

3.3.2.1 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), entrepreneurship and skills development during the last five years

Enclosed event reports of Research Methodology, Intellectual Property Rights (IPR) and skills development

A.Y. 2018-19 (Part-E)



2

**Report
of
One Week Faculty Development Program (FDP)
on
“Latest Trends in VLSI Design and hands-on implementation using Cadence EDA Tools”
June 18-23, 2018**

Objectives of the FDP:

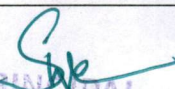
Chip Design in India has grown by leaps and bounds, owing to the presence of several MNCs, design services and product companies. It translates to a plethora of opportunities for those who are trained well in VLSI Design. This FDP is intended for young faculty members working in engineering colleges and research scholars to make them familiar with latest trends in VLSI Design/Technology. In addition to theoretical knowledge, the aim of this FDP is to equip the participants with hands-on experience in the state-of-art Cadence EDA tools. Towards meeting these objectives, Department of Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Cheeryal (V), Keesara (M), Hyderabad has organized a one week FDP during June 18-23, 2018 in technical collaboration with IEEE CAS/EDS Chapter, Hyderabad Section.

Brief Report:

The inauguration of the FDP was done in the august presence of Chief Guest Sri Anil Terkar, Scientist “G”, Head, Indigenous Processor Wing, ANURAG (DRDO), Guest of Honour Sri. A.G. Krishnakanth, Vice Chair, IEEE CAS/EDS, Senior Manager, AMS along with Dr. Udaya Kumar Susarla, Principal, GCET and Prof. B Hari Kumar , Head, Department of ECE along with Mr. S Vasu Krishna, Co-Coordinator of FDP, Associate Professor of ECE and IEEE SB Counselor, GCET. All the participants of the FDP were taken for a one day industrial visit to Gallium Arsenide Enabling Technology Centre (GAETEC), an MMIC Chip Fabrication Unit located in Hyderabad. A total of 28 members got registered in this FDP from various colleges across India, in which three are IEEE members. Certificates were distributed to all participants during valedictory session. Details of the various sessions are listed below.

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.
S.K.R.

S. No.	Resource Persons	Designation	Topic Covered
1	Sri Anil Terkar	Scientist "G", Head, Indigenous Processor Wing, ANURAG (DRDO)	Keynote address on "Latest Trends in VLSI Design"
2	Sri A.G. Krishnakanth	Vice Chair, IEEE CAS/EDS, Sr. Manager, AMS Semiconductor India Pvt. Ltd	Overview of VLSI Design Technology and Design flow for digital and analog IC Design
3	Dr. P. Suryanarayana	Professor, SNIST, Formerly at CSIR-CEERI, Pilani and GAETEC, Hyderabad	Technology Development for MMIC
4	Dr. Sandeep Chaturvedi	Head, MMIC Design, GAETEC	Design and Fabrication of MMICs (One-day Industrial Tour)
5	Dr. B. Lakshmi	Associate Professor, NIT Warangal	System Architecture Design and hands-on sessions using Xilinx Vivado EDA Tool
6	Sri M. Manoj	Scientist "E", RCI (DRDO)	Latest Trends in VLSI Design Flow and Design Verification
7	Mr. M. Rajasekhar	Member Technical Staff, AMD	Physical Design, Timing Driven P&R and Physical Verification
8	Dr.P. Vijaya Sankara Rao	Faculty, CASEST, University of Hyderabad	Current System on Chip Design Challenges for Wireless Communications
9	Ms. K. Sri Subha	Project Manager, Redpine Signals	IC Device Security
10	Dr. Mohammed Arifuddin Soheli	Chair, IEEE CAS/EDS Chapter, Head, Dept. of ECE, MJCET	Report on IEEE CAS/EDS activities done in Hyderabad Section and Moderator, Panel Discussion on Research Opportunities in VLSI Design
11	Sri. G. Venkat Reddy	Scientist "G", Technology Director, RCI (DRDO)	Case Studies on Emerging Applications of VLSI in Avionics/Machine Learning; Panel Discussion on Research Opportunities in VLSI Design
12	Sri Madhav Kumar	Scientist "F", ANURAG (DRDO)	Panel Discussion on Research Opportunities in VLSI Design
13	Sri Ramesh Reddy	Scientist "F", RCI (DRDO)	VLSI IC Design and Fabrication; Panel Discussion on Research Opportunities in VLSI Design
14	Sri O.V.P.R. Siva Kumar	Professor, Dept. of ECE, GCET and Coordinator of FDP	Panel Discussion on Research Opportunities in VLSI Design
15	Sri M. Sharath Kanth	Senior Application Engineer, Entuple Technologies	Design flow using Cadence EDA tools and Lab Sessions
16	Sri M.A. Raheem and team of B.Tech students	Assistant Professor, MJCET	Lab session on Analog IC Design using Cadence Virtuoso


PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day 1-18.06.18:

The inauguration of the FDP was done in the august presence of Sri Anil Terkar, Scientist "G", Head, Indigenous Processor Wing, ANURAG (DRDO), Mr. A.G. Krishnakanth, Vice Chair, IEEE CAS/EDS, Senior Manager, AMS Semiconductor India Pvt. Ltd along with Dr. Udaya Kumar Susarla, Principal, GCET and Prof. B Hari Kumar, Head, Department of ECE along with the Co-Coordinator of FDP Mr. S Vasu Krishna, Associate Professor of ECE and IEEE SB Counselor, GCET.



Key note address by Sri Anil Terkar, Scientist "G" and Head, Indigenous Processor Wing, ANURAG (DRDO).



Geethanjali College of Engg. and Tech.
Cheeryl (V), Keasara (M), Medchal Dist.(T.S.)-501 301.

In the afternoon session, an overview of “VLSI Design Technology and Design flow for digital and analog IC Design” was delivered by Mr. A.G. Krishnakanth, Vice Chair, IEEE CAS/EDS and Sr. Manager, AMS Semi Conductor India Pvt. Ltd.



Last session of the first day was on “Technology Development for MMIC” by Dr. P. Suryanarayana, Professor, SNIST, Formerly at CSIR-CEERI, Pilani and GAETEC, Hyd



PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day 2-19.06.18:

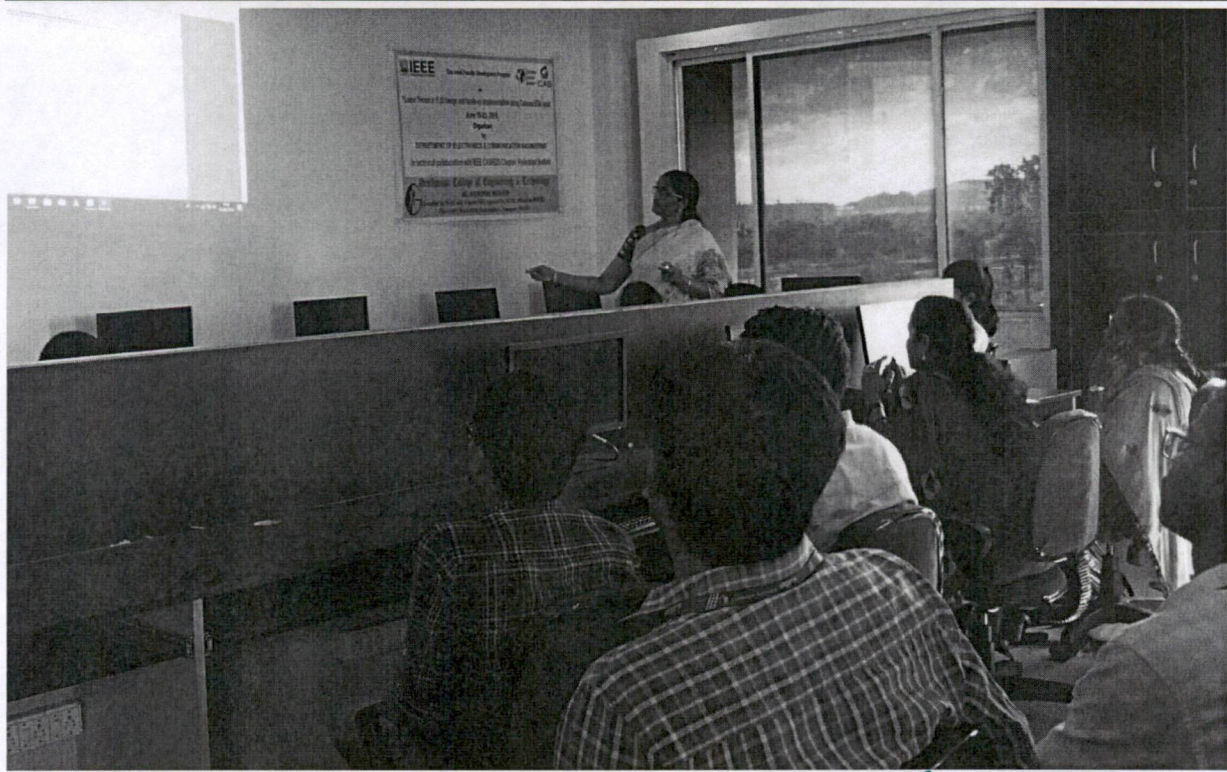
Visit of FDP participants to GAETEC (Gallium Arsenide Enabling Technology Centre), a Chip Fabrication Unit located in Hyderabad



PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day 3-20.06.18:

Dr. B. Lakshmi, Associate Professor, Department of ECE, NIT Warangal delivered a session on "System Architecture Design", followed by Lab sessions on the same topic using Xilinx Vivado 2014.4, assisted by two students of M.Tech (VLSI Design) from NIT Warangal



S. J. S.
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryl (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day 4-21.06.18:

Sri M. Manoj, Scientist "E", RCI(DRDO) took a session on "Latest Trends in VLSI Design Flow and Design Verification"

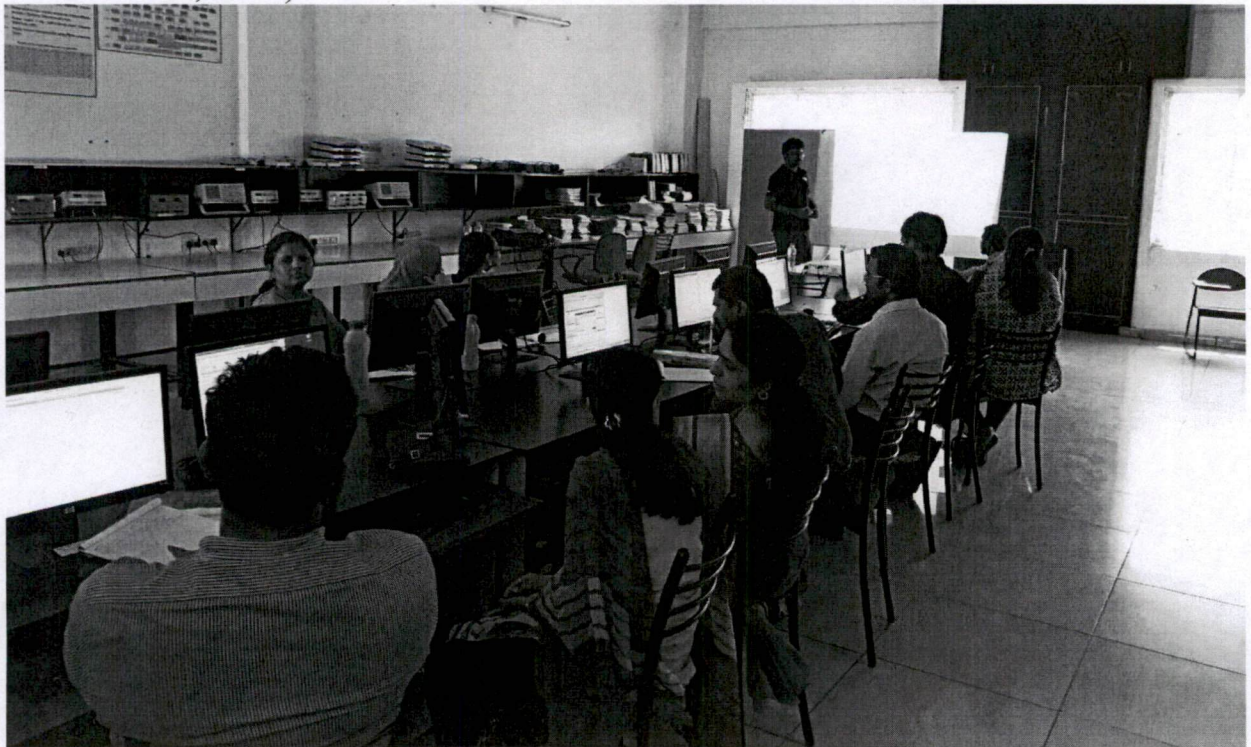


Lab sessions on Cadence Digital Design frontend by Sri M. Sharath Kanth, Entuple Technologies

