

Estd. 1989

SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, Eluru Dist., A.P., INDIA

APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI,
PERMANENTLY AFFILIATED TO JNTUK, KAKINADA

www.sircrrengg.ac.in



OFF: (08812) 230840, 230565
FAX: (08812) 224193
Email: principal.sircrrengg@gmail.com

List of Full time Teachers Participated in Professional Development Programs

AY:2019-20

S.NO	Name of the full-time Teacher	Designation	Name of the program participated	Date and Duration
1	Dr. K. Ramanjaneyulu	Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
2	Mr. A. Srinivas	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
3	Mr. B. Kanakaraju	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
4	Mr.S. Sree Rajesh	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
5	Mr. K. Gangadhara Rao	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
6	Mrs. V. Vijaya Lakshmi	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
7	Mrs. V. Vamsi Krishna	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
8	Mrs. P. Venkata Vasavi	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
9	Mr. Shake Baji	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
10	Mrs. P. Vijaya Laxmi	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
11	Mrs. P. Anitha Vijaya Sri	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019

			practices for Faculty	
12	Mrs. M. Durga Ratnam	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
13	Mr. S. Ravi Kumar	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
14	Mr. V. Ravi Kiran	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
15	Mr. M. Veeranjanyulu	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
16	Mrs. D. Ganga Bhavani	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
17	Mrs. Swetha Lanka	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
18	Mrs. D. Chowdeswari	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
19	Mrs. B. Devi Naga Prasanna	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
20	Mrs. K. V. Uma Karuna Devi	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
21	Mr. M. Anand Kumar	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
22	Mr. R. Pavan Kumar	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
23	Mrs. Syed Zareena	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
24	Mrs. Sushma Patnaik	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
25	Mrs. V. Pushpalatha	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019
26	Dr. S.N.L.S. Sirisha	Asst Professor	Research in Education Methodologies and best practices for Faculty	26-08-2019 to 30-08-2019

27	G.Srilatha	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
28	K.Miranji	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
29	V Vamsi Sudheera	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
30	A.Ram kumar	Ass Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
31	P Sowmithri	Ass Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
32	M.Vamsi krishna allu	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
33	V.Swathi	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
34	N.Sunitha	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
35	V Ranjith Kumar	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
36	K.Radha	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
37	M.Narendrakumar	Asst Professor	Bio-Medical Signal Processing and Applications	01-11-2019 to 14-11-2019
38	SK.JAHEERUNNISA BEGUM	Assistant professor	FDP ON RESEARCH METHODOLOGY	03-11-2019 to 08-11-2019
39	CH.MADHAVI LATHA	Assistant professor	FDP ON RESEARCH METHODOLOGY	03-11-2019 to 08-11-2019
40	N.SATEESH	Assistant professor	FDP ON RESEARCH METHODOLOGY	03-11-2019 to 08-11-2019
41	V.SANDEEP	Assistant professor	FDP ON RESEARCH METHODOLOGY	03-11-2019 to 08-11-2019
42	Dr.R.Harinadha Babu	Professor	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
43	T.Sivaram A Krishna	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
44	K.Srinivasa Rao	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
45	M.Dinesh Kumar	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
46	M.Ganesh Babu	Asst. Prof	Biochemical Treatment of Coarse-Grained	04-11-2019 to 08-11-2019

			Geomaterial from Geo-Environmental Perspective	
47	M.Chandrakanth	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
48	Y.Sasidhar	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
49	D.Babavali	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
50	J.Anupallavi	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
51	K.Ratna Reddy	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
52	N.S.Poorna Chandra Rao	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
53	A.Surya manikanta	Asst. Prof	Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective	04-11-2019 to 08-11-2019
54	Dr.S.KRISHNA RAO	PROFESSOR	PROBLEM SOLVING TECHNIQUES C AND DS	11-11-2019 to 16-11-2019
55	N.PRASAD	ASST PROFESSOR	PROBLEM SOLVING TECHNIQUES C AND DS	11-11-2019 to 16-11-2019
56	SK.MEERAVALI	ASST PROFESSOR	PROBLEM SOLVING TECHNIQUES C AND DS	11-11-2019 to 16-11-2019
57	K.PURNA PRAKASH	ASST PROFESSOR	PROBLEM SOLVING TECHNIQUES C AND DS	11-11-2019 to 16-11-2019
58	D.SRINIVASA RAO	ASST PROFESSOR	PROBLEM SOLVING TECHNIQUES C AND DS	11-11-2019 to 16-11-2019
59	V.GOPINATH	ASST PROFESSOR	PROBLEM SOLVING TECHNIQUES C AND DS	11-11-2019 to 16-11-2019
60	Tummala Kranthi Kiran	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
61	Palety Naga Sowjanya	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019

62	Motepalli Sunil Kumar	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
63	Uppuluri Ranjith Kumar	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
64	Tata Deepti Prasanna	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
65	Attada Durga Prasad	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
66	A.N.P. Girish Kumar	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
67	Ravilla Madhusudan	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
68	Katta Venkatesh	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
69	Sivakavi Naga Venkata Bramareswara Rao	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
70	Bandreddy Sambasiva Rao	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
71	Chaganti Prasanna Lakshmi	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
72	Tella Nagaraju	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
73	Koyi Kotaiah Chowdary	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
74	Shaik Chanbasha	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
75	Madduri Siva Naga Lakshmi Narasimha Rao	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
76	Lingamaneni Vamsi Narasimha Rao	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
77	Mesineti Vijaya Raghavendra	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019

78	Madire Mallikarjuna Reddy	Asst. Prof	Future Trends and Advances in Electrical and Electronics Engineering	02-12-2019 to 06-12-2019
79	Dr M Krishna	Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
80	J S V Gopala Krishna	Associate Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
81	K Anil Chowdary	Associate Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
82	Dr. G Nirmala	Associate Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
83	Dr. N Deepak	Associate Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
84	K N Madhavi Latha	Associate Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
85	K Varada Rajkumar	Associate Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
86	S Mohan Babu Chowdary	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
87	Konda Sreenu	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
88	K Chaitanya Deepthi	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
89	Y L Sandhya Rani	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
90	M Ganesh Babu	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
91	G Satyanarayana	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
92	Homer Benny Bandela	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
93	Ch Rama Devi	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
94	R S K Chaitanya	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
95	Samparathi V S Kumar	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
96	P Naga Deepthi	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
97	M Madhava Rao	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
98	Vahiduddin Shariff	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
99	V V Deepthi Donavalli	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
100	V Pranav	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019

101	K Swathi	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
102	Ch Srinivas	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
103	T Koti Mani Kumar	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
104	Rama Lakshmi B	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
105	S Jaya Prakash	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
106	B Madhav Rao	Assistant Professor	FDP on Block Chain Technologies	16-12-2019 to 20-12-2019
107	Dr. K.Lalit Narayan	Professor	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
108	Dr. M. Sri Rama Murthy	Professor	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
109	Dr. K. Sunil Ratna Kumar	Assoc. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
110	Sri D.Satyanarayana	Sr.Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
111	Sri T. Rama Krishna	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
112	Sri E. Venkateswara Rao	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
113	Sri K. V.P.P. Chandu	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
114	Sri Ch. Rama Krishna	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
115	Sri B.V. Subrahmanyam	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
116	Sri S.V. Gopala Krishna	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
117	Mrs. Ch. Lakshmi Poornima	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
118	Sri L.N.V. Narasimha Rao	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
119	Sri Ch. Chandra Rao	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
120	Sri A. Srinivasa Rao	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
121	Sri E. Srinivas	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
122	Sri A. S. Ganapathi	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020
123	Sri V. Naveen Kumar	Asst. Prof	One week FDP on Digital Manufacturing and Design	17-02-2020 to 22-02-2020

List of Non-Teaching staff participated in Skill Development Program

AY:2019-2020

S.NO	Name of the Staff	Designation	Name of the Program	Date and Duration
1	P. Pratima	Technician	MS-Office	18-12-2019
2	M. Sravani	Junior Assistant	MS-Office	18-12-2019
3	K. S. Sirisha	Junior Programmer	MS-Office	18-12-2019
4	S. Jaya Rama Krishna	Technician	MS-Office	18-12-2019
5	T. S. Anand	Junior Assistant	MS-Office	18-12-2019
6	G. L. Ganesh Babu	Computer Operator	MS-Office	18-12-2019
7	B.Rangamma	Technician	MS-Office	18-12-2019
8	G. Muralidhara Rao	Junior Assistant	MS-Office	18-12-2019
9	P. Ruth	Technician	MS-Office	18-12-2019
10	P. V. Padmavathi	Junior Assistant	MS-Office	18-12-2019
11	A.Yesubabu	Programmer	MS-Office	18-12-2019
12	G. Kali Krishna	Hardware Technician	MS-Office	18-12-2019
13	D. Leela Kumari	Junior Programmer	MS-Office	18-12-2019
14	G. Padma	Junior Assistant	MS-Office	18-12-2019

IQAC



PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007



SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

Approved by AICTE & Affiliated to JNTUK, Kakinada

FIRST YEAR ENGINEERING DEPARTMENT

NOTICE

Date: 16-08-2019

It is to inform all the Department staff members that "A 5-day Faculty Development Program on Research In Education Methodologies And Best Practices For Faculty" is going to be organizing from 26-08-2019 to 30-08-2019. Hence all the interested staff members are advised to participate in this program and get benefited and inform to your colleagues in other colleges.

for


HOD - FED

HEAD
First Year Engineering Department
Sir C.R. Reddy College of Engineering
ELURU-524 007

A FIVE DAYS FDP PROGRAMME ON
Research in Education Methodologies & Best Practices for Faculty
(Offline Mode)
Organized by
First Year Engineering Department
Sir C R Reddy College of Engineering
Day wise Schedule(26/08/2019 to 30/08/2019)

Date\Time	26-08-2019	27-08-2019	28-08-2019	29-08-2019	30-08-2019
9AM- 9.30AM	Inauguration	Recap of the Previous day	Recap of the Previous day	Recap of the Previous day	Recap of the Previous day
9.30AM- 12Noon	Session1-: Introduction to research.	Session3: Qualitative research	Session-5: Sampling techniques	Session-7: key concepts	Session-8: Methodology
12Noon-1PM	Article Discussion*	Article Discussion**	Article Discussion	Article Discussion	
1PM - 2PM	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
2PM-4.30PM	Session-2: What is research	Session - 4: Mixed methods	Session-6: Data collection methods	Session-8: Literature review	Feed Back,MCQ,
4.30PM- 5.30PM	Type of research	Quantitative research	Research process	Professional development	Valedictory session


HOD-FED

HEAD
 First Year Engineering Department
 Sir C.R. Reddy College of Engineering
 ELURU-534 607

SIR C R REDDY COLLEGE OF ENGINEERING

First Year Engineering Department
REGISTRATION CUM NOMINATION FORM
(Photocopies may be used for additional

participants) A Five day Faculty Development Program
on **“Research in Education Methodologies & Best
Practices for Faculty”**
(26-08-2019 to 30-08-2019)

1. Name:
2. Designation:
3. Department:
4. Qualification:
5. Experience (Yrs):
6. College Name:
7. Mobile No:
8. E-mail address:

Mr./Ms./Dr. _____ from
_____ is hereby
permitted to attend the Faculty Development Program
(FDP) on **“Research in Education Methodologies &
Best Practices for Faculty”** at Sir C R Reddy College
of Engineering, Eluru from 26 Aug-30 Aug 2019.

