Development Program aimed to equip educators with a profound understanding of Machine Learning (ML) and its diverse applications. The primary objectives of the program were as follows:

- To provide educators with the fundamental concepts and principles of ML.
- To explore the practical applications of ML across various domains.
- To facilitate hands-on learning experiences, enabling participants to apply ML techniques.
- To promote collaboration and knowledge sharing among faculty members from different institutions.

The program was thoughtfully organized, offering a structured curriculum that covered various aspects of ML and its applications. Here are the highlights, listed by topic:

Day 1 (July 16, 2018):

Introduction to Machine Learning: Fundamentals of ML, supervised vs. unsupervised learning, and types of ML algorithms.

Day 2 (July 17, 2018):

Linear Regression: In-depth study of linear regression and its applications.
Logistic Regression: Exploring logistic regression for classification tasks.

Day 3 (July 18, 2018):

Decision Trees and Random Forests: Understanding decision tree algorithms and ensemble methods.
Clustering Algorithms: Introduction to clustering algorithms like K-means and hierarchical clustering.

Day 4 (July 19, 2018):

Natural Language Processing: NLP techniques and applications, including sentiment analysis and text classification.

Day 5 (July 20, 2018):

Neural Networks: Fundamentals of neural networks and deep learning.
Convolutional Neural Networks (CNNs): Exploring CNNs for image classification.

Day 6 (July 21, 2018):

Guest Lectures: Expert speakers sharing insights into the latest research and industry applications of ML.

Hands-On Workshops: Practical sessions on implementing ML algorithms and projects.

Throughout the program, we had the privilege of attending informative sessions, participating in discussions, and engaging in hands-on workshops. These activities deepened our understanding of ML and its wide-ranging applications, enabling us to apply these principles effectively in both teaching and research.

We extend our sincere gratitude to the management and principal of GIET(A) for their unwavering support and encouragement. It is through their foresight and commitment to faculty development that we had the opportunity to participate in this prestigious Faculty Development Program. Such initiatives play a vital role in enhancing the knowledge and skills of faculty members, ensuring that we can provide the highest quality education to our students.

The "Faculty Development Program on Introduction to Machine Learning and its Applications" was an enriching experience for our group, and we are thankful for the opportunity to attend. We are confident that the knowledge and insights gained during this program will significantly contribute to our professional growth and positively impact the quality of education at GIET(A).

FDP Details:

FDP Name: Faculty Development Program on Introduction to Machine Learning and its Applications

Dates: 16-07-2018 to 21-07-2018

Hosting Institute: Ideal Institute of Technology, Kakinada



AUTONOMOUS
NAAC 'A+' INSTITUTION

Godavari Institute of Engineering & Technology (A) DP-71

Certificates



IDEAL

INSTITUTE OF TECHNOLOGY

Certificate of Participation

This is to Certify that

P.NAGAMANI, Assistant Professor, Department of CSE

of **GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

has participated in **One Week Faculty Development Program**
on

"INTRODUCTION TO MACHINE LEARNING AND ITS APPLICATIONS"

Organized by

Ideal Institute of Technology, Kakinada
Department of Computer Science and Engineering
from 16th to 21st July 2018

R S V V PRASAD RAO
CONVENER

M.S.R.S. PRASAD
HOD

Dr. T. Srikanth
PRINCIPAL



IDEAL
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This is to Certify that

CH.UMA DEVI, Assistant Professor, Department of CSE

of **GODAVARI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

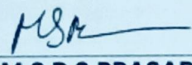
has participated in **One Week Faculty Development Program**
on

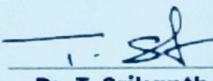
"INTRODUCTION TO MACHINE LEARNING AND ITS APPLICATIONS"

Organized by

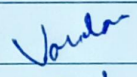
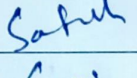
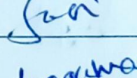
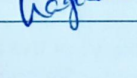
Ideal Institute of Technology, Kakinada
Department of Computer Science and Engineering
from 16th to 21st July 2018