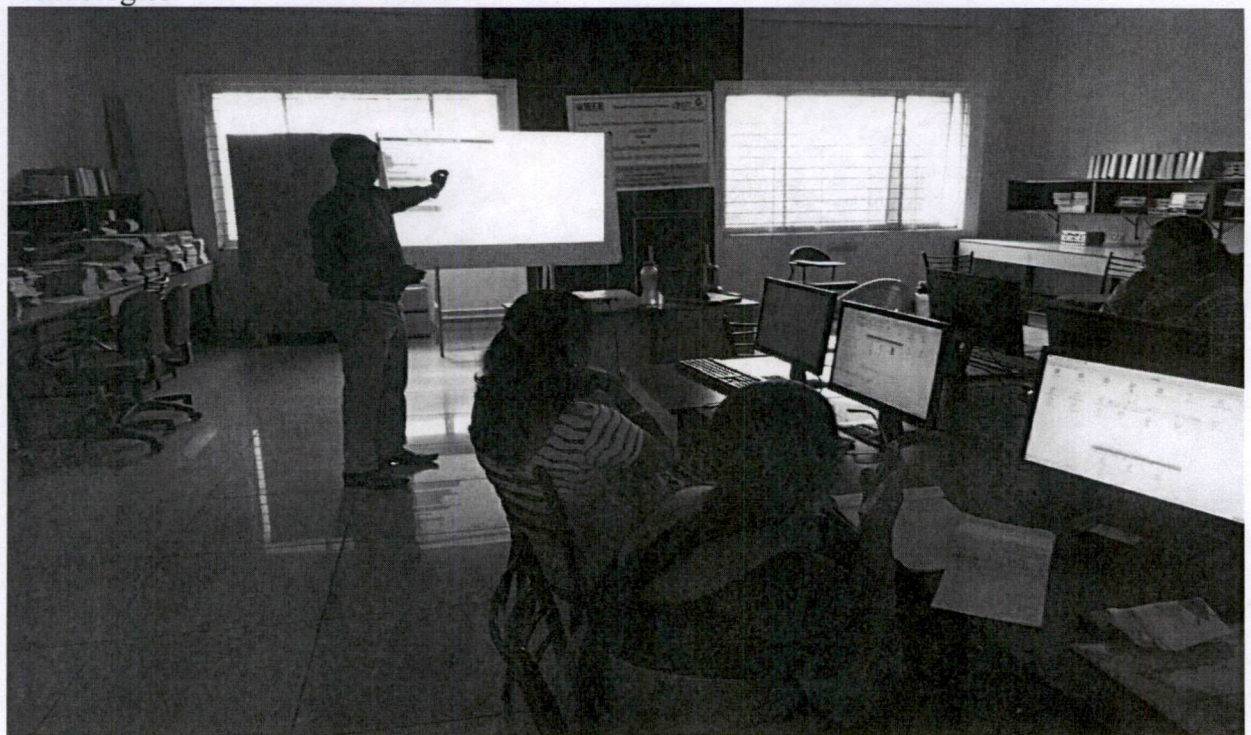


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.)-501 301.

Physical Design, Timing Driven P&R and Physical Verification (Mr. M. Rajasekhar, Member Technical Staff, AMD)



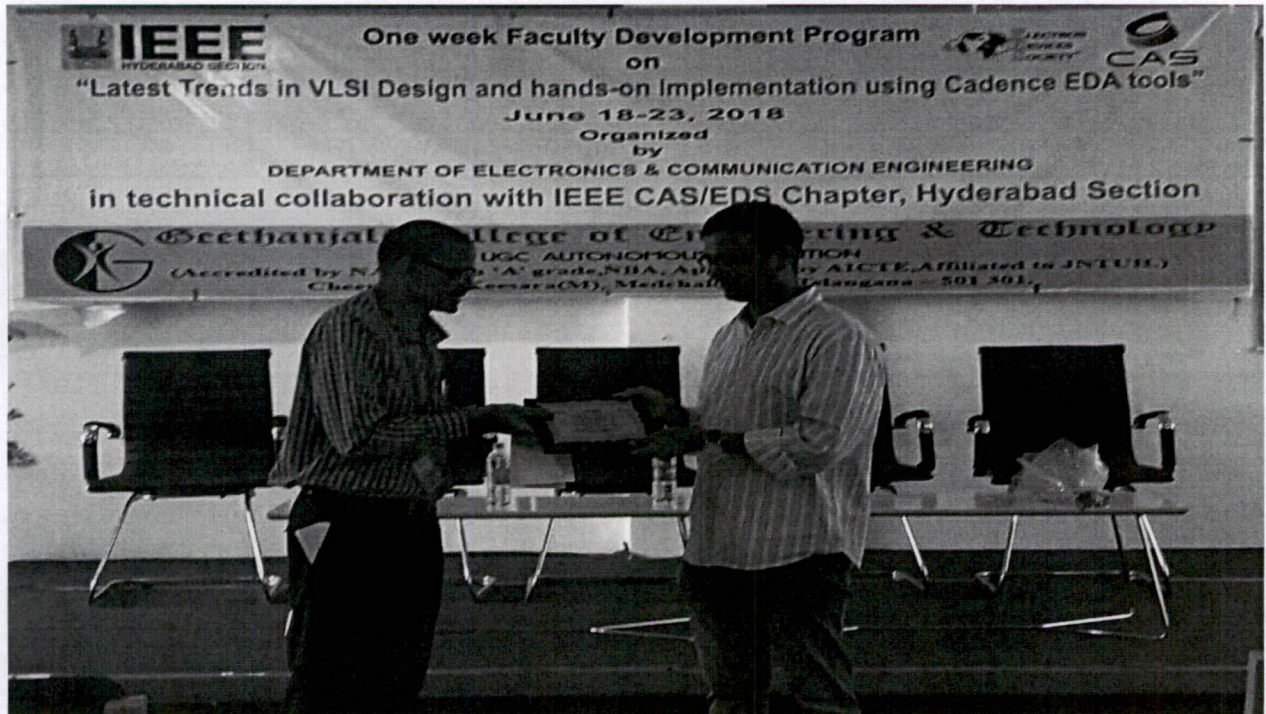
Lab sessions on Cadence Digital Design backend by Sri M. Sharath Kanth, Entuple Technologies



PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day 5-22.06.18:

Current System on Chip Design Challenges for Wireless Communications (Dr.P.Vijaya Sankara Rao, Faculty CASEST, UoH)



Lab session on Analog IC Design using Cadence Virtuoso by Sri M.A. Raheem, Assistant Professor, MJCET and team of B.Tech students



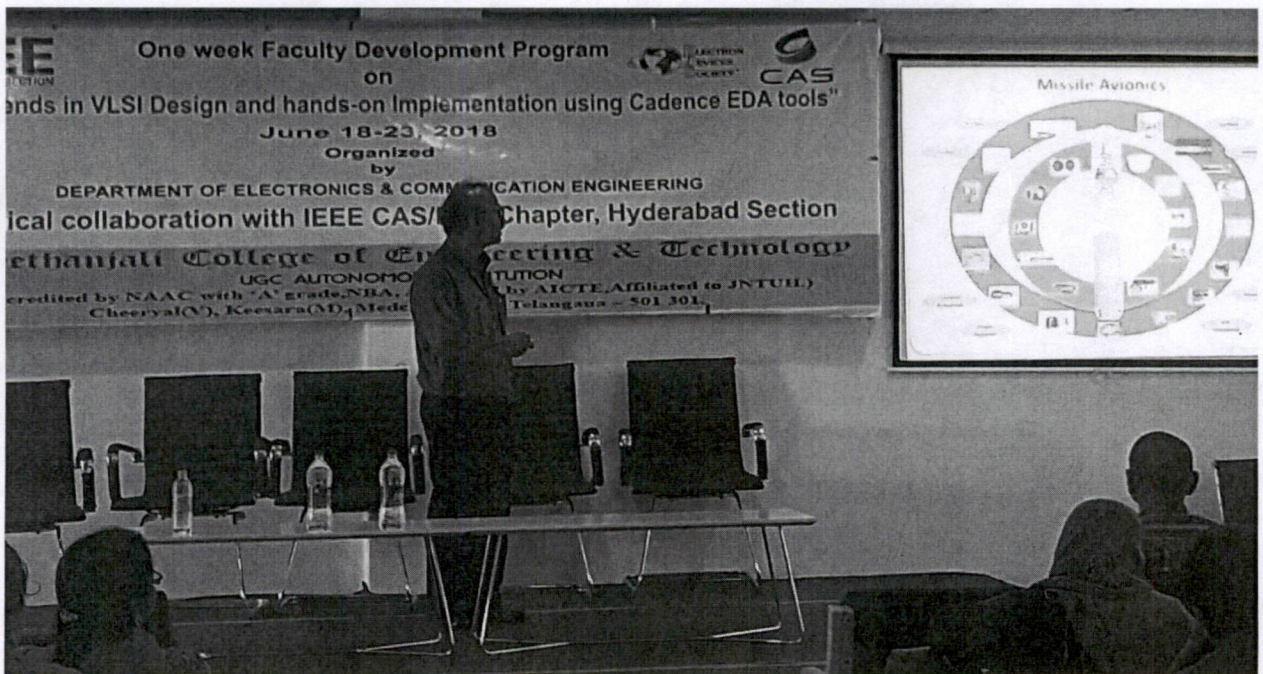
Sri M.A. Raheem
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheerla (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day 6-23.06.18:

IC Device Security by Ms.K. Sri Subha, Project Manager from Redpine Signals



Case Studies on Emerging Applications of VLSI in Avionics/Machine Learning by Sri. G. Venkat Reddy, Tech. Director, RCI(DRDO)



[Handwritten Signature]
PRINCIPAL
Goethanjali College of Engg. and Tech.
Cheeryal (V), Keerasara (M), Medchal Dist.(T.S.)-501 301.

About activities of IEEE CAS/EDS by Dr.Mohammed Arifuddin Sohel, Chair, IEEE CAS/EDS, Hyderabad Section



Panel Discussion on Research Opportunities in Digital/Analog/Mixed-Signal IC Design (Dr. Mohammed Arifuddin Sohel, Chair, IEEE CAS/EDS, Hyderabad Section, Sri. G. Venkat Reddy, Scientist "G" and Technology Director, RCI(DRDO), Sri Madhav Kumar, Scientist "F", ANURAG(DRDO), Sri Ramesh Reddy, Scientist "F" RCI(DRDO) and Prof. O.V.P.R.Siva Kumar, Department of ECE, GCET)



Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

A written exam was conducted on the topics covered during the week, and also feedback was taken from the participants.

Valedictory Session:

(Chief Guest: Sri G. Venkat Reddy, Scientist "G", Technology Director, RCI (DRDO), Guest of Honour: Dr. Mohammed Arifuddin Sohel, Chair, IEEE CAS/EDS, Hyderabad Section, along with Sri Madhav Kumar Scientist "F", ANURAG (DRDO) and Sri Ramesh Reddy, Scientist "F" from RCI (DRDO)). Also present from GCET on the stage are: Prof.O.V.P.R.Siva Kumar, Coordinator, FDP, Dr. C V Narasimhulu and Dr. P Vijai Bhaskar from ECE Department, GCET



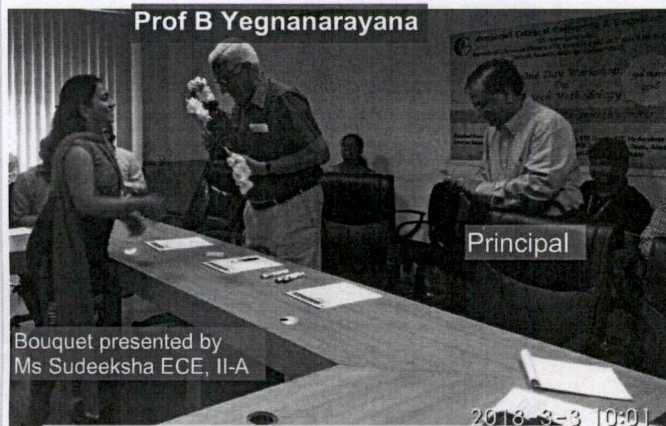
S.P.
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Report: One day Workshop on *Research Methodology*, held in Board Room on March 03, 2018

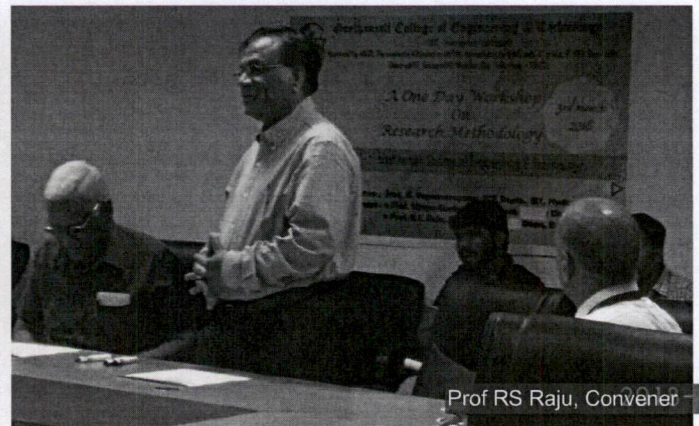
Theme : The expert member stimulates good research environment among the faculty members through deliberations and sharing his experiences.

Objectives: To strengthen research activities at GCET for: (i) pursuing research leading to Ph.D. and (ii) preparing proposals to take up R&D projects.

Contents : • How to select research topic & guide; how to organize the research project/ Ph.D. program
• Research experiences of expert in pursuing Ph.D. and executing research projects.