Place:

Date:

Signature

CO-ORDINATING COMMITTEE

Chief Patrons:

Sri Dr.M.B.S.V.Prasad, Secretary
Sri Jasti Mallikharjunudu, Correspondent.

Patrons:

Dr. G.SambhaSiva Rao, Principal

Convener:

Dr. G. Rammohan Rao
Head of Department
First Year Engineering Department
Ph: +91 8331996699

Co-ordinator: K.V.Uma Karuna Devi
Assistant. Prof., Department of Mathematics
Ph: +919490171169

Organizing Committee:

Dr. K.Ramanjaneyulu, Assoc.Professor
Mr.S.Ravi Kumar, Asst. Prof
Mr.S.Sree Rajesh, Asst. Prof
Mr.V.Ravi Kiran, Asst.Prof
Mrs. D.Chowdeswari, Asst.Prof
Mr.M.Anand Kumar, Asst.Prof

A Five day Faculty Development Program on
**“Research in Education Methodologies & Best
Practices for Faculty”**

26-08-2019 to 30-08-2019
Organized by First Year Engineering
Department



**SIR C R REDDY COLLEGE OF
ENGINEERING**

Eluru-534007, West Godavari Dist, A.P., India
(Approved by AICTE, New Delhi & Permanently affiliated
to JNTUK, Kakinada)

ABOUT THE INSTITUTE

Sir C. R. Reddy College of Engineering is the first Engineering College in Andhra Pradesh sanctioned and recognized by All India Council for Technical Education (AICTE). This College is permanently affiliated to JNTUK from the Academic Year 2017-18.

Since its inception in 1989, Sir C. R. Reddy College of Engineering has been a premier institute for quality engineering education in Andhra Pradesh under the stewardship of its broad minded and magnanimous management. The last two and a half decades has seen the Institute fulfilling its motto of 'QUALITY SERVICE & VALUE BASED EDUCATION' to the student community.

The College is situated near Vatluru railway gate in Eluru, the Head Quarters of West Godavari district. It is surrounded by beautiful paddy fields and is on Chennai-Howrah highway and train route. A large number of buses and trains run via this town. It is easily accessible from any part of the country by rail as well as road.

The College is located in its own sprawling campus with an area of 30.48 acres. Its magnanimous infrastructure and greenery attracts the attention of people who pass by. The vast green campus housing several Departments provides a stimulating environment to the high caliber staff and students of the institution.

The Campus at Vatluru is a place where students from all walks of life are under a single umbrella pursuing their BE/B.Tech, M.Tech and MBA courses.

ABOUT THE DEPARTMENT

The first-year engineering department was established in 1989. The first year of engineering is the beginning of the professional career; therefore, the department is very concerned about the teaching and learning process and the overall result of the students. The motto of our department is to equip students with better academic skills and discipline so that they can serve the nation as good people. In addition to the subjects of study, we provide one extra lecture per week for each subject to complete the curriculum and conduct extra tutorials so that students can grasp the material comfortably. Everest College of Engineering & Technology's Applied Science Department, which is the foundation for all engineering majors, provides future technocrats in all disciplines with a high-quality education in applied science (mathematics, physics, environmental chemistry, etc.) and encourages students to think innovatively. The department also provides students with new and revised internal manuals and questionnaires for various disciplines. The department has well-equipped classrooms, a drawing room, and laboratories for physics and chemistry.

About the FDP:

This Five day Faculty Development Program spans a diverse array of topics, empowering educators in the topic of Educational Methodologies & Recent Trends. New teaching methodologies are changing the educational environments around the world and driving better academic performance among students. We go over some of the main innovative approaches that educators have forged over the last few years and that every 21st century teacher should be acquainted.

Resource Persons:



Mr. G. Srinivasa Rao,
Assist. Professor
Guest Faculty, Andhra University

Eligibility: The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry etc.

Selection: The number of Participants is limited to 45 and will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

Certificate: Certificate to the participants will be issued on successful completion of the FDP.

Registration Fee: Rs.1050/-.

Form for Registration:

Note: Last date for registration is 25-08-2019.

**REPORT ON FACULTY DEVELOPMENT PROGRAMME ON
Research in Education Methodologies & Best Practices for Faculty
FROM 26-08-2019 TO 30-08-2019**

The faculty development programme started on 26th August 2019 at 9:00 am with Jyothi Prajwalana. There were external participants from different colleges and institutes and around 31 participants are attended this FDP.

The dignitaries on the stage were Mr. Kommareddy Rambabu garu, President of Sir C R R Educational Institutions and Correspondent of Sir C R Reddy College of Engineering, Mr. N.V.K. Durgarao garu, Secretary of Sir C R R Educational Institutions.



Jyothi Prajwalana by Chief Guests for the Inaugural Session of the FDP .

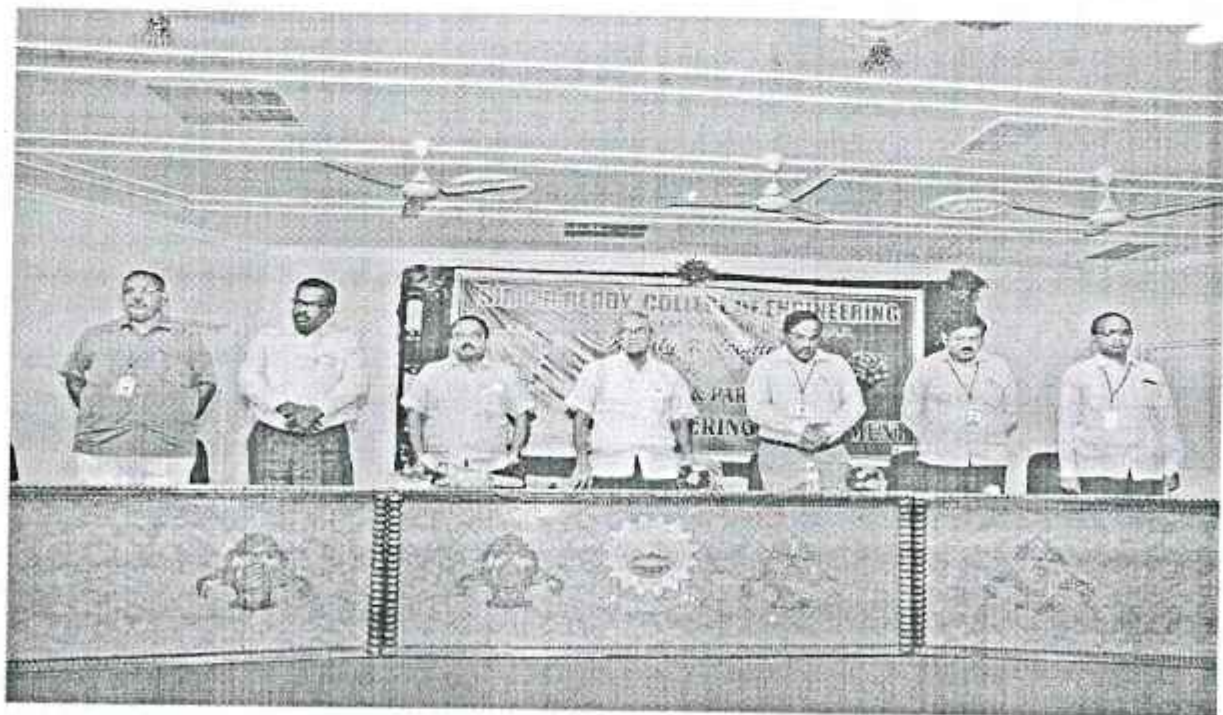
Opening remarks for the FDP were given by Chief Guests, which was followed by an introduction to the programme by Mr.G.Srinivasa Rao, Guest Professor in Andhra University. In this session she mainly focussed on the Introduction to Research in Education methodologies.

Research is the careful consideration of study regarding a particular concern or research problem using scientific methods. According to the American sociologist Earl Robert Babbie, "research is a systematic inquiry to describe, explain, predict, and control the observed phenomenon." It involves both **inductive**

and deductive methods—inductive approaches analyze observed events, while deductive methods verify those events. Introduction to the FDP and highlights of the topic by Mr.G.Srinivasa Rao. Thereafter, the message from Honourable Founder President was read out by K. Rambabu garu. The programme progressed with the inaugural lecture at 9:30 am by Mr.G.Srinivasa Rao in which he mainly focussed on the **Data collection methods** are essential in research to gather relevant information for analysis. Researchers use various techniques to collect data based on their research questions and objectives. He also played a video on the activities. The next speaker was Sri. G.Ram Mohan Rao, Head of the First Year Engineering Department in Sir C R Reddy College of Engineering. He mainly spoke about the differnt areas of the topic which was followed by a brain storming session.

Addressing all the Participants who are attending the FDP by Sri. G.Ram Mohan Rao, Head of the First Year Engineering Department in Sir C R Reddy College of Engineering.

The second day started off with the lecture of Mr.G.Srinivasa Rao. Continued a Lecture on **Methodology** refers to the systematic approach or set of principles used to conduct research, solve problems, or achieve specific goals.



series of lectures in the five days programme, A concluding session followed after the tea break in which participants shared their experiences. Participants sharing their experiences Certificate distribution at the concluding session Most of them told about their enriching experience at the FDP. Thereafter FDP by Sri. G.Ram Mohan Rao, gave his concluding remarks and distributed the certificates to the external participants. In the end Mrs .K.V.Uma Karuna Devi gave the vote of thanks and concluded the five days faculty Programme.

SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

FIRST YEAR ENGINEERING DEPARTMENT

FIVE-DAYS FACULTY DEVELOPEMENT
PROGRAMME ON



Research in Education Methodologies
and Best Practices for Faculty

From 26/08/2019 to 30/08/2019.