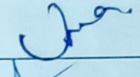
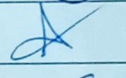
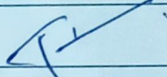
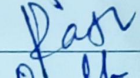
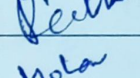
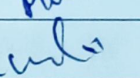
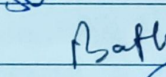
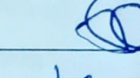

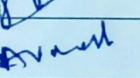
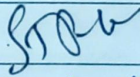
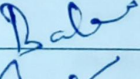
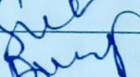

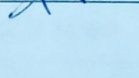



R S V V PRASAD RAO
CONVENER


M.S.R.S. PRASAD
HOD


Dr. T. Srikanth
PRINCIPAL

Faculty Attended List

Sl No	Faculty Name	Designation	Signature
1	Mr.A.Vandana Peter	Assistant Professor	
2	Mr.M.V.Satish Varma	Assistant Professor	
3	Mr.K.V.K.Sasi Kanth	Assistant Professor	
4	Mrs.Nagamani	Assistant Professor	

5	Mrs.CH Uma Devi	Assistant Professor	
6	Mr.V.Ajay Kumar	Assistant Professor	
7	Mr.K.Jyotsna	Assistant Professor	
8	Mr.Ramakrushna Rath	Assistant Professor	
9	Mr.M Satish Kumar Reddy	Assistant Professor	
10	Mr.S.Mohan Krishna	Assistant Professor	
11	Mr.K.Sunil Kumar	Assistant Professor	
12	Mr.Bharath Kumar	Assistant Professor	
13	Mr.P.Srikanth Peddada	Assistant Professor	
14	Mr. V. Nageswara rao	Assistant Professor	
15	Mr.V.V.Ravindra	Assistant Professor	
16	Mr.BVVSM Avinash	Assistant Professor	
17	Mrs.S.T.P.Kousalya	Assistant Professor	
18	Mr.Balachandra	Assistant Professor	
19	Mr.K.Sudheer	Assistant Professor	
20	Mr.Vijaya Durga	Assistant Professor	
21	Mr.B.Bhanu Prakash	Assistant Professor	
22			



Head of the Department: Dr. B.Sujatha Professor, Dept. of CSE

Signature with date

Head of the Department

Computer Science & Engineering

Godavari Institute of Engineering & Technology (A)

NH-16, Chaitanya Knowledge City,

RAJ. MAHENDRAVARAM, A.P. India, 503 200.

623
23



Godavari Institute of Engineering & Technology (A) DP-71

REPORT ON

One Week Faculty Development Program on Machine Learning and Its Real Time Applications

Date (s): 27-08-2018 to 01-09-2018



**GODAVARI INSTITUTE OF ENGINEERING &
TECHNOLOGY (AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP

Brief Report of the FDP

We are pleased to submit a comprehensive report on our participation in the "One-Week Faculty Development Program on Machine Learning and Its Real-Time Applications." This enlightening program took place from August 27, 2018, to September 1, 2018, at Pragati Engineering College, Surampalem. We, representing GIET(A), would like to extend our heartfelt gratitude for the opportunity to attend this workshop and for the support provided by the management and principal of our institution.

The Faculty Development Program aimed to empower educators with an in-depth understanding of Machine Learning (ML) and its real-time applications. The primary objectives of the program were as follows:

To provide educators with a comprehensive knowledge of ML fundamentals.

To explore the practical applications of ML in real-world scenarios.

To facilitate hands-on learning experiences, enabling participants to apply ML techniques to real-time problems.

To encourage collaboration and knowledge sharing among faculty members from different institutions.

Program Highlights:

The program was thoughtfully organized, offering a structured curriculum that covered various aspects of ML and its real-time applications. Here is the schedule, listed by topic:

Day 1 (August 27, 2018):

Introduction to Machine Learning: Basics of ML, supervised vs. unsupervised learning, and types of ML algorithms.