Prof Yegnanarayana greeted with Bouquet



Principal, GCET introducing Prof Yegnanarayana

Deliberations of External Resource Person: Prof B Yegnanarayana, ECE Deptt., IIIT, Hyderabad:

All the faculty members were invited. Those pursuing Ph.D. were specifically asked to attend the workshop. The expert spoke for 4 hours about his experiences, during his decades of research, which were highly inspiring. Some of his quotes and advice to the audience are as mentioned below:

- Research is a *process* and it is not a *product*. Never be *competitive* in research be *cooperative*.
- Never take your mind "*Good student or a Bad student*". Every student has a potential. How good they are can be seen by moulding them into proper path that enhances their career.
- "*Don't search do research*" as search can take anywhere while research with a thought process can bring results. One should have passion towards research to succeed.
- Understand reward is not a pleasure rather a Deserved Reward is a pleasure. No Nobel prize winner worked for Nobel prize.
- One of the fundamental things is create an environment of research.
- Journey: Idea of research (evolution) in academic institute: what is that we can do to make the research better. Constrain optimization is research (-within the constraints what you can do).
- If you can see a point and think and articulate you can get Ph.D. Don't be carried away by the present trends. Concentrate on the environment you are.
- Start interacting with everybody wherever you go.
- Teaching involves research and research may not involve teaching. For a good researcher you have to be a good teacher.
- Within a group having regular seminars is a good practice as seminars have a great impact.
- Start writing papers (even if they are not accepted) which brings thoroughness in you.
- Feel I am writing these papers/articles for myself (it should be inward rather than outward). When you read your papers you should feel proud of your work.
- Research is not a methodology. It is not structured. The moment we say it is structured it is a course; therefore, it is beyond this.

At the end, Principal deliberated the following and thanked Prof Yegnanarayana for visiting GCET and sharing his valuable experiences and giving advice to the faculty:

- When you write something thought process gets involved.
- One should give wide reading and link it with various topics/course/subjects (irrespective of disciplines)
- We may leave the world, but Math & physics don't. Maths & physics together is entire world. We may do more but at the end we have to give physical explanation/meaning.
- Don't do research for Ph.D. Enjoy every moment when you are writing (just as you enjoy the taste while eating).

Notes:

1. The entire video of 4-hr presentation is available in CD. The participants are awarded with certificates.
2. The venue of presentation by Prof Vijaya Gunturu was shifted to R&D lab as board room was occupied. He deliberated on funding resources available for research. The remaining part he will be covered in the next event.

4

GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING REPORT ON

A ONE WEEK Faculty Development Program – FDP/ Student Development Program – SDP on “Arduino and Raspberry Pi Modules – Hardware and Software”

18th – 23rd June, 2018

Objectives:

Develop ability to

- *Understand the operation of Arduino and Raspberry-Pi boards.*
- *Work in a team.*
- *Develop the modules/ projects which are environment friendly.*
- *Write programs using Arduino IDE Tool and Python*

Department of ECE under Group-IV has organized A ONE WEEK Faculty Development Program – FDP/ Student Development Program – SDP on “Arduino and Raspberry Pi Modules – Hardware and Software” from 18th – 23rd June, 2018 for Faculty of ECE, EEE and CSE Departments and for Final Year students of ECE under IETE Forum.

The main objective of this course is to provide opportunity for the faculty and final year ECE students to enrich their knowledge in depth about the latest Microcontroller Boards ARDUINO and RASPBERRY-PI, both hardware and software. They also get the hands on experience and how to develop the modules. This program also helps the final year ECE students to act as resource persons i.e., as Peer Instructor for the Peer-Learning Program i.e., “ARDUINO Base Project Execution”, and helps them to execute the projects (Mini/ Major) on their own.

The day wise schedule is as listed below:

Day 1:

18/06/2018:

(a) Inauguration of the Event.

(b) Architecture of Arduino board explained by Mrs. K. S. Somasekhara Rao,
Professor of ECE Department and Dean Student Affairs, GCET.

PRINCIPAL
Geethanjali College of Engg. and Tech.
GCTE, Mysore (S.S. 501 301)

(c) How to download and install ARDUINO IDE tool and Programming concepts taught by Mr. Ch. Sandeep, Assistant Professor, ECE Department, GCET.

Day 2:

- 19/06/2018:** (a) Explanation on **Sensors, Actuators and Interfacing Devices for ARDUINO Based Projects** by Mr. K. Somasekhara Rao Professor of ECE Department and Dean Student Affairs, GCET.
- (b) Programming Concepts how to Interface the sensors by Mr. Ch. Sandeep, Assistant Professor, ECE Department, GCET.

Day 3 to Day 5:

20/06/2018 to 22/06/2018: Modules are developed.

Day 6:

- 23/06/2018:** (a) Python Programming is explained by Dr. S Nagendra Kumar, Professor and HoD of CSE Department, GCET.
- (b) Explanation about Raspberry-PI is explained by Mr. A Subramanyam, Assistant Professor, ECE Department, GCET.
- (c) Valedictory of the Event.

For this program 20 Faculty members from ECE, CSE and EEE Department, and 47 Students from Final Year ECE were participated. All have gained the knowledge the in-depth about Arduino and Raspberry-PI. Along with this everyone has seen the working of different types of sensors, actuators and interfacing devices.

List of Faculty Registered:

S.NO	FACULTY NAME	DEPARTMENT	MOBILE NO	E-MAIL ID
1	V KOTESWARI	CSE	9912339790	koteswari.akella@gmail.com
2	S RADHA	CSE	9849166200	radha_cp21@yahoo.com
3	V SAVITHRI PADMAPRIYA	ECE	9440150796	vspadmapriya@gmail.com
4	A R L PADMAJA	ECE	9394787585	padmaja.murthy30@gmail.com
5	V VENKATA LAKSHMI	ECE	9666674947	venkatalakshmi125@gmail.com
6	M LAXMI	ECE	9392422999	laxmireddy.mitta9@gmail.com
7	CH SANDEEP	ECE	8978042911	sandeep.ece414@gmail.com
8	M ANAND	ECE	9441366209	svanand50@gmail.com
9	D SONY	ECE	9700583344	sony_develapally@yahoo.com
10	A SUBRAMANYAM	ECE	9000395815	subramanyamradyula@gmail.com
11	J BHARATHI	ECE	9392307110	bharathi.juvva@gmail.com
12	B SREELATHA	ECE	9989432990	sree.0474@gmail.com
13	G SREEKASHMI	ECE	9866207689	gantisiriphd@gmail.com
14	P CHANDRA PRAKASH REDDY	ECE	9676277826	pcprakashreddy@gmail.com

Geethanjali College of Engg. and Tech
Cheeryal (V), Keesara (M), Medchal Dist. (R.G.)
PRINCIPAL
S. S. S.

S.NO	FACULTY NAME	DEPARTMENT	MOBILE NO	E-MAIL ID
15	M KRISHNA	ECE	8184954663	mothkuri.krishna@gmail.com
16	M UMARANI	ECE	9866178538	umarani.marri@gmail.com
17	M PRASHANTH	EEE	8143333526	masadiprashanth@gmail.com
18	MANJULA KHARE	EEE	9000017241	manjul.m.gupta@gmail.com
19	SOUMI DATTA	EEE	7569012013	soumidatta.89@gmail.com
20	SATHYA V	EEE	8008284346	valupadasu.s@gmail.com

List of Students Registered:


S.NO	STUDENT NAME	ROLL NO	BRANCH	SECTION	MOBILE NO	E-MAIL ID
1	Deekshitha Guduguntla	15R11A0413	ECE - IV	A	7036890920	deekshitaguduguntla123@gmail.com
2	K. Divya Bhanu	15R11A0418	ECE - IV	A	9441100116	divya.bhanu0@gmail.com
3	S. Shiva Kumar	15R11A0452	ECE - IV	A	7337406103	sunkojushivakumar97@gmail.com
4	Nagasravani Tangirala	15R11A0453	ECE - IV	A	8790846385	nagasravani8790@gmail.com
5	A.Praveen	15R11A0461	ECE - IV	B	7036345139	praveenaade15@gmail.com
6	A Sreekar	15R11A0463	ECE - IV	B	8801152747	anumulasreekar@gmail.com
7	D.Srinidhi Reddy	15R11A0471	ECE - IV	B	9618901214	srinidhireddy46@gmail.com
8	G.Archana	15R11A0476	ECE - IV	B	7330884350	archugaddam1997@gmail.com
9	K. Sravanth Kumar	15R11A0484	ECE - IV	B	8465945934	kamunisravanthkumar@gmail.com
10	K.Manoj Sai	15R11A0488	ECE - IV	B	9515347436	kagaantiramp436@gmail.com
11	K. Ganesh	15R11A0489	ECE - IV	B	9177357371	ganeshkolipaka12@gmail.com
12	Kolluri Geethasri	15R11A0490	ECE - IV	B	9063752923	geetha.kolluri@gmail.com
13	Miriyala Saikrupa Reddy	15R11A0494	ECE - IV	B	9100869756	saikrupa224@gmail.com
14	N.Priyanka	15R11A0497	ECE - IV	B	8500328050	priyankaprasan1804@gmail.com
15	Pailla Kalyani	15R11A04A0	ECE - IV	B	9133118284	paillakalyanireddy@gmail.com
16	P.Sarika	15R11A04A3	ECE - IV	B	6309565673	sarikarckz@gmail.com
17	S.Indira Devi	15R11A04A5	ECE - IV	B	9966462189	sitaram.indu@gmail.com
18	Ceelam Navaneetha	16R15A0416	ECE - IV	B	9640487977	ceelamnavaneetha12@gmail.com
19	M. Pavan Kumar	16R15A0418	ECE - IV	B	9553562101	pavankumar13279@gmail.com
20	G. Narasimha	16R15A0419	ECE - IV	B	8341851720	narasimhagodugu06@gmail.com
21	M.Naveen	16R15A0420	ECE - IV	B	8686101747	mnk1438686@gmail.com
22	P. Bala Krishna	16R15A0423	ECE - IV	B	9573376907	balakrishnapallerla05@gmail.com
23	K. Mahesh	15R11A0433	ECE - IV	C	8897600692	maheshkanneboina1234@gmail.com
24	Vemula Naveen Chandra	15R11A0448	ECE - IV	C	7416759628	naveengoud1824@gmail.com
25	A.P. Paavani	15R11A04C2	ECE - IV	C	9676453905	appaavani@gmail.com
26	Badhini Siddhartha Goud	15R11A04C4	ECE - IV	C	9391119899	siddharthagoud@gmail.com
27	B. Nikkitha	15R11A04C7	ECE - IV	C	9133557485	nikkitha1720@gmail.com
28	Chindam Mohana	15R11A04D1	ECE - IV	C	8639629961	chindammohana306@gmail.com
29	Edavelli Sai Krishna	15R11A04D2	ECE - IV	C	9849948342	edavellisaikrishna@gmail.com
30	G. Hari Chandana	15R11A04D5	ECE - IV	C	9949982064	harichandana50@gmail.com
31	N. Manikanta Sai	15R11A04F2	ECE - IV	C	8686128329	manikantasai65@gmail.com
32	Paluri Mahendra Reddy	15R11A04F4	ECE - IV	C	8523009965	mahindrareddy810622@gmail.com
33	Mounika Regu	15R11A04G3	ECE - IV	C	6303451209	mounikaregu0112@gmail.com
34	Bhargavi Shivalingala	15R11A04G7	ECE - IV	C	8639629961	bhargavishivalingala400@gmail.com
35	Soumya Sista	15R11A04J0	ECE - IV	C	9700581835	soumyasistahunts@gmail.com

S.NO	STUDENT NAME	ROLL NO	BRANCH	SECTION	MOBILE NO	E-MAIL ID
36	Annepu Saikiran	16R14A0432	ECE- IV	C	9550922904	saikiranannepu.12345@gmail.co
37	M. Mahesh	16R15A0435	ECE - IV	C	8790439401	maheshmachani7@gmail.com
38	G.Madhukar	15R11A04K5	ECE- IV	D	9515814432	madhukarmadhu2501@gmail.co
39	K. Pavan Kumar	15R11A04L0	ECE - IV	D	8801550473	pavanandkarthik@gmail.com
40	K.V.B. Sai Sreekar	15R11A04L7	ECE - IV	D	9492241610	sreekar1610@gmail.com
41	M.Sai Kumar	15R11A04M3	ECE- IV	D	8125253264	saikumaryadav24@gmail.com
42	Naga Sai Gayathri Veerla	15R11A04M7	ECE- IV	D	9014554417	vnsgayathri@gmail.com
43	N.Gnaneshwari	15R11A04M8	ECE- IV	D	9553460087	gnanu8055@gmail.com
44	Nallanagula. Pranay Teja	15R11A04M9	ECE - IV	D	7330855787	pravinnys@gmail.com
45	P.Sravya	15R11A04N4	ECE- IV	D	7386187672	sravya246pendyala@gmail.com
46	Vangari Prashanth	15R11A04P8	ECE - IV	D	9030075298	vangariprashanth5298@gmail.co
47	Peddigari Harish Kumar	16R15A0440	ECE- IV	D	9000588994	peddigarismail@gmail.com

Feedback was collected from the participants and the analysis report is attached here below:

Feedback from Faculty:

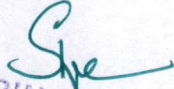
1. The FDP/ SDP was applicable to my area of interest:
 - 75% Strongly Agreed.
 - 8.33% Agreed to large extent, Agree and Strongly Disagree.
2. The program was well paced within the allotted time”
 - 83.33% Strongly Agreed
 - 16.67% Agreed to large extent.
3. The material was presented in an organized manner
 - 91.67% Strongly Agreed
 - 8.33% Agreed to large extent.
4. The instructors were good communicators
 - 91.67% Strongly Agreed
 - 8.33% Agreed to large extent.
5. The instructors were knowledgeable on the topics
 - 91.67% Strongly Agreed
 - 8.33% Agreed to large extent.
6. The FDP/ SDP improved my understanding of the topics
 - 83.33% Strongly Agreed
 - 16.67% Agreed to large extent.
7. I understood the concepts presented in the FDP/ SDP
 - 83.33% Strongly Agreed
 - 16.67% Agreed to large extent.
8. The knowledge and skills I learned will be useful to me in my professional career.
 - 83.33% Strongly Agreed
 - 16.67% Agreed to large extent.
9. I would attend other FDP/ SDP offered by this facilitator in future


PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

- 91.67% Strongly Agreed
 - 8.33% Agreed to large extent.
10. What did you most appreciate/enjoy/think was best about the course?
- ✓ In depth explanation of Arduino Board.
 - ✓ Working with Arduino Boards.
 - ✓ Arduino training program was excellent.
 - ✓ Python basics by Mr. Nagendra Kumar.
 - ✓ Demo and Hands on session.
 - ✓ Team effort.
 - ✓ Basics of Arduino.
 - ✓ Interfacing with sensors.
11. Any suggestions for improvement?
- ✓ Similar to Arduino separate session on Raspberry-Pi is required.
 - ✓ Continue this type of program every year during summer vacation.
 - ✓ Raspberry-Pi.
 - ✓ More time for hands on sessions.