G Srinivasa Rao

Guest Faculty

Andhra University





Attendance List of Participants

Name of the Department

FIRST YEAR ENGINEERING DEPARTMENT

Name of the Programme

: RESEARCH IN EDUCATION METHODOLOGIES AND BEST PRACTICES FOR FACULTY

Dates of Programme

: 26.08.2019 - 30.08.2019

S.No	Name of the Person	Name of the Dept.	Day-1	Day-2	Day-3	Day-4	Day-5
			Dt: 26/8/19	Dt: 27/8/19	Dt: 28/8/19	Dt: 29/8/19	Dt: 30/8/19
1	K. Ramarjaneyulu	FED	P	P	P	P	P
2	A. Srinivas	FED	P	P	P	P	P
3	B. Kanakaraju	FED	B. Kanaka	B. Kanaka	B. Kanaka	B. Kanaka	B. Kanaka
4	S. Sree Rajesh	FED	S	S	S	S	S
5	K. Gangadhara Rao	FED	K	K	K	K	K
6	V. Vijaya Lakshmi	FED	CEL	CEL	CEL	CEL	CEL
7	V. Vamsi Krishna	FED	V. Vamsi	V. Vamsi	V. Vamsi	V. Vamsi	V. Vamsi
8	P. Venkata Vasavi	FED	P	P	P	P	P
9	Shake Baji	FED	S	S	S	S	S
10	P. Vijaya Lakshmi	FED	P	P	P	P	P
11	P. Anitha Vijaya Sri	FED	P	P	P	P	P
12	M. Durga Ratnam	FED	M	M	M	M	M
13	S. Ravi Kumar	FED	S	S	S	S	S
14	V. Ravi Kiran	FED	V	V	V	V	V
15	M. Veeranjaneypulu	FED	M	M	M	M	M
16	D. Ganga Bhanani	FED	D	D	D	D	D
17	L. Swetha	FED	L	L	L	L	L
18	D. Chowdeswari	FED	cho.	cho.	cho.	cho.	cho.
19	B. Devi Naga Prasanna	FED	B	B	B	B	B
20	K. V. Uma Karuna Devi	FED	K	K	K	K	K
21	M. Anand Kumar	FED	M	M	M	M	M
22	R. Pavan Kumar	FED	R	R	R	R	R
23	SYED zareena	FED	S. Zareena	S. Zareena	S. Zareena	S. Zareena	S. Zareena
24	Sushma Patraik	FED	S	S	S	S	S
25	V. Pushpalatha	FED	V	V	V	V	V

Kollu
Programme Co-ordinator

DATE: 28/08/2019

DAY: I

SESSION: 1

In this session the speaker mainly focus on the *What is research*

Certainly! **Research** is a systematic process of **inquiring, investigating, and exploring** to gain new knowledge, solve problems, or answer questions. It involves collecting and analyzing data, drawing conclusions, and contributing to existing knowledge in a specific field. Here are some key points about research:

1. **Purpose of Research:**

- **Advancement of Knowledge:** Research aims to expand our understanding of the world, uncover hidden patterns, and discover new facts.
- **Problem Solving:** It helps address practical issues, find solutions, and improve existing processes.
- **Decision Making:** Research provides evidence-based information for informed decision-making.

2. **Types of Research:**

- **Basic Research:** Investigates fundamental principles and theories without immediate practical applications.
- **Applied Research:** Focuses on solving real-world problems and has practical implications.
- **Quantitative Research:** Involves numerical data and statistical analysis.
- **Qualitative Research:** Explores subjective experiences, opinions, and behaviors.

3. **Research Process:**

- **Identify a Research Problem:** Define a clear question or issue to explore.
- **Review Existing Literature:** Understand what others have studied in the same area.
- **Design Research Methods:** Choose appropriate methods (surveys, experiments, interviews, etc.).
- **Collect Data:** Gather relevant information.
- **Analyze Data:** Use statistical tools or qualitative techniques.
- **Draw Conclusions:** Interpret findings and make informed statements.
- **Communicate Results:** Share research outcomes through papers, presentations, or reports.

Remember, research is a dynamic and ongoing process that contributes to our collective knowledge and drives progress.

SESSION: 2

In this session the speaker mainly focus on the *What is research*

Research is the **careful consideration of study regarding a particular concern or research problem using scientific methods**. According to the American sociologist Earl Robert Babbie, "research is a systematic inquiry to describe, explain, predict, and control the observed phenomenon." It involves both **inductive and deductive methods**—inductive approaches analyze observed events, while deductive methods verify those events. Research serves various purposes, including identifying potential customers, understanding existing customers, setting pragmatic goals, developing market strategies, addressing business challenges, planning business expansion, and identifying new opportunities¹. In essence, research is a dynamic process that contributes to our collective knowledge and drives progress.

DATE: 27/08/2019

DAY: 2

SESSION: 3

In this session the speaker mainly focus on the

Qualitative research involves collecting and analyzing non-numerical data (such as text, video, or audio) to understand concepts, opinions, or experiences. Unlike quantitative research, which focuses on numerical data for statistical analysis, qualitative research aims to explore in-depth insights into a problem or generate new ideas for research. It is commonly used in fields such as anthropology, sociology, education, health sciences, and history. Here are some examples of qualitative research questions:

1. **How does social media shape body image in teenagers?**
2. **How do children and adults interpret healthy eating in the UK?**
3. **What factors influence employee retention in a large organization?**
4. **How is anxiety experienced around the world?**
5. **How can teachers integrate social issues into science curriculums?**

Qualitative research approaches include grounded theory, ethnography, action research, phenomenological research, and narrative research. These approaches emphasize retaining rich meaning when interpreting data and understanding how people experience the world. Qualitative research provides valuable insights and complements quantitative methods in understanding complex phenomena¹².

SESSION:4

In this session the speaker mainly focus on the **Mixed methods**

Mixed methods research combines elements of both **quantitative research** and **qualitative research** in order to answer research questions. It integrates the benefits of both methods, allowing researchers to gain a more complete picture than standalone quantitative or qualitative studies. Here are some key points about mixed methods research:

1. **When to Use Mixed Methods Research:**
 - o **Generalizability:** Qualitative research often has a smaller sample size and is not as generalizable. Mixed methods mitigate this weakness by incorporating the strength of large-scale quantitative research.
 - o **Contextualization:** Mixing methods allows researchers to put findings in context and add richer detail to conclusions. Qualitative data can complement and illustrate quantitative findings.
 - o **Credibility:** Using different methods to collect data on the same subject enhances credibility. When qualitative and quantitative data converge, it strengthens the validity of conclusions through a process called triangulation.
2. **Common Types of Mixed Methods Designs:**
 - o **Convergent Parallel Design:** Collect both quantitative and qualitative data concurrently, then compare and contrast the results.
 - o **Embedded Design:** One method (e.g., qualitative) is embedded within the other (e.g., quantitative). The two methods are not necessarily collected simultaneously.
 - o **Exploratory Sequential Design:** Start with qualitative data collection and use the findings to inform subsequent quantitative data collection.
3. **Examples of Mixed Methods Research Questions:**
 - o To what extent does the frequency of traffic accidents (quantitative) reflect cyclist perceptions of road safety (qualitative) in Amsterdam?
 - o How do student perceptions of their school environment (qualitative) relate to differences in test scores (quantitative)?
 - o How do interviews about job satisfaction at Company X (qualitative) help explain year-over-year sales performance and other KPIs (quantitative)?

SESSION:5

In this session the speaker mainly focus on the

Sampling techniques are essential in research to select a subset of individuals (a sample) from a larger population. These techniques allow researchers to study and draw inferences about the entire population. Let's explore some common sampling methods:

1. **Probability Sampling Methods:**

- These methods involve random selection, allowing for strong statistical inferences:
 - **Simple Random Sampling:** Each individual has an equal chance of being selected. It minimizes bias.
 - **Stratified Sampling:** Divide the population into subgroups (strata) based on certain characteristics (e.g., age, gender). Then randomly sample from each stratum.
 - **Systematic Sampling:** Select every n th individual from a list (e.g., every 10th person).
 - **Cluster Sampling:** Divide the population into clusters (e.g., schools, neighborhoods) and randomly sample clusters. Then sample individuals within each selected cluster.

2. **Non-Probability Sampling Methods:**

- These methods involve non-random selection based on convenience or other criteria:
 - **Convenience Sampling:** Select individuals who are readily available or easy to reach (e.g., surveying people on the street).
 - **Purposive Sampling:** Handpick specific individuals based on specific criteria (e.g., experts, key informants).
 - **Snowball Sampling:** Start with a small group of participants and ask them to refer others (common in hard-to-reach populations).
 - **Quota Sampling:** Set quotas for specific characteristics (e.g., age, gender) and sample accordingly.

Remember, the choice of sampling method depends on research goals, practical constraints, and the representativeness of the sample. Clearly explain your sampling method in your research methodology to ensure transparency and validity.

SESSION : 6

In this session the speaker mainly focus on the

Certainly! **Data collection methods** are essential in research to gather relevant information for analysis. Researchers use various techniques to collect data based on their research questions and objectives. Let's explore some common data collection methods:

1. Surveys:

- **Purpose:** To understand general characteristics, opinions, or behaviors of a population.
- **Method:** Distribute a list of questions to a sample of participants, either through paper-based forms, online surveys, or interviews.

2. Interviews and Focus Groups:

- **Purpose:** To gain an in-depth understanding of participants' experiences, perceptions, or opinions.
- **Method:**
 - Conduct one-on-one interviews (structured or semi-structured).
 - Organize focus groups with a small group of participants discussing a specific topic.

3. Observation:

- **Purpose:** To understand something in its natural setting.
- **Method:**
 - Observe and record behaviors, interactions, or events.
 - Can be done actively (directly interacting with participants) or passively (observing without interference).

4. Archival Research:

- **Purpose:** To study historical events, practices, or documents.
- **Method:** Analyze existing records, documents, or artifacts (e.g., historical texts, diaries, official records).

5. Secondary Data Collection:

- **Purpose:** To analyze existing data collected by others.
- **Method:** Use data from sources such as government reports, databases, or published studies.

Remember, the choice of data collection method depends on your research objectives, the type of data needed, and practical considerations. Each method has its strengths and limitations, so choose wisely based on your research context.

DATE:29/08/2019

DAY:4

SESSION :7

In this session the speaker mainly focus on the

Certainly! Let's explore some **key concepts** related to instructional design:

1. Instructional Design (ID):

- ID is a systematic process for creating effective educational and training programs.
- It aims to improve learning outcomes by designing courses, lessons, and materials that align with specific learning objectives.
- ID involves analyzing learner needs, designing instructional strategies, developing content, and evaluating effectiveness¹.