Day 2 (August 28, 2018):

Linear Regression: In-depth study of linear regression and its real-time applications.

Logistic Regression: Exploring logistic regression for classification tasks.

Day 3 (August 29, 2018):

Decision Trees and Random Forests: Understanding decision tree algorithms and ensemble methods.

Clustering Algorithms: Introduction to clustering algorithms like K-means and hierarchical clustering.

Day 4 (August 30, 2018):

Natural Language Processing (NLP): Techniques and applications of NLP, including sentiment analysis and text classification.

Day 5 (August 31, 2018):

Neural Networks: Fundamentals of neural networks and deep learning.

Convolutional Neural Networks (CNNs): Exploring CNNs for image analysis and real-time applications.

Day 6 (September 1, 2018):

Guest Lectures: Expert speakers sharing insights into the latest research and industry applications of ML.
Hands-On Workshops: Practical sessions on implementing ML algorithms in real-time projects.

Throughout the program, we had the privilege of attending informative sessions, participating in discussions, and engaging in hands-on workshops. These activities deepened our understanding of ML and its real-time applications, enabling us to apply these principles effectively in both teaching and research.

We extend our heartfelt gratitude to the management and principal of GIET(A) for their unwavering support and encouragement. It is through their commitment to faculty development that we had the opportunity to participate in this prestigious Faculty Development Program. Such initiatives are instrumental in enhancing the knowledge and skills of faculty members, ensuring that we can provide the highest quality education to our students.

The "One-Week Faculty Development Program on Machine Learning and Its Real-Time Applications" was a transformative experience for our group. We are thankful for the opportunity to attend and are confident that the knowledge and insights gained during this program will significantly contribute to our professional growth and positively impact the quality of education at GIET(A).


FDP Details

Workshop name: One Week Faculty Development Program on Machine Learning and Its real Time Applications

Dates: 27-08-2018 to 01-09-2018

Hosting Institute: Pragati College of Engineering, Surampalem

Certificates


PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
C-128, ADB ROAD SURAMPALEM, NEAR PEDDAPURAM, E.G. DT., ANDHRA PRADESH, INDIA - 511 417

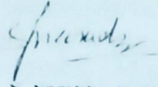
Certificate of Participation


Mr./Mrs.D.SATTI BABU, ASSOC.PROF

has participated in One Week Faculty Development Programme on "Machine Learning and its Real Time Applications " from 27/08/2018 to 01/09/2018 organized by Department of CSE, Pragati Engineering College (Autonomous) .


Dr. P. Krishna Rao


Dr. M. Radhika Mani

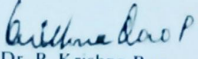

Dr. S. Sambhu Prasad

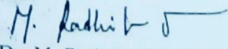

PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)
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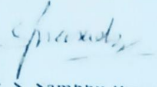
Certificate of Participation

Mr./Mrs.M.V.SANGAMESWAR, PROFESSOR



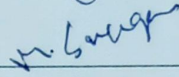

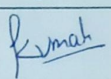
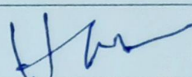
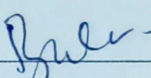

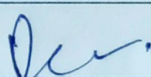
has participated in One Week Faculty Development Programme on "Machine Learning and its Real Time Applications " from 27/08/2018 to 01/09/2018 organized by Department of CSE, Pragati Engineering College (Autonomous) .