Feedback from Students:

1. The FDP/ SDP was applicable to my area of interest:
 - 53.57% Strongly Agreed.
 - 31.43% Agreed to large extent.
 - 25% Agree.
2. The program was well paced within the allotted time”
 - 53.57% Strongly Agreed.
 - 25% Agreed to large extent.
 - 21.43% Agree.
3. The material was presented in an organized manner
 - 50% Strongly Agreed.
 - 21.43% Agreed to large extent.
 - 28.57% Agree.
4. The instructors were good communicators
 - 50% Strongly Agreed.
 - 32.14% Agreed to large extent.
 - 17.86% Agree.
5. The instructors were knowledgeable on the topics
 - 57.14% Strongly Agreed.
 - 25% Agreed to large extent.
 - 17.86% Agree.


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

6. The FDP/ SDP improved my understanding of the topics
 - 53.57% Strongly Agreed
 - 28.57% Agreed to large extent.
 - 17.86% Agree.
7. I understood the concepts presented in the FDP/ SDP
 - 53.57% Strongly Agreed.
 - 25% Agreed to large extent.
 - 21.43% Agree.
8. The knowledge and skills I learned will be useful to me in my professional career.
 - 57.14% Strongly Agreed.
 - 21.43% Agreed to large extent and Agree.
9. I would attend other FDP/ SDP offered by this facilitator in future
 - 53.57% Strongly Agreed.
 - 21.43% Agreed to large extent.
 - 25% Agree.
10. What did you most appreciate/enjoy/think was best about the course?
 - ✓ Hand on experience was good.
 - ✓ Practical implementation.
 - ✓ The first day class on complete Arduino Uno Pin description by K Somasekhara Rao Sir, and the day given for using communication modules.
 - ✓ Presentation of every module / sensors and helping in doing hands on work.
 - ✓ What we have done in development program we have done practically, that is the best time.
11. Any suggestions for improvement?
 - ✓ Time management.
 - ✓ Need a good size workshop on Raspberry-Pi if possible in near future.
 - ✓ Detailed workshop on other embedded boards.
 - ✓ Increase the sessions for Raspberry-Pi.
 - ✓ We need more and more smart projects and latest projects and try to teach some other program languages also for free.

Outcomes: *The participants were able to:*


PO1: *Apply the Knowledge of engineering fundamentals and an engineering specialization to the engineering problems.*

PO3: *Design solution for engineering problems with consideration for the safety, societal and environmental Team work as the students formed as groups and developed the projects*

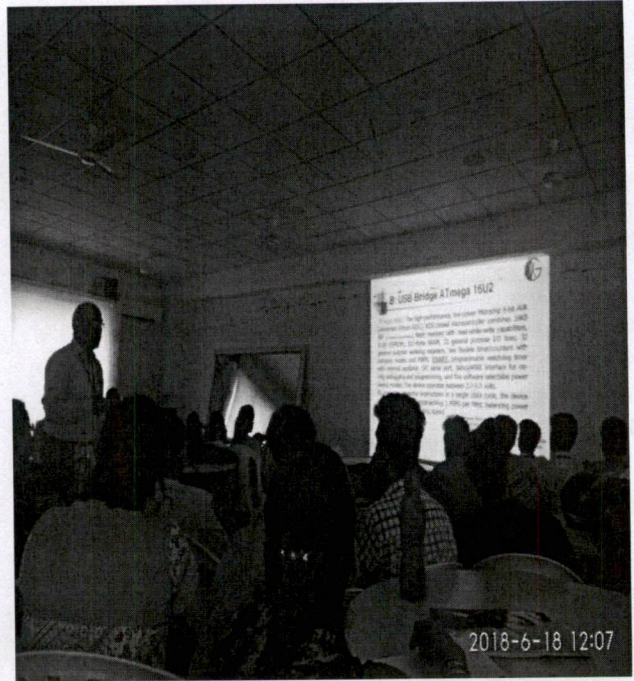
PO4: *Able to use the latest EDA tools (Arduino IDE and Python).*

PO9: *Inculcate and work effectively as an individual and with a team.*

PO12: *recognize the usage of the latest Arduino boards and Raspberry boards as a part of continuous learning.*

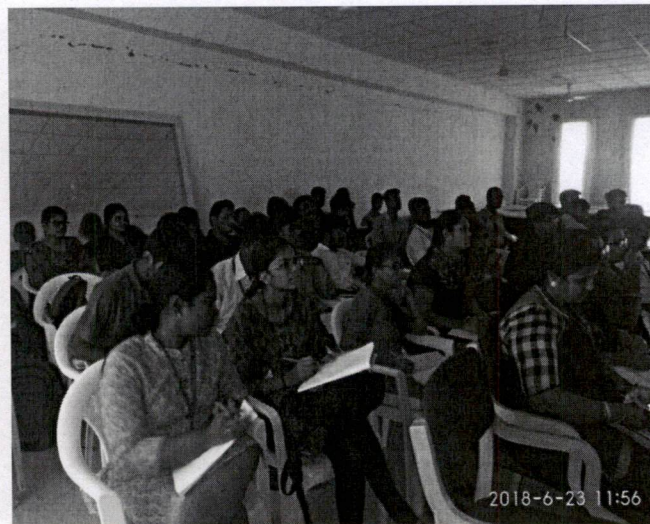

 PRINCIPAL
 Geethanjali College of Engineering & Technology
 Cheeruvu (V), Keerthi Nagar, Medchal Dist.(T.S.)-501 301.

Photos:





Coordinator
Prof. K. Somasekhara Rao



HoD, ECE
Prof. B. Hari Kumar

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301

A
Report Submitted
on
A one week Faculty Development Program
on
“Electromagnetics and its Applications
with Hands-on Sessions using
MATLAB”

26th Nov -1st Dec 2018

By

Dr.R.S.Raju
Professor
Department of ECE



...Striving Towards Perfection

Geethanjali College of Engineering & Technology
(An UGC Autonomous Institution)

Cheeryal (V), Keesara (M), Medchal (Dist), TS – 501301

PRINCIPAL
[Signature]
Geethanjali College of Eng. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

CONTENTS

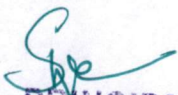
1. Overview of the FDP	3
2. Day-wise brief summary	5
2.1 Inaugural function	5
2.2 Presentations by Resource persons	7
2.3 Valedictory function	15
3. Participants' feedback	17
4. Group photo	18
5. Detailed statement of income and expenditure	19
6. Annexure	20
6.1 Annexure-I: FDP proposal and its approval letter	
6.2 Annexure-II: FDP brochure	
6.3 Annexure III: FDP day wise Schedule	
6.4 Annexure-IV: Program schedule	
6.5 Annexure-V: Question paper	
6.6 Annexure-VI: List of Participants	
6.7 Annexure -VII: Marks and grades obtained by participants	
6.8 Annexure-VIII: Sample participation certificate	

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

1. Overview of the FDP

A one week Faculty Development Programme (FDP) was successfully conducted during 26th Nov -1st Dec, 2018 by Department of ECE. The FDP programme received an overwhelming response with participation of 48 faculty members from various engineering colleges of Telangana and Participants from Industry. 17 participants out of 48 are from reputed organisations like NGIT, MGIT, VBIT etc. This FDP is organised in association with IETE Hyderabad centre. FDP was inaugurated by chief guest Dr.V.M.Pandhari Pande on 26th Nov 2018. This FDP was intended to provide opportunity for young faculty members working in engineering colleges and research scholars to enrich their depth and breadth of knowledge in the area of Electromagnetics. The hands-on sessions are designed to improve their programming skills and provide a thorough exposure to MATLAB usage. Electromagnetics is a fundamental for various undergraduate programs namely ECE, EIE, ECM, ETM and EEE in their 2nd year 1st or 2nd Semesters. These courses are pre-requisites for Antennas and Wave Propagation, Microwave Engineering and Radar Systems. The FDP was planned with 60% of total sessions on theoretical concepts and 40% as hands on experience. One day Industrial visit is planned on 4th day of FDP. At the end session, feedback was taken from the participants.. In addition to 3 internal resource persons, the FDP was graced by four external resource persons namely,

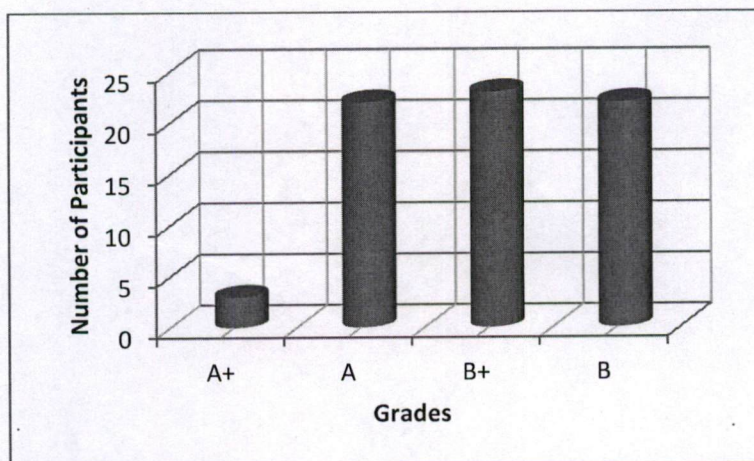
1. Dr.V.M.Pandhari Pande - Osmania University, Hyderabad
2. Dr.P.V.D Somashekhar Rao - GNITS, Hyderabad
3. Dr.B.Sarala - RCF, Hyderabad
4. Dr N.V.S.N.Sharma - Professor of ECE, NITW


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

FDP material (File,note book, blue ball pen and ID card of the FDP) was distributed to all participants at the time of registration. Attendance was taken from the participants on daily basis (FN & AN). At the end of the FDP, a test was conducted to the participants for 10 Marks and the following grades were assigned based on the performance.

Grade	Marks
A+	8 To 10
A	6 To 7
B+	3 To 5
B	0 To 2 or Absent


A Bar chart of the performance in grade wise of the participants in test conducted is shown below.



The FDP was concluded with the speech of valedictory function's chief guest Dr.N.V.S.N Sharma. The general feedback and suggestions of participants on the FDP is also included. A group photo of all participants is placed at the end of this report. The FDP proposal and

Principal
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

its approval letter, FDP brochure, Day-wise schedule of resource persons along with topics, list of participants, question paper, Marks and grades obtained by the participants, sample participation certificate and detailed statement of income & expenditure are enclosed in Annexure-I, Annexure-II, Annexure-III, Annexure-IV, Annexure-V Annexure-VI, Annexure-VII, Annexure-VIII respectively.


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

2. DAY-WISE BRIEF SUMMARY

2.1 Inaugural function

The programme was inaugurated in the morning at seminar hall block -1 on 26th Nov 2018 by Chief Guest Dr.V.M.Pandhari Pande, in the presence of Dr S.Udaya Kumar, Principal, GCET, Prof.B.Hari Kumar, HoD of ECE and Dr R.S.Raju, Coordinator of FDP.



Welcoming Chief guest



Lighting of lamp by the Chief Guest

Dr.V.M.Pandhari pande



Key note address by the Chief Guest

Dr. V M Pandhari Pande.
Padmashri Dr B L Deekshatulu, IDRBT



Addressing the gathering by Dr

S.Udaya Kumar, Principal

She

Principal
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.