2. Learning Objectives:

- Clear, measurable statements that define what learners should know or be able to do after completing instruction.
- Objectives guide the design and development of instructional materials.

3. Learner-Centered Approach:

- Focuses on learners' needs, preferences, and experiences.
- Effective instructional design considers learners' backgrounds, motivations, and learning styles.

4. Formative Evaluation:

- Conducted during the design process.
- Gathers feedback to refine instructional materials.
- Methods include expert reviews, pilot testing, and focus groups.

5. Summative Evaluation:

- Conducted at the end of instruction.
- Assesses overall effectiveness and achievement of learning objectives.
- Common tools: pre/post-tests, surveys, and performance assessments.

Remember, instructional design is about creating meaningful learning experiences that lead to improved understanding and skill development

Session : 8

In this session the speaker mainly focus on the

A **literature review** is a scholarly survey of existing research and scholarly sources on a specific topic. It serves several purposes in academic and research contexts:

1. **Understanding Existing Knowledge:**

- A literature review provides an overview of current knowledge related to a particular subject.
- It allows researchers to identify relevant theories, methods, and gaps in existing research.

2. **Contextualizing Research:**

- When writing a thesis, dissertation, or research paper, a literature review situates your research within the broader scholarly context.
- It helps you develop a theoretical framework, position your work in relation to other researchers, and demonstrate your knowledge of existing debates.

3. **Key Steps in Writing a Literature Review:**

- **Search for Relevant Literature:** Identify scholarly sources related to your topic.
- **Evaluate and Select Sources:** Assess the quality and relevance of each source.
- **Identify Themes, Debates, and Gaps:** Analyze common themes, conflicting viewpoints, and areas where further research is needed.
- **Outline the Structure:** Organize your literature review logically.
- **Write Your Literature Review:** Synthesize and critically evaluate existing research to provide a clear picture of the state of knowledge on the subject.

Remember, a well-constructed literature review doesn't merely summarize sources—it analyzes, synthesizes, and evaluates to contribute to the scholarly conversation.



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SIR C R REDDY COLLEGE OF ENGINEERING, ELURU
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 16-10-2019

Ref: SIRCRRCOE/ECE/ FDP/2019-20/110

NOTICE

I am happy to inform you that, our department is going to organizing an AICTE sponsored two week FDP on "Bio-Medical Signal Processing & Applications" during 1st to 14th Nov, 2019. In this regard, the interested faculty may apply as per the proforma attached herewith. However, the final selection is purely based on the candidate's research specialization and AICTE guidelines. Submit the proforma by 18/10/2019.

M. S. S. S. 16/10/19
Coordinator, FDP
Head of the Department
Electronics & Communication Engg.
Sir C. R. R. College of Engineering
Eluru - 534 007

- | | | | |
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| 8. | 17. | 26. | 35. |
| 9. | 18. | 27. | 36. |

About College

Sir C.R.Reddy College of Engineering is the first Engineering College in Andhra Pradesh sanctioned and recognized by All India Council for Technical Education (AICTE). This College is permanently affiliated to Andhra University, Visakhapatnam.

Since its inception in 1989, Sir C.R.Reddy College of Engineering has been a premier institute for quality engineering education in Andhra Pradesh under the stewardship of its broad minded and magnanimous management. The last two and a half decades has seen the Institute fulfilling its motto of 'QUALITY SERVICE & VALUE BASED EDUCATION' to the student community.

The College is situated near Vatluru railway gate in Eluru, the Head Quarters of West Godavari district. It is surrounded by beautiful paddy fields and is on Chennai-Howrah highway and train route. A large number of buses and trains run via this town. It is easily accessible from any part of the country by rail as well as road.

About Department

The Department of Electronics and communication Engineering has been functioning since the beginning of the college i.e, from A.Y 1989-90 with an intake of 60 students. Presently the intake of the ECE Department is 180 students. The department has 37 well qualified, experienced and dedicated faculty with at least having a P.G qualification, four faculty with PhD and many of faculty are pursuing Ph.D in different streams. ECE department is offering M.tech course in Communication Systems and VLSI from A.Y 2009-10. The ECE department has good infrastructure with 8 different labs. all the labs are fully equipped to cater the present day technology.

The Department conducts Colloquium, an annual national-level Technical Symposium that provides a forum for the students specializing in Electronics & Communications Engineering from across the country to participate, present papers and interact with eminent professionals from the field.

ECE Department has established R&D Cell and Electronics Hobby Club. These Two Clubs intends to deveiop expertise in students to prepare them for taking up interviews and placements in core sectors of Electronics and Communication Engineering.

Address for Correspondence

Dr. T. VENKATESWARA RAO
Professor & HOD
Department of Electronics and Communication Engg.
Sir C R Reddy College of Engineering
Vatluru, Eluru Andhra Pradesh- 534007
Email: tumati01@ieee.org,
Ph: 9440650760

Faculty Development Program

AICTE Sponsored Two Week FDP on

Bio-Medical Signal Processing And Applications

1st to 15th Nov, 2019

Sir C R Reddy College of Engineering, Eluru (A.P)-534007

REGISTRATION FORM

Name Dr. /Mr. /Ms.: _____

Designation: _____

Educational Qualification: _____

Specialization: _____

Department: _____

Institution: _____

AICTE Faculty ID No: _____

Professional Experience:

Teaching _____ R&D _____ Industry _____

Mailing Address:

Contact No. _____

Mobile. _____

Email ID. _____

Payment Details:

DD No. & Date: _____

Bank Name & Branch: _____

Accommodation required: YES / NO

(Limited Accommodation is available)

Signature of the Participant with Date

Sponsorship Certificate

Dr./Mr./Ms. _____

is sponsored to attend the two week FDP on "Biomedical Signal Processing and Applications" to be held from 1st to 15th November, 2019 at Sir C R Reddy College of Engineering, Eluru.

Place:

Signature of the Head of the

Date:

Institution with Seal

Faculty Development Program

AICTE Sponsored Two Week FDP on

Bio - Medical Signal Processing And Applications

1st to 15th November, 2019



Convener

Dr. T. Venkateswara Rao

Coordinator

Dr. R. Satish

Co-Coordiators

Dr. M. Ravi Kumar

Mrs. M. Greshma



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING
SIR C R REDDY COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Accredited by NAAC.

Permanently Affiliated to JNTUK.

Vatluru(Post), Eluru (Mandal), Eluru - 534007

Ph: 08812-230840, 230565, Website: www.sircrrengg.ac.in

Chief Patrons

Sri ALLURI. INDRA KUMAR
President, Sir C R R Institutions

Patrons

Dr. M. B. S. V. PRASAD

Secretary, Sir C R R Institutions

Sri CHITTURI JANAKI RAMAYYA

Treasurer, Sir C R R Institutions

Sri. JASTI MALLIKHARJUNUDU

Correspondent, Sir C R R College of Engg.

Dr. G. SAMBASIVA RAO

Principal, Sir C R Reddy College of Engg.

Convener

Dr. T. Venkateswara Rao

Professor & HOD

Sir C R Reddy College of Engineering

Organizing committee

Dr P. H. S. Tejo Murthy, Professor

Sri. K. V. R. Chowdary, Associate Professor

Ms. I. Hemalatha, Associate Professor

About the Program

Biomedical signal processing and instrumentation is an emerging stream that has got both industrial and research significance. Medical practitioners and Engineers are developing new ways to process bio signals using a variety of mathematical tools and algorithms used in both therapeutic and diagnostic instrumentation. The course aims to impart solid foundation in mathematical and signal processing tools on biomedical signals and medical imaging for feature extraction using MATLAB and LabVIEW. Participants will gain knowledge on the acquisition of the biomedical signals from various organs of the body. They will also develop an understanding of the current and future developments and technologies within the field of biomedical signal processing, image processing and therapeutic & diagnostic instrumentation. They will also know the present trends in the research of biomedical signal processing.

Objectives & Context

- To improve the knowledge of participants in biomedical signal processing and motivate the participants to work with biomedical signals.
- To unfold various research areas under biomedical signal processing and provide opportunity to contact with experts in the related areas.
- To provide sound mathematical and theoretical prerequisites necessary for carry out research in this field.

By the end of FDP, the participants should be able:
1) to understand biomedical signals such as ECG, EEG & EMG and various methods to acquire biosignals.
2) to implement pre-processing methods for removal of artifacts.
3) to be familiar with some of the most important advanced biomedical signal processing techniques for feature extraction and classification techniques
4) to develop application oriented algorithms on biomedical signals using MATLAB and LabVIEW. The biomedical signal processing is relevant to Biomedical robotics, Speech signal processing, Medical image processing, Therapeutic and diagnostic instrumentation, Invasive and non-invasive measurements, Telemedicine, Biosensors and transducers.

Prerequisites for the Course

- Knowledge on basic logic circuit design.
- Knowledge on VLSI design concepts.
- Basic knowledge on CAD tools

Important Dates

- Last date for registration :
- Intimation to the participants :

Course Outline

Course consists of series of lectures on the following topics along with hands on

- » Biosignal processing and applications.
- » Transform techniques.
- » Acquisition of biosignals.
- » Biomedical instrumentation.
- » Medical Image processing.
- » Biosensors and transducers.
- » Classification techniques.
- » Development of algorithms.
- » Hands on sessions on the above topics.

Resource Persons

Course Program

The Course program has three sections:

- Lectures
- Hands-on
- Course end Exam (MCQ based questions)

Registration

Registration fee details for various types of participants are given below.

Faculty participants from AICTE approved Institutions	Rs. 1000*
Research Scholars	Rs. 1500
Participants from Industry/R&D Organizations	Rs. 2500

* The fee will be refundable

Registration form in the prescribed format approved by a competent authority should reach the Convener by hand/post/E-mail along with the Demand Draft to be drawn in favor of "THE PRINCIPAL, Raghu Institute of Technology", payable at Visakhapatnam.

- The total number of seats is 40, out of which 4 (maximum) are reserved for persons from industry.
- Accommodation will be provided.
- TA to outstation participants as per AICTE norms.