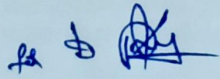

Dr. P. Krishna Rao
Chairman


Dr. M. Radhika Mani
Head of the Department


Dr. S. Sambhu Prasad
Principal

Faculty Attended List

Sl No	Faculty Name	Designation	Signature
1	Mr. D. Sattibabu	Associate Professor	
2	Mr. Radha Mohan Pattanayak	Associate Professor	
3	Mr.V.Sangameswar	Associate Professor	
4	Mrs.Shrija Madhu	Associate Professor	
5	Mr. Y.Kumara Babu	Assistant Professor	
6	Mr.Sk.Saddam Hussain	Assistant Professor	
7	Mr.R.Baladinakar	Assistant Professor	
8	Ms.G.Satya Lakshmi	Assistant Professor	
9	Mr.U.Ravindra Kumar	Assistant Professor	


Head of the Department: Dr. B.Sujatha Professor, Dept. of CSE
Signature with date

Head of the Department
Computer Science & Engineering
Godavari Institute of Engineering & Technology (A)
NH-16, Chaitanya Knowledge City,
RAJAMAHENDRAVARAM. A.P. India, 522 203.

6-33



Godavari Institute of Engineering & Technology (A) DP-71

REPORT ON

Faculty Development Program on Short Term Course on Outcome Based Education and Accreditation

Date: 24-09-2018 to 28-09-2018



**GODAVARI INSTITUTE OF ENGINEERING &
TECHNOLOGY (AUTONOMOUS)**

Chaitanya Knowledge City, NH-16, Rajahmundry 533296, AP



AUTONOMOUS
NAAC 'A+' INSTITUTION

Godavari Institute of Engineering & Technology (A) DP-71

Brief Report of the FDP

The "Faculty Development Program on Short Term Course on Outcome-Based Education and Accreditation." is enlightening program took place from September 24, 2018, to September 28, 2018, and was hosted by the National Institute of Technical Teachers Training and Research (NITTTR) Chennai. We extend our sincere appreciation to the organizers and NITTTR Chennai for their support and encouragement, which made our attendance at this informative course possible.

The course covered a wide range of topics related to Outcome-Based Education and accreditation, ensuring that participants gained a holistic understanding of these vital aspects of education. Key topics included:

- Introduction to Outcome-Based Education (OBE)
- OBE Frameworks and Models
- Designing Learning Outcomes and Competency-Based Curriculum
- Assessment and Evaluation Methods in OBE
- Accreditation Standards and Criteria
- Preparing for the Accreditation Process
- Curriculum Mapping and Alignment with OBE
- Using Technology to Enhance OBE and Assessment
- Continuous Quality Improvement in Education
- Case Studies and Best Practices
- Sessions and Learning:

Throughout the course, participants had the privilege of attending informative sessions, actively engaging in practical exercises, and collaboratively working on projects related to curriculum development and accreditation preparation. These activities deepened our understanding of OBE and accreditation and equipped us with the skills necessary to implement these principles effectively.

I wish to express our sincere gratitude to the organizers and NITTTR Chennai for their unwavering support and encouragement. Their commitment to faculty development and education quality improvement has enriched our professional development.

In conclusion, the "Faculty Development Program on Short Term Course on Outcome-Based Education and Accreditation" was an invaluable experience for all of us. We are thankful for the opportunity to participate and are confident that the knowledge and skills gained during this course will significantly contribute to our professional growth and enhance our ability to promote high-quality education.



AUTONOMOUS
NAAC 'A+' INSTITUTION

Godavari Institute of Engineering & Technology (A) DP-71

Short Term Course Details:

Short Term Course Name: Faculty Development Program on Short Term Course on Outcome Based Education and Accreditation

Dates: 24-09-2018 to 28-09-2018

Hosting Institute: National Institute of Technical Teachers Training and Research(NITTTR Chennai)

Certificates

No. : ICT/2019 – 20/2142

Certificate

Awarded to

D. Phani Kumar

for having successfully completed the
Short Term Training Programme through ICT Mode on

NBA Accreditation

organized by this Institute

from 22.04.2019 to 26.04.2019 [duration: 1 Week]



**NATIONAL INSTITUTE OF
TECHNICAL TEACHERS'
TRAINING AND
RESEARCH, KOLKATA**

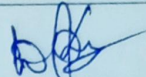
**(Established by the Ministry of Human
Resource Development,
Government of India)**

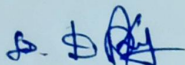
R. Subba Rao
Programme Coordinator(s)

Chinn
Academic Coordinator

T. K. Ramesh
Director

Faculty Attended List

Sl No	Faculty Name	Designation	Signature
1	Mr. D Phani Kumar	Assistant Professor	
2			
3			



Head of the Department: Dr. B. Sujatha Professor, Dept. of CSE
Signature with date

Head of the Department
 Computer Science & Engineering
 Godavari Institute of Engineering & Technology (A)
 16, Chaitanya Knowledge City
 AHENDRAVARAM. A.P. India, 533 296.