**Prof.B.Hari Kumar, HoD(Convenor),
addressing the gathering**



**Dr R.S.Raju, Professor and Coordinator
of FDP ,addressing the gathering**



**Dr S.Udaya Kumar, Principal of
GCET,felicitating the chief guest**



**Prof B.Harikumar, HoD is presenting
the memento to the chief guest**

PRINCIPAL
S. Udaya Kumar
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

3. Feedback from Participants

General:

The feedback of the participants was very positive as given below:

1. Good opportunity to learn from all resource persons of Osmania University, Hyderabad, GNITS, Industry expert from RCI, NITW and GCET.
2. The hands on sessions were planned in such a manner that the participants were given analytical solution of EM problem. And they were able to analyse the program in MATLAB, which was very useful.
3. The contents were well structured, planned and organised and the faculty participants expressed their willingness to handle the courses of “Electromagnetics and Transmission lines” and related subjects.
4. The hospitality viz. transport facility, lunch and snacks were well organised.

On Resource persons:

S.No	Name of the resource person	On scale of 5
1.	Dr.V.M.pandhari Pande	4.2
2.	Dr.Somashekar Rao	4.3
3.	Dr.B.Sarala	4.3
4.	Dr N.V.S.N.Sharma	4.5
5.	Prof B.Hari Kumar	4.2
6.	Dr B.L.Prakash	4.0
7.	Dr.R.S.Raju	4.2

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

4. Group Photo



Geethanjali
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.)-501 301.

5. Detailed statement of income and expenditure

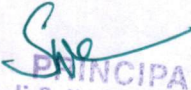
Income:

Outside participants registration fee (17*Rs 1000/-)= RS 17000/-

Expenditure:

1. Honorarium to four External resource persons : = Rs 27635 /-
 2. Tea, snacks and lunch for participants and
Breakfast and lunch for recourse persons = Rs 11365 /-
 3. Miscellaneous Expenditure = Rs 7666 /-
- Total expenditure = **Rs 63,666/-**
- College contribution = Rs 46,666 /-**

Details of statement of income and expenditure are given in Annexure IX


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 307.

6. Annexures

ANNEXURE I

FDP proposal and its approval letter

Date: October 31, 2018

To
The Principal,
Geethanjali College of Engineering and Technology, Cheeryal (v), Keesara (M), Medchal (Dist.).

Subject: Request for approval of Faculty Development Program on "Electromagnetics and its applications with Hands-on Sessions using MATLAB" - Reg. Respected Sir,

It is proposed to conduct a One week Faculty Development Program on "*Electromagnetics and its Applications with Hands-on Session using MATLAB*" from 26-11-2018 to 01-12-2018. The FDP is intended to provide opportunity for young faculty members working in Engineering Colleges and Research Scholars to: (a) enrich their knowledge in the area of Electromagnetics, (b) improve programming skills and (c) provide good exposure on MATLAB usage. This course is a pre-requisite for Antennas and Wave propagation, Microwave Engineering and Radar Systems. It is proposed to invite resource persons from reputed institutions (in addition to in-house resource persons).

The budgeted amount, proposed for conducting FDP, is approximately Rs. 70,000/- (- pl see table below). The registration fees is Rs. 1,000/- per External participant while no fees is charged for internal participants. We are expecting around 50 participants including our faculty. The expenditure to be met from our college would be Rs 40,000/-. I request you to accord approval to the above proposed FDP and provide the financial support.

Thanking you

Yours Sincerely,
RS Raju
(RS Raju)

Professor, ECE and Head, "Fields and Waves" Group.

RS Raju
HoD, ECE

S. Raju
Principal

Approved

Budget Proposal for One Week FDP on *Electromagnetics*, scheduled during 26th Nov to 1st Dec 2018

S.N.	Item	Per Session/Day	Amount
1	Honorarium for Resource Persons: 4	4 Sessions @ Rs.8,000	Rs. 32,000/-
2	Tea and Snacks	10 Sessions @ Rs.20 for 50 members	Rs. 10,000/-
3	Working Lunch	5 days @ Rs. 50 for 50 Members	Rs. 12,500/-
4	FDP material (File, Note Book, Pen, ID Card, CD, Certificates, etc.)	50 Members @ Rs.100	Rs. 5,000/-
5	Banners, Bouquets for Resource persons	For Inauguration and in each Session	Rs. 4,000/-
6	Miscellaneous Expenses		Rs. 6,500/-
Total			Rs. 70,000/-
Reg. Fees from Participants @ Rs. 1,000 Assuming 30			Rs. 30,000/-
Expenditure to be met from College			Rs. 40,000/-

Notes: 1. For Resource Persons transport, college vehicles are to be utilized.
2. Participants from GCET need not be provided lunch and FDP Material.

S. Raju
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

ANNEXURE II

FDP Brochure

About the College

Geethanjali College of Engineering and Technology (GCET) was established in the year 2005 with the sole objective of providing quality technical education affordable to youth of our nation. The college has excellent infrastructural facilities and modern laboratories. It also has competent and dedicated faculty. The college is recognized as an R&D centre by Scientific and Industrial Research Organization (SIRO). The college offers Undergraduate programs in engineering branches, namely, CSE, ECE, EEE, MECH and CIVIL with a total intake of 840 students. Three of its Undergraduate programs, namely, CSE, ECE and EEE have been accredited by NBA in July 2015. The college was conferred "Autonomous" status by UGC with effect from Academic Year 2016-17 for a period of six years. The college was accredited by NAAC with Grade "A" in May 2017. It also received ISO 9000:2008 certification. The College offers postgraduate programs in MBA, M.Tech programs with two specializations in Embedded Systems and VLSI System Design in department of ECE, Power Electronics specialization in department of EEE and Computer Science specialization in department of CSE.

About ECE Department

The Department of Electronics and Communication Engineering (ECE) was started in the year 2005 with an initial intake of 60 students. Right from its inception, it is continuously striving to impart quality education and promoting competitive spirit among students for academic excellence. The intake was enhanced to 240 in the year 2013-14. The department has well equipped laboratories with good infrastructure. A good number of technical papers are published by the faculty in National/International Conferences Proceedings/Journals. The Department has signed MOUs with various organizations to provide real time training to the students in the field of advanced communications, VLSI, Networking and Embedded Systems.

The department was sanctioned a DST project entitled "Design and Development of Multi-wavelength Laser Radar" (LIDAR) with an overall budget of Rs.34.58 Lakh in the AY2010-11 which was successfully completed in AY2014-15. One more project entitled "Investigation of Linear Combinations of GNSS Measurements to Mitigate the Effect of Ionosphere and Multipath" was also sanctioned by DST with a grant of Rs. 21.5 Lakhs and is being carried out. A Consultancy project entitled "Development of High Density Electron Emitter for use in Defense" is in progress for M/s VEM Technologies Pvt. Ltd. from Nov. 2016. The department was sanctioned by DRDO a major research project entitled "Development of novel carbon nano tube/polymer nano composite materials for EMI applications" in April 2018 with an overall budget of Rs.45.81 Lakh.

Aim of the Programme

This FDP is intended for faculty members of engineering colleges and research scholars to enrich their knowledge in the fields of Electromagnetics. It is also envisaged to cover the theoretical and design concepts, technologies involved in these fields. The basics of electromagnetics will be covered for a better understanding of the above areas. A hands-on training will be provided for electromagnetic modelling using MATLAB and the parameters can be measured using antenna measurement setup.

Topics to be covered:

- Introduction to Coordinate Systems, Electrostatics
- Magnetostatics, Maxwells equations for static and time varying fields.
- Principles of wave propagation and different types of propagation.
- Transmission Lines, Stub matching, Smith chart

- EM applications and Opportunities for Research in related areas.

Resource Persons:

Eminent personalities with expertise in related fields from industry and prestigious academic institutions are invited.

Eligibility:

Faculty of technical institutions with Electronics and Communications Engineering departments and Research Scholars.

Registration and Fee Particulars:

Registration Fees: Rs. 1000/-

Participants are requested to register by filling in the registration form and send same to the Coordinator along with the DD in favour of "The Principal, Geethanjali College of Engineering and Technology", payable at Hyderabad. Spot registrations will be entertained subject to the seats left over, if any. Max. No. of participants will be restricted to 50 on a first come first served basis.

Important dates:

Last date for receipt of registration form: 18-11-2018
Confirmation to the participants by: 20-11-2018
Timings: 9:00AM to 3:30PM

One Week (6 days)
Faculty Development Program
ON
"Electromagnetics and Applications"
November 26th - December 1st, 2018
Registration Form

Name:
Designation:
Organization:
Professional Experience:
Address for Communication:
Mobile:
E-mail:

Payment Details:
D.D. No: Date:
Bank: Branch:

Declaration
The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the FDP.
Place:
Date: Signature of the Applicant

SPONSORSHIP
Mr./Ms./Dr., is an employee of our institution and is hereby sponsored for attending the above FDP.
Place:
Date: Signature of the Principal

Note: Registration form along with scanned copy of fees payment may be submitted through E-mail to rsju.ceeri@gmail.com

ORGANIZING COMMITTEE

Chief Patron
Sri. G. Ravinder Reddy
Secretary
Patron
Dr. S. Udaya Kumar
Principal
Convener
Prof. B. Hari Kumar,
HOD-ECE
Coordinator
Dr. R.S. Raju,
Professor, ECE and Dean, R&D
Advisory Committee
Dr. P. Vijai Bhaskar, Professor and Dean, Academics
Prof. K. Somashekara Rao, Dean, Student Affairs
Dr. C.V. Narasimulu, Professor, ECE
Dr. S. Suryanarayana, Professor, ECE
Prof. O.V.P.R. Siva Kumar, ECE
Dr. S. Ramana Murthy, Professor, ECE
Dr. Leela Prakash, Professor, ECE
Dr. V. Sarya Srinivas, ECE, Professor

Organizing Committee
Ms. S. Krishna Priya, Assoc. Professor
Mr. P. Nagaraj Kumar, Asst. Professor
Mr. Ch. Surash Kumar, Asst. Professor
Mr. R.V.N.R. Suresh Krishna, Asst. Professor
Ms. A. Sowjanya, Asst. Professor
Mr. B. Ramu, Asst. Professor

Address for Correspondence:
Coordinator:
Prof. R. S. Raju
FDP on E&A, ECE Department
Geethanjali College of Engineering and Technology
Cheeryl (V), Medchal (Dist.), Telangana - 501301
Mobile: +91 9413723303
Email ID: rsju.ceeri@gmail.com



One Week (6 days)
Faculty Development Program
ON
"Electromagnetics and Applications"
November 26th - December 1st, 2018

*In Association with CAS Chapter
(IEEE-Hyderabad Section)*

*Organized
by
Department
of
Electronics and Communication Engineering*



**GEETHANJALI COLLEGE OF ENGINEERING
& TECHNOLOGY**
(Accredited by NBA and UGC Autonomous)
Cheeryl (V), Keesara (M), Medchal Dist.
PIN 501301, Tel No. : +91 9182058180
Visit us: www.geethanjaliinstitutions.com
E-mail: info@gcet.edu.in

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryl (V), Keesara (M), Medchal Dist. (T.S.)-501 301

ANNEXURE III

FDP Schedule

Day-wise schedule
A one week Faculty Development Program on
"Electromagnetics and its Applications"
26th November – 1st December 2018

Date	9:00 – 10:30		10:45-12:15		12:45-14:15		14:30-15:30
Day-1 26/11/2018	Inauguration & key note address (Pandhari Pande)	Tea Break	Coordinate Systems (Prof. B. Hari Kumar)	Lunch Break	Electrostatics-I (Prof. B. Hari Kumar)	Tea Break	Electrostatics-I (Prof. B. Leela Prakash)
Day-2 27/11/2018	Magnetostatics-I (Dr. R.S. Raju)		Magnetostatics-II (Dr. R.S. Raju)		Lab Session-I		Lab Session-II
Day-3 28/11/2018	Maxwell's Equations (Dr. R.S. Raju)		Wave Propagation-I (Prof. B. Leela Prakash)		Lab Session-III		Lab Session-IV
Day-4 29/11/2018	INDUSTRIAL VISIT		INDUSTRIAL VISIT		INDUSTRIAL VISIT		INDUSTRIAL VISIT
Day-5 30/11/2018	Wave Propagation-II (Prof. B. Leela Prakash)		Wave Propagation-III (Prof. B. Leela Prakash)		Lab Session-V		Lab Session-VI
Day-6 01/12/2018	Transmission lines-I (Prof. B. Hari Kumar)		Transmission lines-II (Prof. B. Hari Kumar)		EM Applications (N.V.S.S. Sharma)		Validatory Function

Dr. R S Raju

Prof. B. Hari Kumar

ANNEXURE IV

Geethanjali College of Engineering and Technology
(Autonomous)
Department of ECE
One-week FDP on
"Electromagnetics and its applications with hands-on session using MATLAB"

Date: 26.11.2018

Program Schedule - Inaugural session

❖ Welcome Address	09:00 AM
❖ Inviting the Dignitaries on to the dais	09:02 AM
❖ Lighting the lamp by Chief Guest and other Dignitaries	09:05 AM
❖ Invocation by Ms. Yagnasree and Ms. Bharathi	09:08 AM
❖ Address by the FDP Coordinator, Dr. R.S. Raju	09:10 AM
❖ Address by the Convenor, Prof. B. Hari Kumar	09:13 AM
❖ Message from the Patron, Dr. S. Udaya Kumar	09:15 AM
❖ Address by the Chief Patron, Sri. G. Ravinder Reddy	09:20 AM
❖ Introduction of the Chief Guest by Ms. A.Sowjanya	09:25 AM
❖ Address by the Chief Guest, Dr. V.M. Pandhari Pande	09:27 AM
❖ Felicitation of the Chief Guest by the Chief Patron and Patron	09:32 AM
❖ Vote of Thanks by Ms. S. Krishna Priya	09:33 AM
❖ Conclusion of Inaugural Session with the National Anthem	09:35 AM
Tea break (for 10min)	
❖ Keynote address by Chief Guest, Dr. V.M. Pandhari Pande	09:45 AM to 10:45 AM

Sive
Geethanjali College of Engg. and Tech.
Sarasara (M), Medchal Dist. (T.S.)-507 301.