Sir C R Reddy College of Engineering, Eluru.
Department of ECE

AICTE sponsored a two week Faculty Development Programme (FDP) on -
"Bio-Medical Signal Processing"

1st to 14th November 2019

Participant list

Attendance Sheets:

Sl No	NAME	01-11-2019		02-11-2019		03-11-2019		04-11-2019		05-11-2019	
		FN	AN	FN	FN	FN	AN	FN	AN	FN	AN
	Mr Mullapudi Ramakrishna	do	do	do	do	do	do	do	do	do	do
	Mr Srinivas Yallapu	do	do	do	do	do	do	do	do	do	do
	Dr Rambabu Busi	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
	Dr K. Raju	Dr	Dr	Dr	Dr	Dr	Dr				
	Mrs. A Vijaya Shanthi	Ans	Ans	Ans	Ans			Ans	Ans	Ans	Ans
	Mr P.Sivakrishna	Pce	Pce	Pce	Pce	Pce	Pce	Pce	Pce	Pce	Pce
	Mr P Venkateswararao	Pwr	Pwr	Pwr	Pwr			Pwr	Pwr	Pwr	Pwr
	Mr B.S.S.Telesh	Jh	Jh	Jh	Jh	Jh	Jh				
	Dr M Prema Kumar	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
	Mr T Malleswara Rao	Pr	Pr		Pr	Pr	Pr	Pr	Pr	Pr	Pr

Sir C R Reddy College of Engineering, Eluru.
Department of ECE

*AICTE sponsored a two week Faculty Development Programme (FDP) on
"Bio-Medical Signal Processing"*

1st to 14th November 2019

Participant list

Attendance Sheets:

SI No	NAME	06-11-2019		07-11-2019		08-11-2019		09-11-2019		10-11-2019	
		FN	AN	FN	FN	FN	AN	FN	AN	FN	AN
	Mr Mullapudi Ramakrishna	de	de	de	de	de	de	de	de	de	de
	Mr Srinivas Yallapu	de	de	de	de	de	de	de	de	de	de
	Dr Rambabu Busi	de	de	de	de	de	de	de	de	de	de
	Dr K. Raju										
	Mrs. A Vijaya Shanthi	AV	AV			AV	AV	AV	AV	AV	AV
	Mr P.Sivakrishna	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS
	Mr P Venkateswararao	PVR	PVR			PVR	PVR	PVR	PVR	PVR	PVR
	Mr B.S.S.Telesh	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
	Dr M Prema Kumar	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
	Mr T Malleswara Rao		TM	TM	TM	TM	TM		TM	TM	TM

Sir C R Reddy College of Engineering, Eluru.
Department of ECE

AICTE sponsored a two week Faculty Development Programme (FDP) on
"Bio-Medical Signal Processing"

1st to 14th November 2019

Participant list

Attendance Sheets:

Sl No	NAME	06-11-2019		07-11-2019		08-11-2019		09-11-2019		10-11-2019	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr. J. Prasanth Kumar	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr. Mahammad firose shaik	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr. Atluri Sarath Raja	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mrs B.Nagasirisha	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr.Abdul Rahiman SK	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mrs. K. Shailaja	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr. K. Rajesh Babu	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr Pranob Kumar Charles	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Dr Poornaiah Billa	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mr. T. Chaithanya	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN

Sir C R Reddy College of Engineering, Eluru.
Department of ECE

AICTE sponsored a two week Faculty Development Programme (FDP) on
 "Bio-Medical Signal Processing"

1st to 14th November 2019

Participant list

Attendance Sheets:

SI No	NAME	06-11-2019		07-11-2019		08-11-2019		09-11-2019		10-11-2019	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
	Mrs A.V.P.Sarvari	Aup	Aup	Aup	Aup	Aup	Aup	Aup	Aup		
	Dr.B.S.Sathish	RS	RS	RS	RS	RS	RS	RS	RS		
	Mr. M.Kranthi	mkranthi	mkranthi	mkranthi	mkranthi	mkranthi	mkranthi	mkranthi	mkranthi	mkranthi	mkranthi
	Dr Maturi Ranga Rao	mr	mr	mr	mr			mr	mr	mr	mr
	Mr. B. LOKESWAR	lok	lok					lok	lok	lok	lok
	Mr. P Koteswara Rao	pkv	pkv	pkv	pkv	pkv	pkv	pkv	pkv	pkv	pkv
	Mr.R.Durga Prasad	Dyp	Dyp	Dyp	Dyp	Dyp	Dyp	Dyp	Dyp	Dyp	Dyp
	Mr. Arun Kumar D	Dae	Dae	Dae	Dae			Dae	Dae	Dae	Dae
	Mr.A.Ramesh	AR	AR	AR	AR	AR	AR			AR	AR
	Mr. Abdul Azeem	Az	Az	Az	Az	Az	Az			Az	Az

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU – 7
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
 AICTE Sponsored two week FDP on “Bio-medical Signal Processing & Applications”, 1st to 14th November 2019

Program schedule

Day/Date	Time	Resource Person/Guest	Venue	Topic
Friday 01-11-2019	9.30AM	INAUGURATION		
	11.15AM – 11.30AM	Tea break		
	<i>Session-1</i>			
	11.30AM to 1.00PM	Dr. P. Srihari Rao, Professor, NIT Warangal	AC Seminar Hall	Introduction to biomedical engineering
	1.00PM to 2.00PM	Lunch break		
	<i>Session – 2</i>			
	2.00PM to 3.15PM	Dr. Nagaraj, Manipal Hospitals	AC Seminar Hall	Innovations in medical devices through electronics
	3.15PM to 3.30PM	Tea break		
	<i>Session – 3</i>			
	3.30PM to 5PM	Dr. Nagaraj, Manipal Hospitals	AC Seminar Hall	Innovations in medical devices through electronics

Principal
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Day - 2

Saturday 02-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Hands on training by Dr. Nagraj, Manipal Hospitals	Computer Center	Biomedical sensors & devices in hospitals
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Hands on training by Dr. Nagaraj, Manipal Hospitals	Computer Center	Biomedical sensors & devices in Hospitals
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Dr. D.V.R Sharma, Professor, Anna University Chennai	AC Seminar Hall	Radiation and its effects on human bodies
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Dr. A. Radha Krishna, CEO - Thingtronics Bengaluru	AC Seminar Hall	Industrial (IOT) applications of biomedical engineering	

Day - 3

Sunday 03-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. P. Srihari Rao, Professor, NIT Warangal	AC Seminar Hall	Therapeutic and diagnostic instruments
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. D. V. R. Sharma, Professor Anna University, Chennai	AC Seminar Hall	Photonics in health care monitoring
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Dr. A. Radha Krishna, CEO, Thingtronics Bengaluru	AC Seminar Hall	Role of clinical engineers and biomedical engineers
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Dr. A. Radha Krishna, CEO, Thingtronics Bengaluru	AC Seminar Hall	Research & development in biomedical engineering	

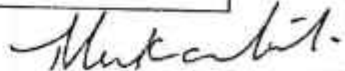

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Day - 4

Monday 04-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Hands on training by CODEGNAN Dr. T. Venkateswara Rao	Computer Center	Introduction to image processing - Open CV library Other packages
	10.30AM to 0.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Hands on training by CODEGNAN Dr. T. Venkateswara Rao	Computer Center	Introduction to Tensorflow
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by CODEGNAN Dr. T. Venkateswara Rao	Computer Center	Introduction to bio-medical imaging
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by CODEGNAN Dr. T. Venkateswara Rao	Computer Center	Creating a model in Tensorflow	

Day - 5

Tuesday 05-11-2019	<i>Session - 1</i>		
	9AM to 10.30AM	Dr. B. Leela Kumari, Assistant Professor JNTUK, Kakinada	Seminar Hall Biosensors and transducers
	10.30AM to 10.45AM	Tea break	
	<i>Session - 2</i>		
	10.45AM to 1.00PM	Dr. B. Leela Kumari, Assistant Professor JNTUK, Kakinada	Seminar Hall Biomedical signals and processing
	1.00PM to 2.00PM	Lunch break	
	<i>Session - 3</i>		
	2.00PM to 3.15PM	Hands on training by CODGNAN Dr. T. Venkateswara Rao	Computer Center Writing a code for one application related to biomedical
	3.15PM to 3.30PM	Tea break	
	<i>Session - 4</i>		
3.30PM to 5.00PM	Hands on training by CODGNAN Dr. T. Venkateswara Rao	Computer Center Writing a code for one application related to biomedical	


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Day - 6

Wednesday 06-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. Sandhya Cole, Professor, ANU, Guntur	AC Seminar Hall	Nano sensors for biomedical applications
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. Sandhya Cole, Professor, ANU, Guntur	AC Seminar Hall	Nano sensors for biomedical applications
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Dr. Sandhya Cole, Professor, ANU, Guntur	AC Seminar Hall	Biomaterials for artificial organs
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Dr. Sandhya Cole, Professor, ANU, Guntur	AC Seminar Hall	Biomaterials for artificial organs	

Day - 7

Thursday 07-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Hands on training by TECHLUENT Dr. T. Venkateswara Rao	Computer Center	Introduction to graphical system design using LabVIEW
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Hands on training by TECHLUENT Dr. T. Venkateswara Rao	Computer Center	Prerequisites for signal processing and implimentation in LabVIEW
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by TECHFLUENT Dr. T. Venkateswara Rao	Computer Center	Filter applications on biomedical signals using LabVIEW
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by TECHFLUENT Dr. T. Venkateswara Rao	Computer Center	Biosignal simulation and processing using LabVIEW	

T. Venkateswara Rao


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Day - 8

Friday 08-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. D. Ratan Sanjay, Scientist F, RCI Labs Hyderabad	AC Seminar Hall	Introduction to Bio-telemetry
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. D. Ratan Sanjay, Scientist F, RCI Labs Hyderabad	AC Seminar Hall	RF telemetry for biomedical applications
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by ANSYS Dr. T. Venkateswara Rao	Computer Center	Simulations on biomedical signals using HFSS
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by ANSYS Dr. T. Venkateswara Rao	Computer Center	Simulations on biomedical signals using HFSS	

Day - 9

Saturday 09-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. D. Ratan Sanjay, Scientist F, RCI Labs Hyderabad	AC Seminar Hall	Effects of EM radiation on human beings
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. D. Ratan Sanjay, Scientist F, RCI Labs Hyderabad	AC Seminar Hall	Biorobotics
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by ANSYS Dr. T. Venkateswara Rao	Computer Center	Simulations on biomedical signals using HFSS
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by ANSYS Dr. T. Venkateswara Rao	Computer Center	Simulations on biomedical signals using HFSS	