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

A Report on

FACULTY DEVELOPMENT PROGRAMME

Organized by

**IDEAL INSTITUTE OF TECHNOLOGY
KAKINADA**

Dates of FDP: 13/08/2018 to 18/08/2018

Report on Faculty Development Program

It brings me great pleasure to present a comprehensive report on the Faculty Development Program (FDP) organized by Ideal Institute of Technology Kakinada, held from the 13th of August 2018 to the 18th of August 2018. The FDP was conducted by the Department of Electronics and Communication Engineering and focused on the topic of "Recent development in Antennas & Application". I had the privilege of attending all six days of this workshop, from beginning to end.

I must say that it was an invigorating experience that rekindled my passion for learning and teaching. The first inaugural session set a positive tone for the entire program, with participants being provided with a conducive environment for interactive learning. Throughout the course, we were fortunate to have three expert resource persons who shared their knowledge in an innovative and inspiring way.

The organizers ensured that all participants were comfortably accommodated and well-fed throughout the duration of the workshop. The food served was not only delicious but also healthy, which is a rare combination in such events.

Overall, I found every session to be informative, engaging, and practical. The FDP not only enriched my understanding of new skills and techniques to enhance my teaching potential. I am grateful for this opportunity and would highly recommend similar programs to my colleagues in academia.

I would like to express my sincerest gratitude to the management and academic administrators for their unwavering encouragement and support. With their backing, we are confident that this undertaking will mark a new epoch in the realm of teaching and learning. We vow to make strides towards a paradigm shift that will revolutionize the way education is imparted and received.



IDEAL INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated To JNTUK, Kakinada)
Vidyut Nagar, Kakinada-533003 (A.P.)

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. /Mr./Ms. VIJENDRA KUMAR DANDAMUDI Assistant Professor, GIET (A) has participated in the five day faculty development program on "Recent Development in Antennas & Applications " organized by Department of Electronics and Communication Engineering from 13/08/2018 to 18/08/2018.

HOD-ECE

CONVENER

PRINCIPAL



IDEAL INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated To JNTUK, Kakinada)
Vidyut Nagar, Kakinada-533003 (A.P.)

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. /Mr./Ms. J N SWAMINATHAN Assistant Professor, GIET(A) has participated in the five day faculty development program on "Recent Development in Antennas & Applications " organized by Department of Electronics and Communication Engineering from 13/08/2018 to 18/08/2018.

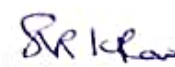
HOD-ECE

CONVENER

PRINCIPAL

Faculty List:

S. No	Faculty Name	Signature of faculty
1	Mr. Sunkara V R Kondalarao	SVRK. Rao
2	Mr. J N Swaminathan	JN. Swaminathan
3	Mr. K Murali Babu	Murali. Babu
4	Mr. Sandip Swarnakar	Swarnakar. S
5	Mrs. M S P Sowndarya Mala	P. Sowndarya mala.
6	Mr. Palacharla Venkatrao	P. Venkatrao
7	Mr. Vamsi Krishna Sabbi	Vamsi Krishna S
8	Mr. Biswa Ranjan Barik	B. Barik
9	Mr. Gollapali Venkata Vinod	G. Vinod
10	Mrs. Muppidi Saritha Devi	M. Saritha Devi
11	Mr. Vijendra Kumar Dandamudi	V. Dandamudi
12	Mr. Chitikenra Rajesh Babu	Ch. Rajesh Babu
13	Mr. N M Ramalingeswararao	NMR. Rao
14	Mr. Chavalam Sri Giri	Ch. Sri giri
15	Mrs. Kalahastri V Lallitha	K. V. Lallitha
16	Mr. Karyabhattu Seeta Rama Raju	S. Rama Raju
17	Mr. Dalai Gowri Sankar Rao	D. G. Sankar Rao
18	Mrs. S Suneetha	S. Suneetha
19	Mrs. Rupalin Nanda	R. Nanda
20	Mrs. Sreevani Vaddi	S. Vaddi
21	Mr. Kollu Simhadri	K. Simhadri
22	Mr. Bokka Venkata Ramana	V. Ramana
23	Mr. Pendyala Sai Sundara Sashank	P. S. Sashank
24	Mrs. G Srujana	G. Srujana
25	Mr. K Jayaraju Kumar	K. Jayaraju Kumar
26	Mr. S Rama Krishna	S. Rama Krishna


 HOD-ECE
 ELECTRONICS
 CDE
 ENGINEERING
 Rajamahendravaram



GODAVARI INSTITUTE OF ENGINEERING & TECHNOLOGY

A Report on
FACULTY DEVELOPMENT PROGRAMME

Organized by
PRAGATI ENGINEERING COLLEGE (A),
SURAMPALEM

Dates of FDP: 08-10-2018 to 12-10-2018

REPORT ON FACULTY DEVELOPMENT PROGRAM

It brings me great pleasure to present a comprehensive report on the Faculty Development Program (FDP) organized by Pragati Engineering College (A), Surampalem, held from the 08th of October 2018 to the 12th of October 2018. The FDP was conducted by the Department of Electronics and Communication Engineering and focused on the topic of **"Professional Development Program on Peer evaluation and Observation"**. I had the privilege of attending all five days of this workshop, from beginning to end.

I must say that it was an invigorating experience that rekindled my passion for learning and teaching. The first inaugural session set a positive tone for the entire program, with participants being provided with a conducive environment for interactive learning. Throughout the course, we were fortunate to have three expert resource persons who shared their knowledge in an innovative and inspiring way.

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PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)



Certificate of Participation

This is to certify that

Dr/Mr./Ms. P. Soundarya Mala has participated in Faculty Development Program on "Professional Development Programmes on Peer Evaluation & Observation" held from 8th October 2018 to 12th October 2018 organized by **PRAGATI ENGINEERING COLLEGE (AUTONOMOUS), Surampalem**

Venkat Rao. P

Head of The Department

D. Bhramachari

Principal



PRAGATI ENGINEERING COLLEGE
(AUTONOMOUS)



Certificate of Participation

This is to certify that

Dr/Mr./Ms. K. V. Lalitha has participated in Faculty Development Program on "Professional Development Programmes on Peer Evaluation & Observation" held from 8th October 2018 to 12th October 2018 organized by **PRAGATI ENGINEERING COLLEGE (AUTONOMOUS), Surampalem**

Venkat Rao. P

Head of The Department

D. Bhramachari

Principal

List of faculty members attended:

S. No	Faculty Name	Signature of faculty
1	Mr. Sabbi Vamshi Krishan	S.V. Krishan
2	Mr. Barik Biswa Ranjan	B. Biswa Ranjan
3	Ms. Palivela Soundarya Mala	P. Soundarya mala
4	Mr. Kondapalli Jayaram Kumar	J. Jayaram Kumar
5	Mr. Mohammed Jai Bunnisa Begum	Bunnisa Begum M.
6	Ms. Kalahastri Lalitha Venkata	K. Lalitha Venkata
7	Me.Ch. Rajesh Babu	Ch. Rajesh Babu

Z. Khan

HOD-ECE

Department of
ELECTRONICS & COMMUNICATION ENGG.
Godavari Institute of Engineering &
Technology (Autonomous)
NH-16, Chaitanya Knowledge City,
Rajamahendravaram-533 296.