ANNEXURE VI

List of Participants

S.No	Name of the	Designation	Organization
1	B.Srija	Assistant Professor	VBIT
2	K.Srikanth	Assistant Professor	BRIG
3	Akash Kumar	-	VEM Technologies
4	D.Rohith	-	VEM Technologies
5	C.Srinivas	Assistant Professor	MGIT
6	Indra Babu	Assistant Professor	SVIT
7	Rajkumar Agarwal	Assistant Professor	SVIT
8	S.Vijaya laxmi	Assistant Professor	-
9	V.Praveena	Assistant Professor	NGIT
10	M.Zaheer Ahmed	Assistant Professor	MVSR
11	R.Narender	Assistant Professor	TKRCET
12	M.Bajibabu	Assistant Professor	VBIT
13	Y.Prakash	Assistant Professor	GNITS
14	Ch.Prathyusha	Assistant Professor	TKRCET
15	R.Kiran Chand	Assistant Professor	JJET
16	T.Anitha	Assistant Professor	MIETW
17	V.Anitha	Assistant Professor	GNITS
18	Dr.G.Neeraja Rani	HoD,S&H	GCET
19	J.Mrudula	Associate Professor	GCET
20	Ch.Pallavi	JRF	GCET
21	S.Jyothirmayee	Associate Professor	GCET
22	D.Sony	Assistant Professor	GCET
23	P.Chandra Prakash	Assistant Professor	GCET
24	M.Anand	Assistant Professor	GCET
25	M.Krishna	Assistant Professor	GCET
26	U.Appalaraju	Associate Professor	GCET
27	R.V.N.R.Suneel	Assistant Professor	GCET
28	P.Naresh Kumar	Assistant Professor	GCET
29	Ch.Suresh Kumar	Assistant Professor	GCET
30	M.Sowjanya	Associate professor	GCET
31	V.Sirisha	Assistant Professor	GCET

PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (M), Keesara (H), Medchal Dist. (T.S.)-501 301.

32	A.R.L.Padmaja	Assistant Professor	GCET
33	B.Sreelatha	Associate Professor	GCET
34	B.Juagal Kishore	Assistant Professor	GCET
35	B.Ramu	Assistant Professor	GCET
36	M.Laxmi	Associate Professor	GCET
37	J.Bharathi	Assistant Professor	GCET
38	V.Venkata laxmi	Assistant Professor	GCET
39	S.Krishna Priya	Associate Professor	GCET
40	B.Mamatha	Assistant Professor	GCET
41	A.Sowjanya	Assistant Professor	GCET
42	S.Vasu Krishna	Associate Professor	GCET
43	S.yagnasree	Assistant Professor	GCET
44	B.Suneetha	Assistant Professor	GCET
45	M.Umarani	Assistant Professor	GCET
46	Y.Siva rama Krishna	Assistant Professor	GCET
47	Y.Nagalaxmi	Assistant Professor	GCET
48	L.kavya	Assistant Professor	GCET

PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

ANNEXURE VII

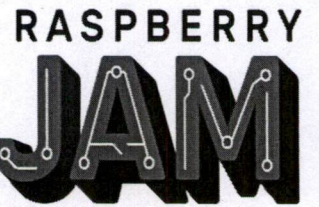
S.N o	Name of the Participant	Designation	College	Test Marks (Max:10)	Grade
1	B.Srija	Assistant Professor	VBIT	8	A+
2	K.Srikanth	Assistant Professor	BRIG	8	A+
3	Akash Kumar	-	VEM Technologies	7	A
4	D.Rohith	-	VEM Technologies	7	A
5	C.Srinivas	Assistant Professor	MGIT	8	A+
6	Indra Babu	Assistant Professor	SVIT	7	A+
7	Rajkumar Agarwal	Assistant Professor	SVIT	6	A
8	S.Vijaya laxmi	Assistant Professor	-	7	A
9	V.Praveena	Assistant Professor	NGIT	7	A
10	M.Zaheer Ahmed	Assistant Professor	MVSR	8	A+
11	R.Narender	Assistant Professor	TKRCET	8	A+
12	M.Bajibabu	Assistant Professor	VBIT	7	A
13	Y.Prakash	Assistant Professor	GNITS	6	A
14	Ch.Prathyusha	Assistant Professor	TKRCET	7	A
15	R.Kiran Chand	Assistant Professor	JIET	6	A
16	T.Anitha	Assistant Professor	MIETW	6	A

17	V.Anitha	Assistant Professor	GNITS	7	A
18	Dr.G.Neeraja Rani	HoD,S&H	GCET	-	
19	J.Mrudula	Associate Professor	GCET	8	A+
20	Ch.Pallavi	JRF	GCET	7	A
21	S.Jyothirmayee	Associate Professor	GCET	7	A
22	D.Sony	Assistant Professor	GCET	7	A
23	P.Chandra Prakash	Assistant Professor	GCET	6	A
24	M.Anand	Assistant Professor	GCET	6	A
25	M.Krishna	Assistant Professor	GCET	6	A
26	U.Appalaraju	Associate Professor	GCET	7	A
27	R.V.N.R.Suneel Krishna	Assistant Professor	GCET	8	A+
28	P.Naresh Kumar	Assistant Professor	GCET	8	A+
29	Ch.Suresh Kumar	Assistant Professor	GCET	8	A+
30	M.Sowjanya	Associate professor	GCET	7	A
31	V.Sirisha	Assistant Professor	GCET	6	A
32	A.R.L.Padmaja	Assistant Professor	GCET	6	A
33	B.Sreelatha	Associate Professor	GCET	7	A
34	B.Juagal Kishore	Assistant Professor	GCET	8	A+
35	B.Ramu	Assistant Professor	GCET	8	A+
36	M.Laxmi	Associate Professor	GCET	7	A

ORGANIZED BY



Striving towards perfection...



A

Report Submitted

On

GCET HYDERABAD RASPBERRY Pi JAM

A Two Days Training Program

On

“Raspberry Pi”

On 2nd – 3rd Mar, 2019

By

Mr.A. Subramanyam

Department of ECE



...Striving Towards Perfection

Geethanjali College of Engineering & Technology

Cheeryal (V), Keesara (M), R.R (Dist), A.P. – 501301

CONTENTS

	Page No
1. Overview of the event	3
2. List of Participants	4-6
2.1 Internal Faculty Trainers	
2.2 Internal Student Trainers	
2.3 Internal Student Participants	
2.4 External Student Participants	
2.5 Internal Student Project Presentations	
3. Day-wise brief summary	7
3.1 Inaugural function	7
3.2 Presentations by Resource Persons	8-9
3.3 Projects presentation by students	10
3.4 Certificates presented to External Participants	11
4. Participants' Feedback	17
5. Group Photos	18
6. Detailed Statement of Income and Expenditure	19
7. Annexure	20
7.1 Annexure-I: FDP proposal and its approval letter	
7.2 Annexure-II: FDP brochure	
7.3 Annexure III: FDP day wise Schedule	
7.4 Annexure-IV: Program schedule	
7.5 Annexure-V: Question paper	
7.6 Annexure-VI: List of Participants	

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

7.7 Annexure -VII: Marks and grades obtained by participants

Annexure-VIII: Sample participation certificate

1. Overview of the event

This is our first Raspberry JAM event being conducted in Geethanjali College of Engineering and Technology (GCET), Cheeryal, Keesara, Hyderabad, India in association with Raspberry Pi Foundation, U.K as a peer-to-peer learning program. We are holding a two-day workshop on 2nd and 3rd of March, 2019 for students of our college and other engineering colleges to educate them with hands-on experience using Raspberry Pi boards for digital making.

This weekend is also known as **Raspberry Pi 7th Birthday**.

We plan to expose them to coding and digital making activities and then students will have a fun experience of embedded boards. To succeed this workshop, we trained 27 selected internal students for 36 hours (2 ½ hours per day from 3.30 P.M to 6.00 P.M) from 14th Feb- 1st March 2019 on usage of Raspberry Pi.

The workshop received an overwhelming response with online registration with the support from www.eventbrite.com. This workshop was intended to provide opportunity for students to get familiarized and get hands-on experience on Raspberry Pi boards. The hands-on sessions are designed to improve their programming skills and provide a thorough exposure to usage of Raspberry Pi boards. At the end of the training, students targeted to design one project on Raspberry Pi.

The FDP was concluded with the speech of valedictory function's chief guests Prof. OVPR Siva kumar and Dr Satya Srinivas. The general feedback and suggestions of participants on the workshop is also included. A group photo of all participants is placed at the end of this report. The FDP proposal and its approval letter, workshop brochure, Day-wise schedule of resource person along with topics, list of participants, sample participation certificates and detailed statement of income & expenditure are enclosed in Annexures-I to VIII, respectively.

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

2.1 List of Internal Faculty Trainers (IFT)

S.No	Name	Email
1	Mr. P.Chandra Prakash	pcprakashreddy@gmail.com
2	Mr. M.Anand	svanand50@gmail.com
3	Mr. Ch.Sandeep	sandeep.ece414@gmail.com
4	Mrs J.Bharathi	bharathijuvva@gmail.com

2.2 List of Internal Student Trainers (IST)

S.No	First Name	Last Name	Email	Gender	Roll Number	Branch & Year	Mobile
1	Akhila	V	veerabommalaakhila@gmail.com	F	16R11A04J2	ECE-3D	8096915970
2	Mounika	Ch	chakkamounika10@gmail.com	F	16R11A04F3	ECE-3D	9491715515
3	Darshani	P	darshaniparalikar25@gmail.com	F	16R11A04K0	ECE-3D	9849904430
4	Revanth Reddy	S	revanthunny.reddys@gmail.com	M	16R11A04H7	ECE-3D	9154580713
5	Sai Bhavani	B	saibhavani14@gmail.com	F	166M1A0430	ECE-3D	9394649461
6	Mahendra	Reddy	mahindrareddy810622@gmail.com	M			
7	Naveen	V	vemulanaveen98@gmail.com	M	15R11A04H8	ECE-4C	7416759628
8	Siddhartha	Goud	siddharthagoud011@gmail.com	M			
9	Sharmila		sharmila.vanakuri@gmail.com	F	15R11A04H2	ECE-4C	9515714881
10	Eswar Hemanth	M	eswar.hemanth143@gmail.com	M	16R11A0427	ECE-3A	8099128812
11	Varun Reddy	K	varunreddy280@gmail.com	M	16R11A04G5	ECE-3D	9959322169
12	Kaushik	A	kaushik.adusumilli9@gmail.com	M			
13	Pedda Nagaiah	Erra	nagaiaherra66@gmail.com	M			
14	Shravan	L	shravansantosh44@gmail.com	M			
15	Badhrinath		Badhrinath582@gmail.com	M			
16	Rahul	A	rahul.1998@live.com	M			
17	Prasad	K	prasadkodavatikanti2307@gmail.com	M			
18	Praneet	Kumar Jain	praneetkumar45@gmail.com	M	16R11A04N8	ECE-3E	8125136150
19	Shanmuka Vamshi	B	shanmukavamshi19@gmail.com	M	16R11A04A5	ECE-3C	7799349084
20	Sree Sai Prasanna	J	sai1997pj@gmail.com	F	16R11A0417	ECE 3	7382006824
21	Greeshma	K	greeshmakalsham@gmail.com	F	16R11A0420	Ece 3A	9177598855
22	Vaishnavi	D	dommatavaishnavi@gmail.com	F	16R11A0413	ECE 3	9951374491
23	Sanketh Raj	K	Kadukuntlasankethraj56@gmail.com	M			
24	Vamshi Krishna	Pathi	vamshikrishna10498@yahoo.in				
25	Divya Sai Sathwik	Billa	saisathwik213@gmail.com	M	17R11A04A0	ECE-2C	7995578455
26	Sai Teja Sree	M	gopiah1977@gmail.com	F	17R11A04C2	ECE-2C	9515130480
27	Anil Kumar	P	anilkumarpotuganti@gmail.com		16R11A0429	ECE-3A	9542567307