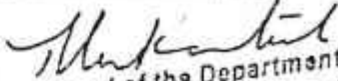

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Day - 10

Sunday 10-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. D. Ratan Sanjay, Scientist F, RCI Labs Hyderabad	AC Seminar Hall	Telemedicine and its advantages
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.30AM to 10.45AM	Dr. D. Ratan Sanjay, Scientist F, RCI Labs Hyderabad	AC Seminar Hall	Investigations and innovations in biomedical research
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by VI SOLUTIONS Dr. T. Venkateswara Rao	Computer Center	Engineering solutions using graphical systems design
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by VI SOLUTIONS Dr. T. Venkateswara Rao	Computer Center	LabVIEW graphical programming (Structures,Loops)	

Day - 11

Monday 11-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. P. Siddaiah Professor, ANU. Guntur	AC Seminar Hall	Transform techniques for biomedical signal processing
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. P. Siddaiah Professor, ANU, Guntur	AC Seminar Hall	Communication systems used for biomedical signals
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by VI SOLUTIONS	Computer Center	Introduction to biomedical Vernier sensors and interfacing of sensors using ELVIS and NI myDAQ
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by VI SOLUTIONS	Computer Center	Hands on & demo on NI VERNIER Sensors (Hand dynamometer, EKG, Heart rate monitor)	



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Day - 12

Tuesday 12-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. P. Siddaiah Professor, ANU, Guntur	AC Seminar Hall	Medical imaging and processing
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Hands on training by VI SOLUTIONS	Computer Center	Algorithms for medical imaging
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Hands on training by VI SOLUTIONS	Computer Center	Introduction to image processing using NI technology and image processing programming concepts
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
3.30PM to 5.00PM	Hands on training by VI SOLUTIONS	Computer Center	Introduction to image processing using NI technology and image processing programming concepts	

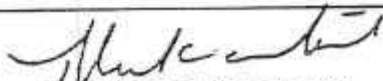
Day - 13

Wednesday 13-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. B.T.P. Madhav, Professor & Associate Dean KLU, Vijayawada	AC Seminar Hall	Design & development of wearable antennas for on body and implantable communication applications
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. P. Rajesh Kumar Prof. & BOS chairman AU, Visakhapatnam	AC Seminar Hall	Biosignal processing tools & algorithms
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Dr. P. Rajesh Kumar Prof. & BOS chairman AU, Visakhapatnam	AC Seminar Hall	Introduction to COMSOL tool
	3.15PM to 3.30PM	Tea break		
	<i>Session - 4</i>			
	3.30PM to 5.00PM	Dr. P. Rajesh Kumar Prof. & BOS chairman AU, Visakhapatnam	AC Seminar Hall	Fabrication of MEMs using COMSOL tool


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Day - 14

Thursday 14-11-2019	<i>Session - 1</i>			
	9AM to 10.30AM	Dr. P. Rajesh Kumar Prof. & BOS chairman AU, Visakhapatnam	AC Seminar Hall	Current research in biomedical engineering
	10.30AM to 10.45AM	Tea break		
	<i>Session - 2</i>			
	10.45AM to 1.00PM	Dr. P. Rajesh Kumar Prof. & BOS chairmanAU, Visakhapatnam	AC Seminar Hall	Feature extraction of physiological signals such as ECG,EMG,EEG etc. using MATLAB
	1.00PM to 2.00PM	Lunch break		
	<i>Session - 3</i>			
	2.00PM to 3.15PM	Dr. P. Rajesh Kumar Prof. & BOS chairmanAU, Visakhapatnam	AC Seminar Hall	Building VIs for acquisition and processing of ECG, EMG, EEG etc., signals using LabVIEW
	3.15PM to 3.30PM	Tea break		
	3.30PM to 5.00PM	VALEDICTORY		


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Sir C R REDDY COLLEGE OF ENGINEERING

Eluru- 534 007, West Godavari District, A.P., India.

(Permanently Affiliated to JNTUK, Kakinada)

AICTE SPONSERED TWO WEEK FDP ON

"BIO-MEDICAL SIGNAL PROCESSING AND APPLICATIONS"

1st to 14th Nov 2019

WEBSITE: www.sirerrengg.ac.in EMAIL: sirerr.ecchod@gmail.com



REPORT SUBMITTED

FDP Title: **"BIO-MEDICAL SIGNAL PROCESSING AND APPLICATIONS"**

Applied under: AQIS 2017-18

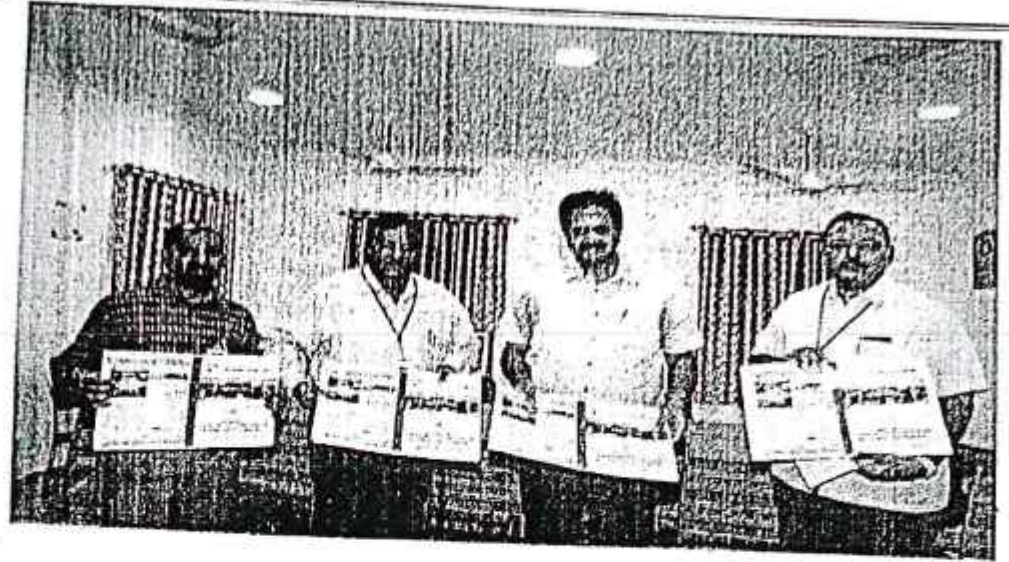
Ref: F.No.34-55/58/RIFD/FDP/Policy-1/2017-18

Name of the FDP Coordinator: **Dr Tumati Venkateswara Rao**

A two week faculty development programme - FDP under AICTE sponsorship was held at the Department of Electronics & Communication Engineering of Sir C R Reddy college of engineering during 1st to 14th Nov'2019. The FDP aims to provide opportunities to faculty members, research scholars and post graduate students to enrich their teaching skill and research in the field of Biomedical Engineering and Biomedical signal processing. The Programme also intends to develop the knowledge of participants for simulation with advanced software in the relevant field for inculcating learning values in students and guiding and monitoring their progress.

A Program Evaluation committee PEC is constituted on 19th September 2019 and regular meetings are convened time to time. Initially FDP broacher was released and a website/page in the college website along with a special web page for wide publicity. A letter head, invitation with FDP title was prepared and sent to various institutions for information. The schedule was released quite well before and made it available with the website for the selected candidates. Nearly 84 candidates are applied for the course and 54 members are registered. As per the PEC 54 are allowed for the course. However some of them are not regular to the classes and not good in the course end evaluation test. Finally 40 members are recommended by PEC for the FDP course completion and they were awarded by the

certificates at the time of Valedictory function. As per the directions and suggestions of the PEC the program was successfully completed.



Releasing of FDP brochure by Dr. R. Satish, Dr. G. Sambasiva Rao, Principal of Sir C R Reddy College of Engineering, Sri. Jasti Mallikarjunudu, Correspondent of Sir C R Reddy College of Engineering, Dr. T. Venkateswara Rao, FDP Coordinator & HOD - ECE. (From Left)

బ్రోచర్ విడుదల

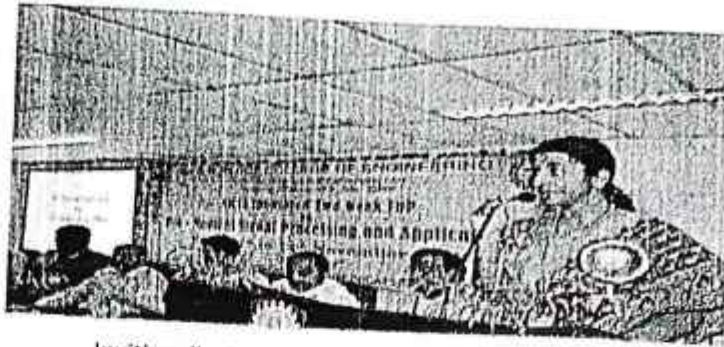
వట్లూరు (పెదపాడు), సెప్టెంబరు 9 : సర్వీసెఆరోగ్య ఇంజనీరింగ్ కళాశాలలోని ఈసీఈ విభాగం ఆధ్వర్యంలో నిర్వహించే బయోమెడికల్ సిగ్నల్ ప్రొసెసింగ్ అండ్ అప్లికేషన్ కార్యక్రమానికి సంబంధించిన బ్రోచర్ను కళాశాల కరస్పాండెంట్ జాస్తి మల్లికార్జునుడు సోమవారం విడుదల చేశారు. నవంబరు ఒకటో తేదీ నుంచి 14వ తేదీ వరకు ఏజీసీటీఐ ఢిల్లీ వారి స్పాన్సర్షిప్లో ఈ కార్యక్రమాన్ని నిర్వహిస్తున్నట్లు ప్రీన్స్పాల్ జి.సాంబ శివరావు తెలిపారు.