2.3 List of Internal Student Participants (ISP)

28	Rashmi	Gandra	rashmireddy019@gmail.com	M	17R11A0498	ECE-2	8712733987
29	Sai Teja	B	sai123tej@gmail.com	M	17R11A04C7	ECE 2	9701015232
30	Prithvi	MN	prithvimn17@gmail.com	M	17R11A04A2	ECE-2	8897583604
31	Srikar Chandra	Ch	srikarchamarthi@gmail.com	M	17R11A04A4	ECE-2	9704028711
32	Anish	Ch	anishmay15@gmail.com	F	17R11A04D8	ECE-2C	9533134432
33	Shamita	N	shamitanaidu9@gmail.com	M	16R11A0434	ECE 3	8143651998
34	Sumanth	Pal	sumanth.pal000@gmail.com	M	17R11A0407	ECE-2A	8142390025
35	Vishal	Bi	bandarivishalreddy@gmail.com	M	16R11A04D6	ECE 3C	6303058279
36	Gundla	Suraj	gundlasuraj@gmail.com	M	17R11A0421	ECE-2A	9381846634
37	Lakshmi	Kanth	paraskumar45@gmail.com	M	16R11A04L4	ECE -3E	7989659894
38	Divya Rani	B	divyarani2806@gmail.com	F	16R11A04E9	ECE 3	9581212088
39	Anjali	Nara	anjalinara98@gmail.com	F	16R11A0444	ECE 3	8186039468
40	Vishal	B	vishalbangari99@gmail.com	M	16R11A0403	Ece-3A	9515749100
41	Sai pooja	G	gadisaipooja555@gmail.com	F	16U51A0476	Ece-3A	8341922907

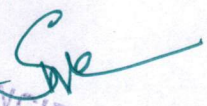
2.4 List of External Student Participants (ESP)

42	VIDYASAGAR	SEC	secvidyasagar@gmail.com	Kakatiya University	CSE 3rd Year	9640748096
43	Sushmitha	Deekonda	sushmithadeekonda99@gmail.com	HMITS	CSE 3rd Year	8790859478
44	Shilpa	Chennareddy	chennareddy.shilpa@gmail.com	HMITS	Ece	8686667751
45	P sri Nikhil	Sri	panamgipallinic@gmail.com	NMREC, Hyd	ECE & 1st year	8317541384
46	Vijay Raj	G V	vijayrajme7@gmail.com	GNIT,Hyd	C.S.E, 2018-2022	9951293798
47	Vineeth	Sai	vineethsai4444@gmail.com	GNIT,Hyd	ECE & 1st year	6303181523
48	Sai Kumar	Chamakuri	chsaikumarcsk312@gmail.com	GNIT,Hyd	ECE,2nd year	9542521961
49	Vadlakonda	Sai Kumar	kumarvsai1810@gmail.com	Vardhaman College of engineering,shamshabad.		9701186502
50	Santosh	Chandan	santoshchandan13@gmail.com	Wiztoonz	Ece 3rd year	8096353605

PRINCIPAL
 Geethanjali College of Engineering & Technology
 (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

				Academy		
51	Nandini reddy	Vangeti	nandinireddyvangeti90@gmail.com	VBIT GHATKESAR	ECE,3rd year	7013202464
52	Madhuri reddy	Vadlakonda	madhurireddyv90@gmail.com		Ece-c,3rd year	7382932595
53	Sriveni	Vanga	srivenivanga29@gmail.com		ECE 3RD YEAR	9676968636
54	Sai Sujala	Prathapani	sujalaprathapani@gmail.com		cse 3rd year	9652691956
55	Salman	ansari	salmanansari.sha@gmail.com	Deccan college of engineering and technology, Hyderabad	Computer science engineering (cse) branch, 3rd year.	7995709757
56	Osman	Ahmed	mdosmanahmed123@gmail.com		ECE 2	8977606506
57	Sai Charan	Lanka	lankasaicharan123@gmail.com	Vardhaman College of Engineering , Shamshabad	CSE BRANCH,3RD YEAR	7981622523
58	Adil	Hashmi	iamadilhashmi@gmail.com	Deccan college of engineering and technology, Hyderabad	ece, 3rd year	9441247404
59	sajid	Hussain	ssajid121@gmail.com		ece, 3rd year	

2.5 Internal Student Project Presentations:


PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist (T.S.)-501 502

Rohit	B	rohitbhrugu@gmail.com	Male	17R11A05K3	Cse 2	8309744656
Sanketh raj	K	Kadukuntlasankethraj56@gmail.com	Male	17R11A0162	CIVIL 2	8328453266
Yeshawanth	M	madhavaramyeshawanth9@gmail.com	Male	16R11A04M9	ECE 3E	9502110218
Lokesh	Chandra	klokeshchandra31@gmail.com	Male	17R11A04C0	ECE,2	7013250870
Subramanyan	Ambika	ambikasubu08@gmail.com	Female	17R11A04D7	ECE,2	9160344538
Archana	G	gatlaarchana00@gmail.com	Female	17R11A04B1	ECE-2	7013917664
Pranay Teja	N	pravinnys@gmail.com	Male	15R11A04M9	ECE - 4	7330855787
Prashanth	V	vangariprashanth5298@gmail.com	Male	15R11A04P8	ECE - 4	9030075298

3. Day-wise brief summary

3.1 Inaugural function

The programme was inaugurated in the morning at E-Class-4, Block -1 on 2nd Mar 2019 by Chief Guest Prof. B. Hari Kumar, HoD of ECE, Professors of ECE and Mr A Subramanyam, Coordinator of Workshop.




Prof. B. Hari Kumar, HoD of ECE



Department of ECE faculty attended during inaugural function

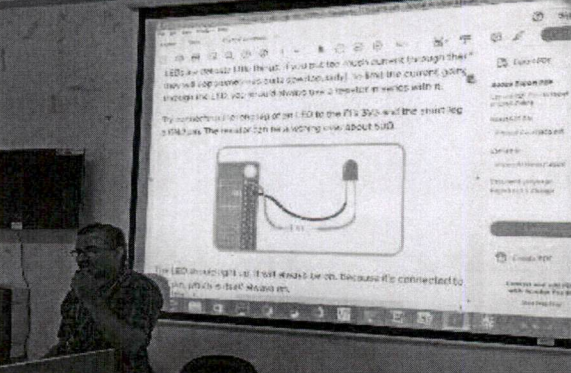
Srk
PRINCIPAL
Geethanjali College of Engg. and Tech.
Baram (M), Medchal Dist.(T.S.)-501 301.

3.2 Presentations by a resource person Mr. A Subramanyam

	Day	1
	Date	02/03/2019
	Time	10:00-12:30
	Title	Introduction to embedded systems, different types of embedded boards, introduction to Raspberry Pi and flashing OS on to the Raspberry Pi.

Summary of the Lecture

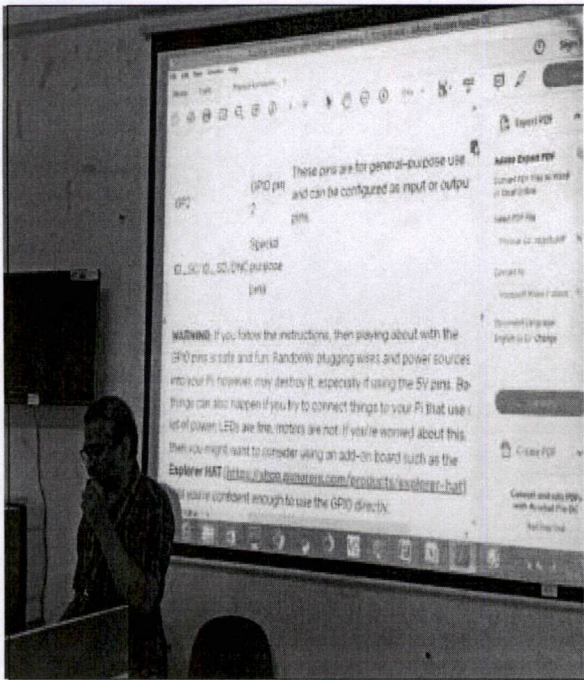
In this session, Mr. A. Subramanyam, has delivered an introduction to embedded systems, different boards available in market such as Arduino, Raspberry Pi, Beagle Bone, Orange Pi and Banana Boards etc., He explained how raspberry pi board works as a PC, different raspberry pi boards and their features and finally how to flash OS on to the Raspberry Pi.

	Day	1
	Date	02/03/2019
	Time	13:00-15:30
	Title	How to interface different sensors to Raspberry Pi GPIO pins and also introduction to python.

Summary of the Lecture

In this session, Mr. A. Subramanyam, has given hands-on session on interfacing LED'S, buzzer, LDR, PIR, Ultrasonic sensor to Raspberry Pi GPIO pins and run the code using Python language.

PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.



Day	2
Date	03/03/2019
Time	09:30-1300
Title	1) Remotely controlling Raspberry Pi from different ways E.g., VNC Viewer 2) Hosting a website on Raspberry Pi (E.g. Apache)

Summary of the Lecture

In this session, Mr. A. Subramanyam, has delivered hands-on session on remotely controlling sensors (E.g: LEDs, PIR, Ultrasonic sensors) connected to GPIO pins of Raspberry Pi through a smart phone by using VNC viewer and continued by giving introduction on building and hosting a simple website on the device and make it accessible online. There is a need to install server (eg: Apache) and thereby host the website.



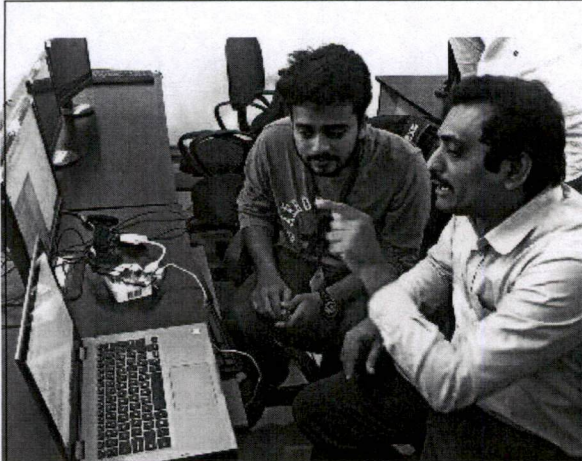
Day	2
Date	02/03/2019
Time	13:30-14:30
Title	Interfacing servo and DC motor to Raspberry Pi GPIO pins and also building a simple robot to control left, right, forward and reverse directions.

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (RD), Medchal Dist.(T.S.)-501 301.

Summary of the Lecture

In this session, Mr. A. Subramanyam, has given hands-on session on interfacing servo motor to Raspberry Pi. The different ways of codes writing to control a 5 volts DC motor through a L293D motor driver. Finally, how to build a simple robot and control it remotely.

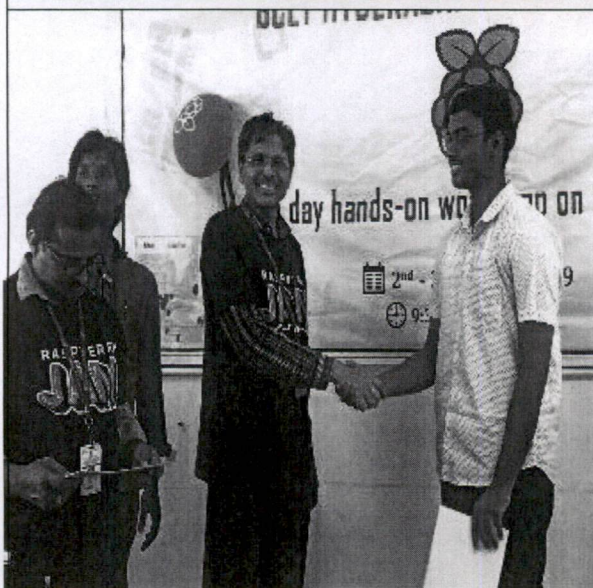
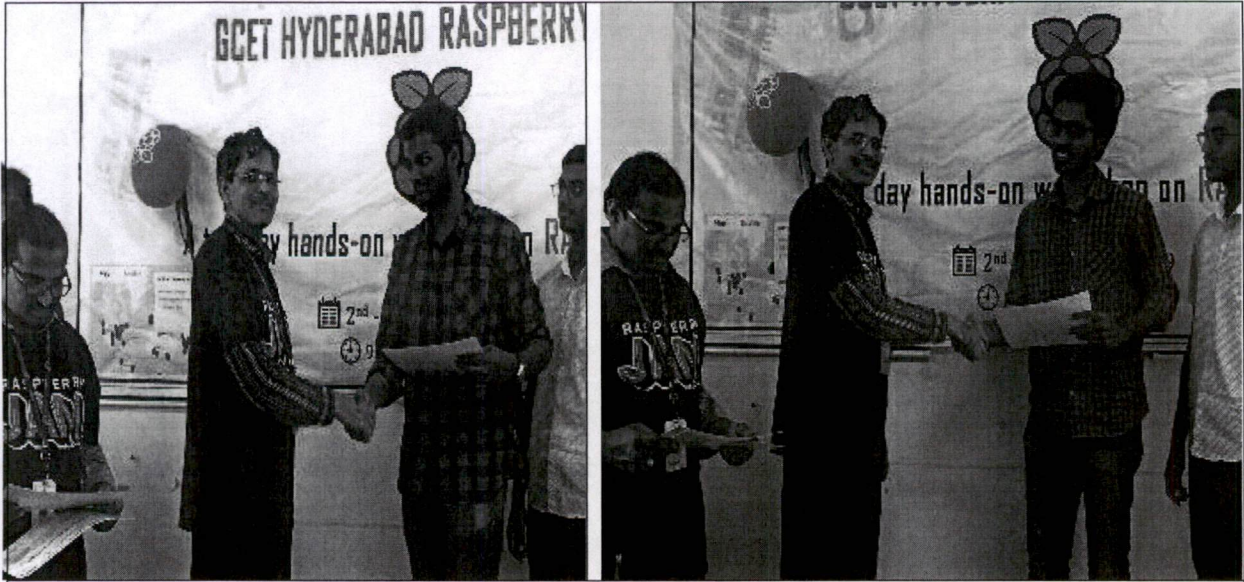
3.3 Projects presentation by students



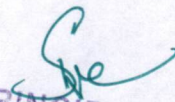
Day	2
Date	03/03/2019
Time	14:30-15:00
Title	Projects presentation by students
Name of the Chief Guest	Dr. Satya Srinivas Associate Professor Department of ECE, Geethanjali College of Engineering and Technology, Hyderabad


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

3.4 Certificates presented to External Participants



Day	2
Date	03/03/2019
Time	15:00-15:30
Title	Certificates presented to External Participants
Name of the Chief Guest	Prof. OVPR Siva kumar Department of ECE, Geethanjali College of Engineering and Technology, Hyderabad

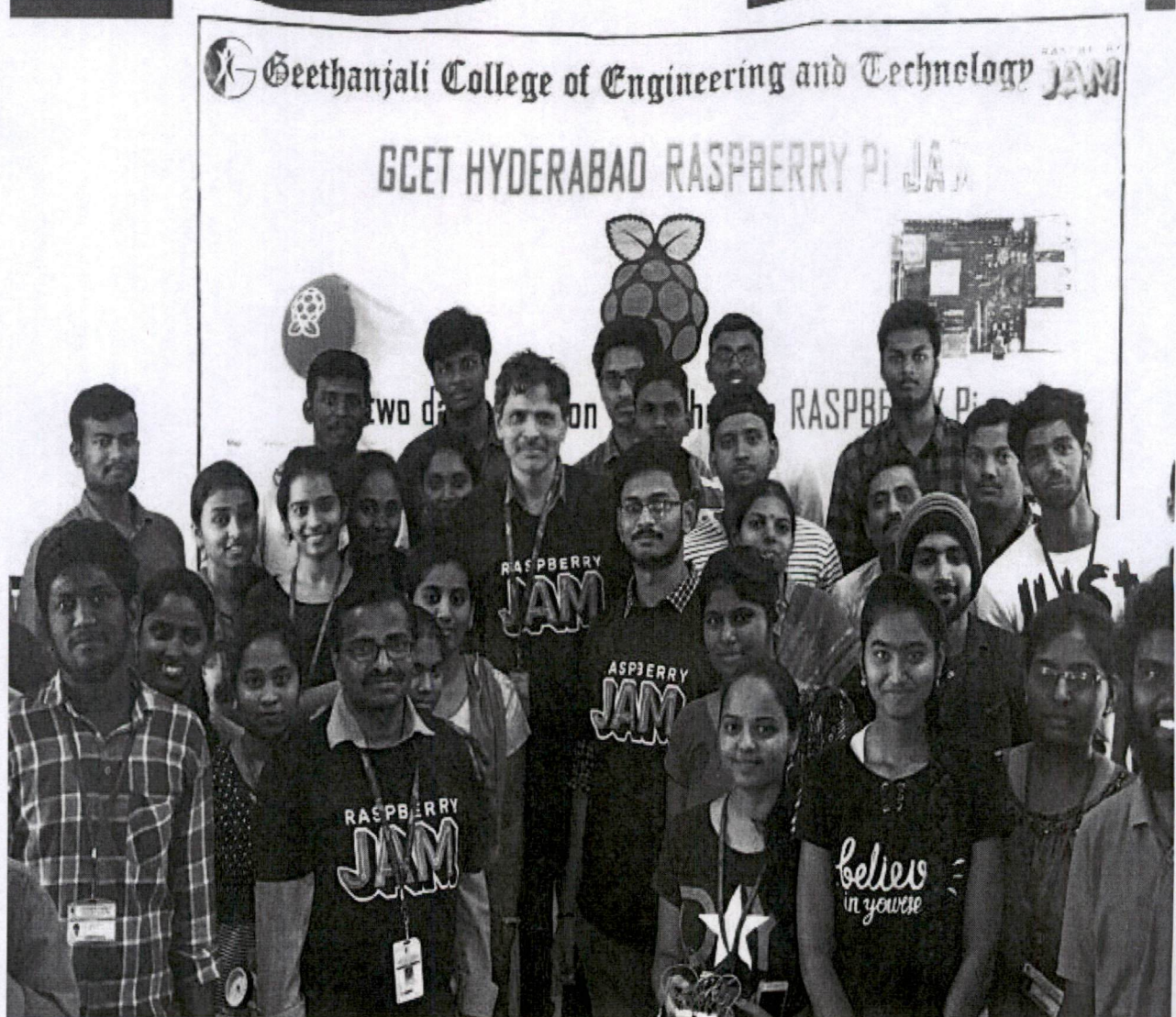

PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

4. Participants' Feedback

The feedback of the participants was very positive as given below:

1. There is no registration fee, and sponsored by Management of GCET
2. Good opportunity to learn on RASPBERRY Pi, all resource persons of IDBRT Hyderabad, IIIT Hyderabad, OU, Hyderabad, VEC, VNRVJIET and GCET.
3. The hands on sessions were planned in such a manner that the every group were given hard copy of GCET RASPBERRY Pi Workbook, all hardware components, wifi and one desktop computer with Raspberry Pi 3 Model B+ board.
4. The contents in GCET RASPBERRY Pi Workbook were well structured, planned and organised in a manner similar to CAM JAM workbook conducted by CAMBRIDGE UNIVERSITY.
5. The hospitality viz. transport facility and snacks were well organised.

Group Photo



Sue
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheerayal (V), Keesara (M), Medchal Dist. (S.S.)-501 301

9

A
Report Submitted
on
One-day hands-on Workshop to Students
on
“Arduino and Raspberry Pi”

29th December, 2018

By

**Prof. OVPR. Siva Kumar, Mr.A. Subramanyam
and Mr.Ch. Sandeep**

Department of ECE



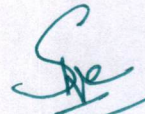
...Striving Towards Perfection

Geethanjali College of Engineering & Technology
Cheeryal (V), Keesara (M), R.R (Dist), A.P. – 501301

Ge
PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501301.

CONTENTS

1. Overview of the workshop
2. List of Participants
3. Presentations by Resource persons
4. Participants' feedback and group photo



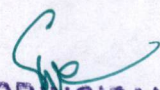
PRINCIPAL

Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 201.

1. Overview of the Workshop

A one day hands-on Workshop on Arduino and Raspberry Pi was successfully conducted to B.Tech students on 29th December, 2018 by Department of ECE. The workshop received an overwhelming response with participation of 78 students from various branches of our college. This workshop was intended to provide opportunity for students to get familiarized and get hands-on experience on Arduino and Raspberry Pi boards. This workshop was organized to motivate the students to attend National Level 36-hours Hackathon planned to be organized in our college in association with JNTUH Innovation Hub (JHUB) with the theme of “**AgriTech and Rural Development**” during 5-6 January, 2019. The hands-on sessions are designed to initiate students to participate for the above hackathon program by providing a thorough exposure to Arduino and Raspberry Pi Boards usage.

The Day-wise schedule of resource persons along with topics, brief summary of each of the sessions, list of participants and feedback of participants are included in this report.

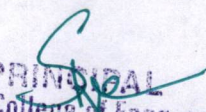

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheerla (V), Keasara (M), Medchal Dist.(T.S.)-501 201.

DAY-WISE BRIEF SUMMARY

Day: 1 (29/12/2018)

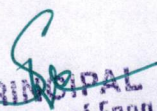
Inaugural function

The programme was started in the morning at IT seminar hall block -1 on 29th Dec 2018 by Mr. A SUBRAMANYAM, Assistant Professor from ECE Department and Mr Ch SANDEEP, Assistant Professor from ECE Department.


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Summary of Key Note Address:

Mr A SUBRAMANYAM has given the overview on Microcontrollers, different embedded boards (Arduino Boards, Raspberry Pi Boards, Beagle Bone, Intel Board, Banana Board, Orange Pi etc.) and their applications in the field of Internet of Things (IoT). He explained that the importance of IoT in smart devices and particularly in **AgriTech and Rural Development**. He continued to explain different problem statements in Smart India Hackathon (SIH) in **AgriTech and Rural Development** and given few ideas on how to solve.


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

	Day	1
	Date	05/06/2017
	Time	09:00 A.M -10:00 A.M
	Title	Key Note Address
	Name of the Resource person	Mr A SUBRAMANYAM Department of ECE, Geethanjali College of Engineering and Technology, Hyderabad

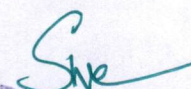
Summary of the Lecture

In this session, Mr A SUBRAMANYAM has given the overview on Microcontrollers, different embedded boards (Arduino Boards, Raspberry Pi Boards, Beagle Bone, Intel Board, Banana Board, Orange Pi etc.,) and their applications in the field of Internet of Things (IoT). He explained that the importance of IoT in smart devices and particularly in **AgriTech and Rural Development**. He continued to explain different problem statements in Smart India Hackathon (SIH) in **AgriTech and Rural Development** and given few ideas on how to solve.

	Day	1
	Date	29/12/2018
	Time	10:00 A.M -12:30 P.M 1:00 P.M – 2;00 P.M
	Title	Introduction to Arduino Boards, Arduino IDE and Interfacing few sensors to Arduino Uno
	Name of the Resource person	Mr Ch Sandeep Department of ECE, Geethanjali College of Engineering and Technology, Hyderabad

Summary of the Lecture

Mr Ch Sandeep has delivered a talk on “Introduction to Arduino Boards, Arduino IDE and Interfacing few sensors to Arduino Uno”. In this session, participants have acquired knowledge on how to use Arduino Uno board, downloading and program introduction on Arduino IDE. He explained the interfacing of Various sensors to Arduino Uno Board.


PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Day	1
Date	29/12/2018
Time	02:00 P.M -03:45 P.M
Title	Introduction to Raspberry Pi Boards and their uage.
Name of the Resource person	Mr A SUBRAMANYAM Department of ECE, Geethanjali College of Engineering and Technology, Hyderabad

Summary of the Lecture

In this session, Mr A SUBRAMANYAM, given brief introduction and demonstrated on Raspberry Pi 3 Model B Board.

- a) Features of Raspberry Pi 3 Model B Board and their specifications.
- b) How to download open source Raspbian OS from Official raspberry Pi website.
- c) How to format SD card and the procedure of copy and paste Raspbian OS on to the SD card.
- d) How to interface Raspberry Pi to sensors and also simple programs using Python.

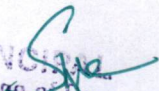
Feedback from Participants

The feedback of the participants was very positive as given below:

1. Good opportunity to learn different embedded boards and their features.
2. The hands on sessions were planned on Arduino Uno and demonstrated using Raspberry Pi 3 Model B Board.
3. The contents were well structured, planned and organised and the student participants expressed their willingness to handle the usage of Arduino AND Raspberry Pi Boards.

Few suggestions were as follows:

1. Most of the participants were of the opinion that this type of sessions with additional number days.
2. Participants suggested conducting One week workshop on Raspberry Pi.


PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

Group Photo

Evaluation Form

Your feedback is critical for the Department to ensure that we are meeting your Professional needs. We would appreciate if you could take a few minutes to share your opinions with us so we can serve you better.

Please return this form to the instructor or organizer at the end of the workshop. Thank you.

5: Strongly Agree; 4: Agree to a large extent; 3: Agree; 2: Disagree; 1: Strongly Disagree

Title of the topic: _____

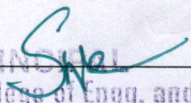
Date: _____ Instructor: _____

- | | | | | | |
|------------------------------------------------------------------------------------------------|---|---|---|---|---|
| 1. The content was as described in brochure | 1 | 2 | 3 | 4 | 5 |
| 2. The program was well paced within the allotted time | 1 | 2 | 3 | 4 | 5 |
| 3. The instructors were good communicators | 1 | 2 | 3 | 4 | 5 |
| 4. The material was presented in an organized manner | 1 | 2 | 3 | 4 | 5 |
| 5. The instructors were knowledgeable on the topics | 1 | 2 | 3 | 4 | 5 |
| 6. The Program improved my understanding of the topics | 1 | 2 | 3 | 4 | 5 |
| 7. I understood the concepts presented in the Program | 1 | 2 | 3 | 4 | 5 |
| 8. The Program improved my ability to utilize skills related to the topic. | 1 | 2 | 3 | 4 | 5 |
| 9. I would recommend this Program to others. | 1 | 2 | 3 | 4 | 5 |
| 10. I would attend other Programs offered by these Facilitator in future | 1 | 2 | 3 | 4 | 5 |
| 11. I would be interested in attending a follow-up, more advanced Program on this same subject | 1 | 2 | 3 | 4 | 5 |

12. What did you most appreciate/enjoy/think was best about the course?

13. Any suggestions for improvement?

Name and Signature of the Participant:

PRINCE

Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.) 501 301.