ఆంధ్రజ్యోతి

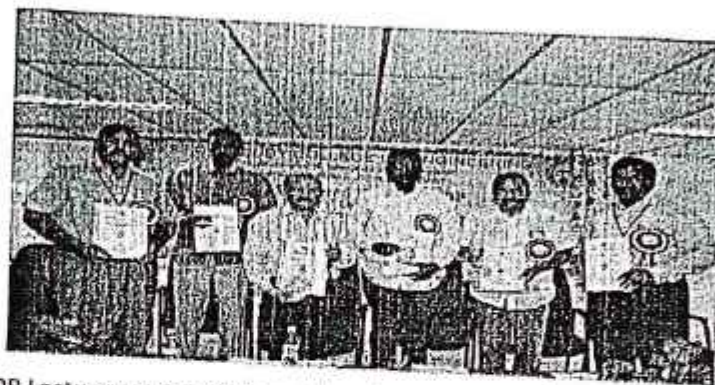
Tue, 10 September 2019

<https://epaper.andhrajyothy.com>

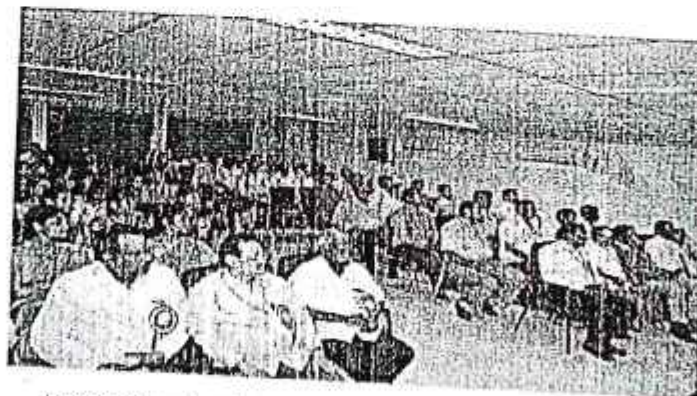




Inviting dignitaries on to the Dias during inaugural session



Releasing of FDP Lecture notes and Proceedings by the Chief Guests & Guest of Honor



Heads of various departments and participants

INAUGURAL SESSION:

The esteemed personalities present on the inauguration of the programme:

Sri. K. Sri. K. Subba Rao, Joint Secretary,

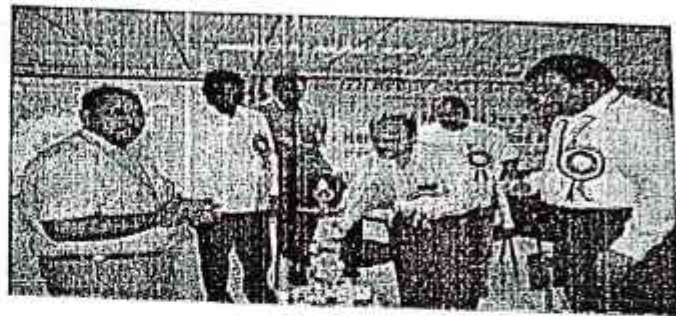
Sri. V. Raghu, Managing committee member

Sri. K. Harirama Krishnam Raju, Incharge correspondent,

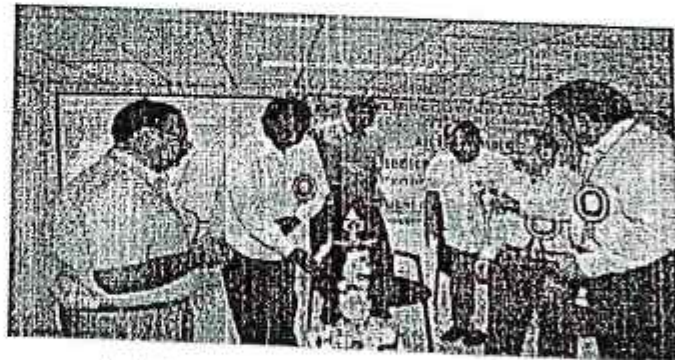
Prof.(Dr.) P. Sreehari Rao, NIT

Prof.(Dr.) G.Sambasiva Rao, Principal

Prof.(Dr.) T. Venakateswara Rao, HoD-ECE & Coordinator of FDP



Lightning of the lamp by the dignitaries



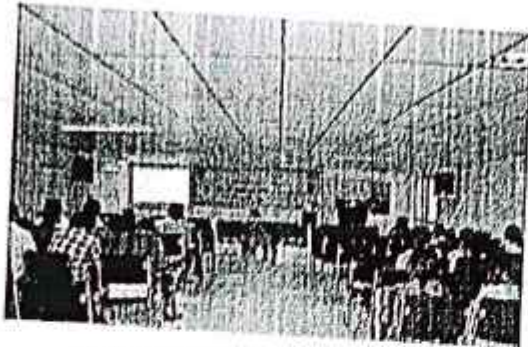
Lightning of the lamp by the dignitaries

Prof. (Dr.) T. Venkateswara Rao, HOD of ECE welcomed all the respected d participants. Prof.(Dr.) G.Sambasiva Rao, Principal of Sir C R Reddy college o appreciated the program organized by ECE dept in his speech and highlighted AICTE such type of programme. Prof.(Dr.) P. Sreehari Rao, Dean, R&D of NIT encouraged suc delivered key note address and also emphasized the benefits of such kind of resource'

TECHNICAL SESSIONS:

1st Day (01/11/19) Session I:

Prof. (Dr.) P. Sreehari Rao, Dean, R&D of MIT has delivered keynote address on "Low power integrated CMOS technology for biomedical applications". In this session participants were learned the application of VLSI technology for processing biomedical signals and removal of artifacts. He also addressed some recent research perspectives on biomedical signal processing.



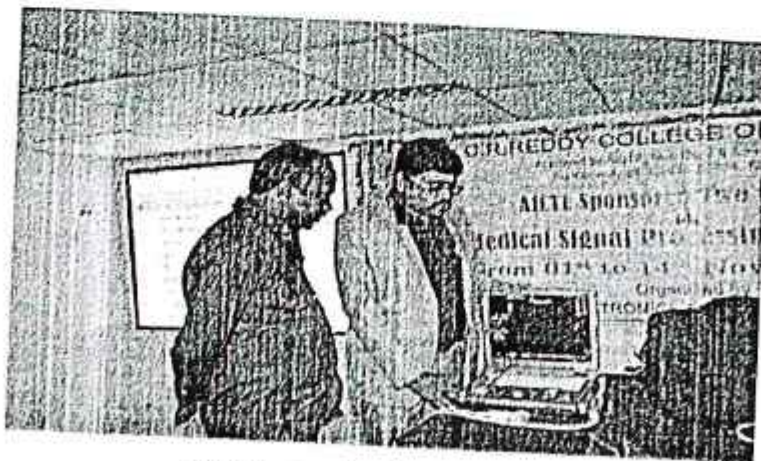
Session talk by Dr. P. Sreehari Rao



Felicitation to Dr. P. Sreehari Rao

1st Day (01/11/19) Session II:

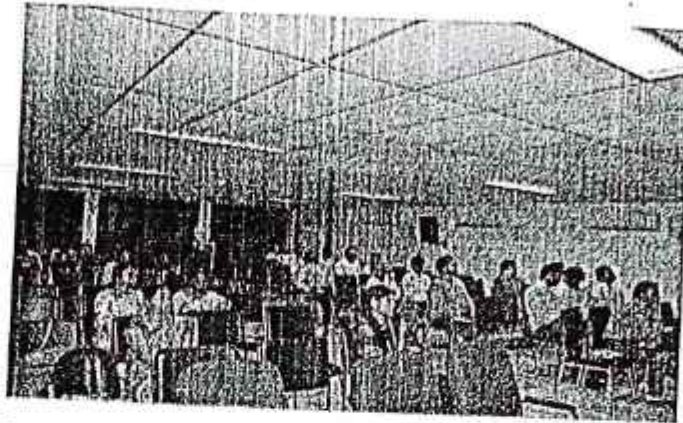
Prof.(Dr.) B. Nagraj, Department of Cardiology in Manipal Hospitals has delivered a interactive lecture on "Medical device technology". In this session participants were learned the innovations in medical devices and biomedical instrumentation systems and real time diagnosis with medical devices such as ECG, USG, BP measurements etc.,



Hands on session by Dr. B. Nagraj

2nd Day (02/11/19) Session I:

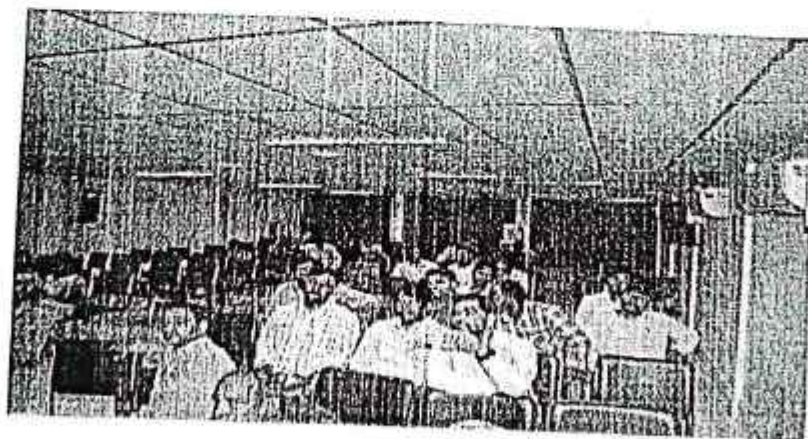
An informative lecture on "Photonics in health care monitoring" was discussed by Prof. Dr. D.V.R Sarma, Anna University of Chennai. In this session participants were learned the invasive and non-invasive measurements and effects of radiation on human bodies.



Participants during the session talk by Dr. D. V. R. Sarma

2nd Day (02/11/19) Session II:

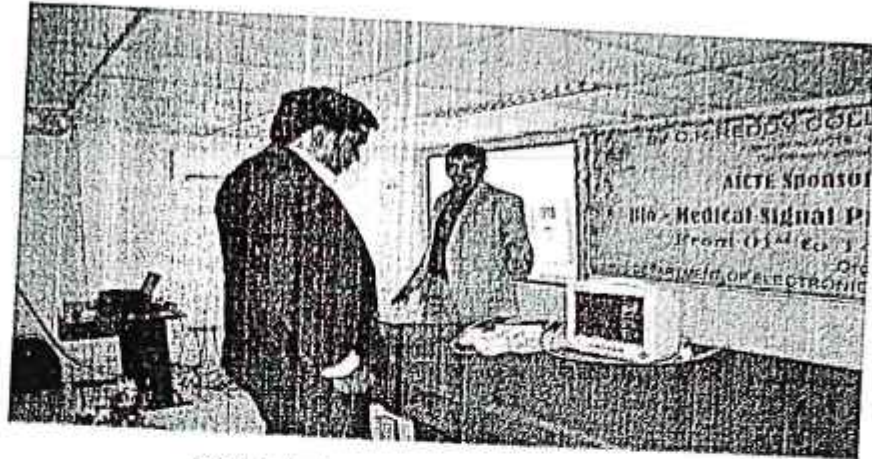
Dr. A. Radhakrishna, CEO of thingTRONICS has delivered a informative lecture on "IOT applications of Biomedical engineering". In this session participants were taught IOT applications in Biomedical engineering and research perspectives in industries.



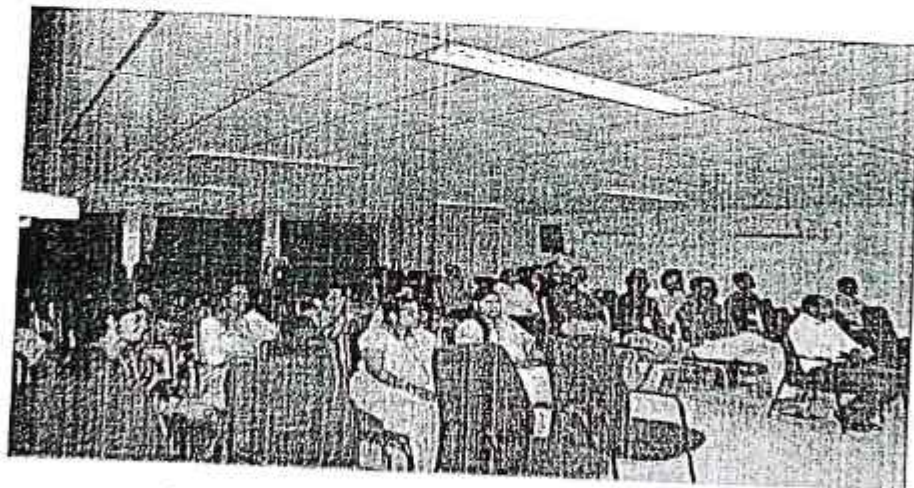
Participants during Session talk by Dr. A. Radha Krishna

3rd Day (03/11/19) Sessions I & II:

A demonstration on medical devices in hospitals by (Dr.) Nagraj, Department of Cardiology in Manipal Hospitals. The participants were trained with biomedical electronic devices.



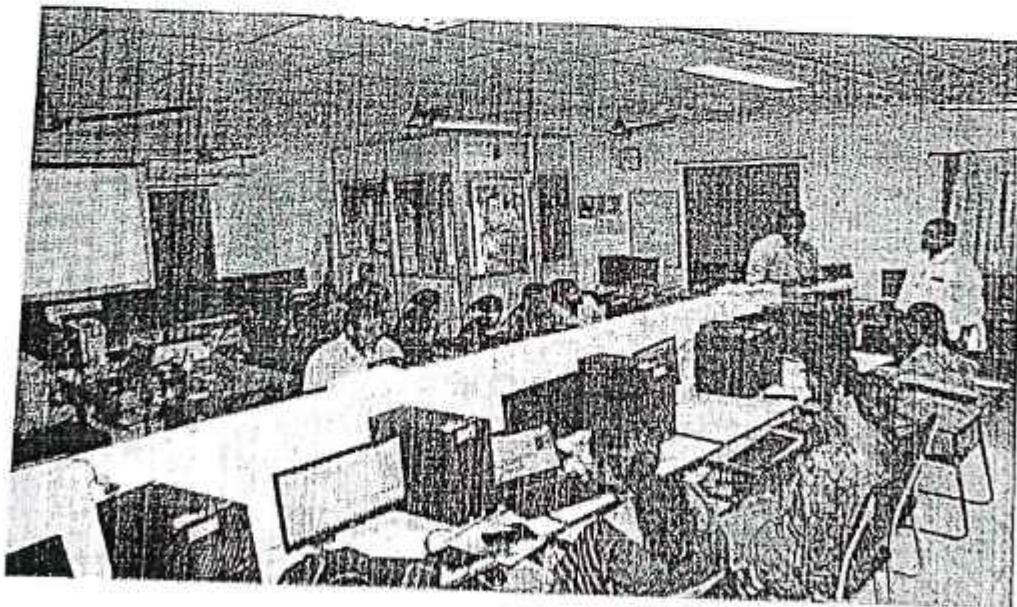
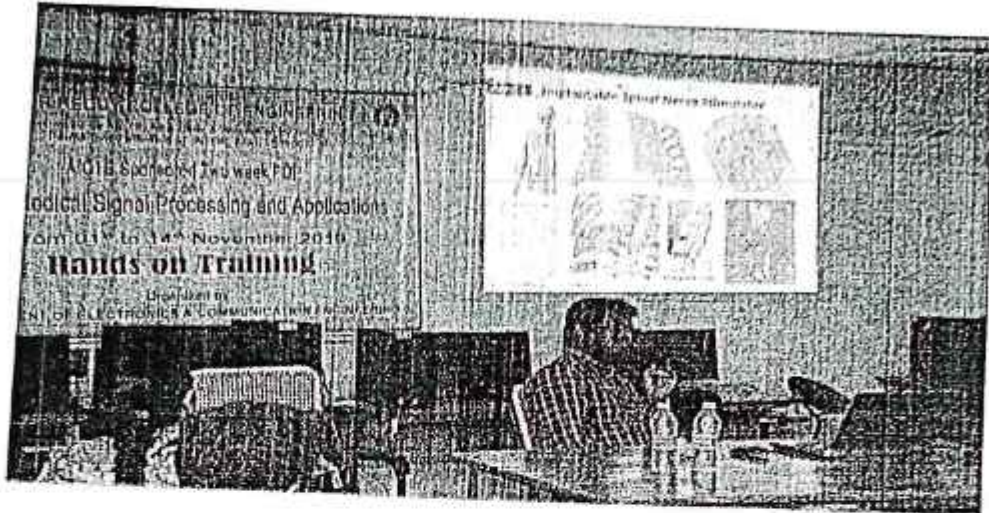
Demonstration on medical devices



Attention of participants to demonstration

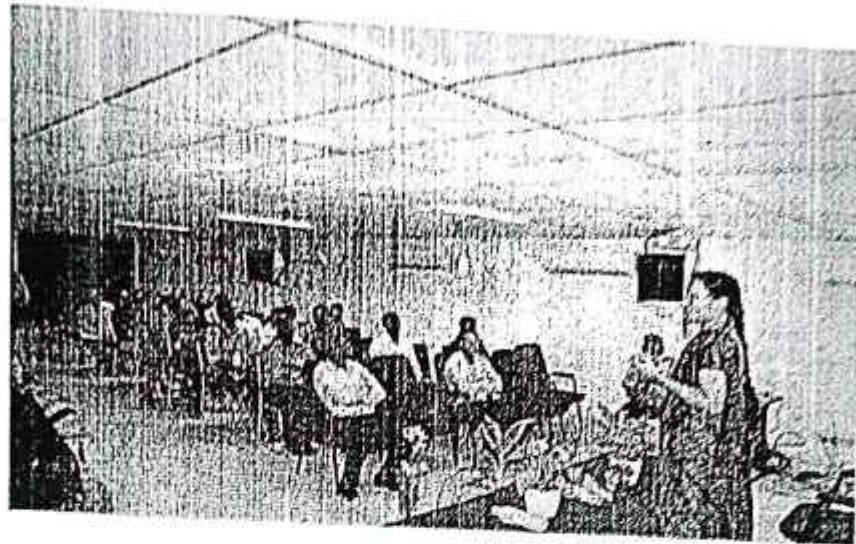
4th Day & 5th Day (04/11/19 & 05/11/19) Hands on sessions:

Prof. (Dr.) T. Venkateswara Rao in association with Mr. Karthikeyan from ANSYS have presented HFSS tools for biomedical applications and given hands on training for the design and development of wearable and implantable antennas for biomedical applications.

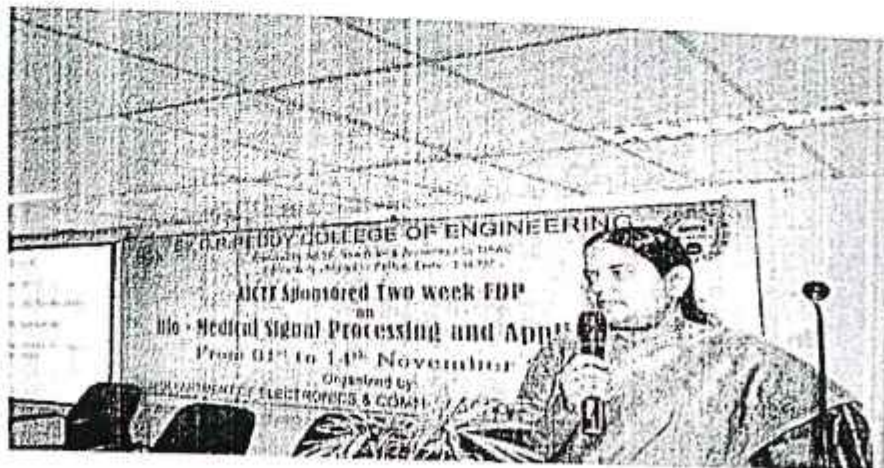


6th Day & 7th Day (06/11/19 & 07/11/19) sessions:

Prof. (Dr.) B. Leela Kumari, Department of ECE from JNTUK has delivered an interactive lecture on biomedical signals, biomedical artifacts, filtering techniques for the removal of artifacts.

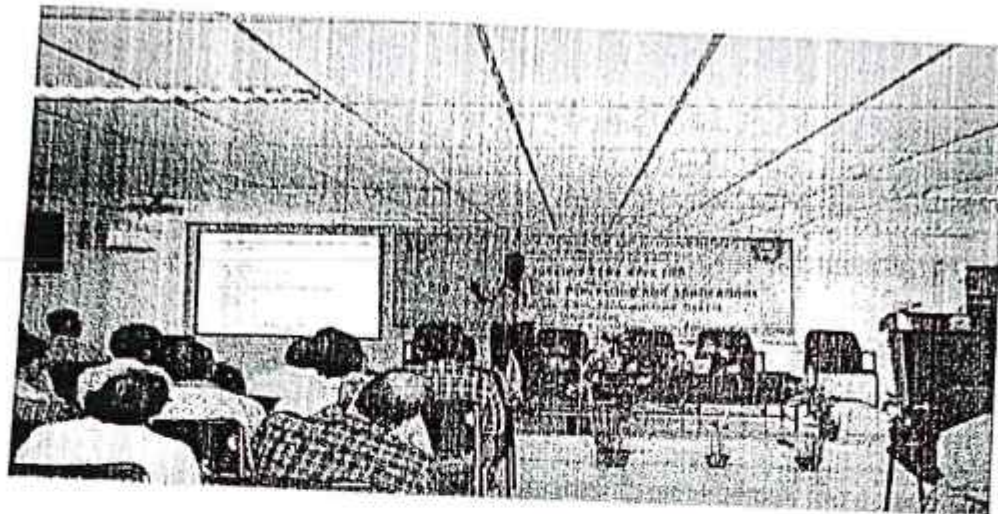


Prof. (Dr.) Sandhya Cole, Department of ECE from ANU has delivered an interactive lecture on Nano sensors and transducers for biomedical applications. An interactive session took place among researchers on artificial biomaterials and recent research on biomaterials



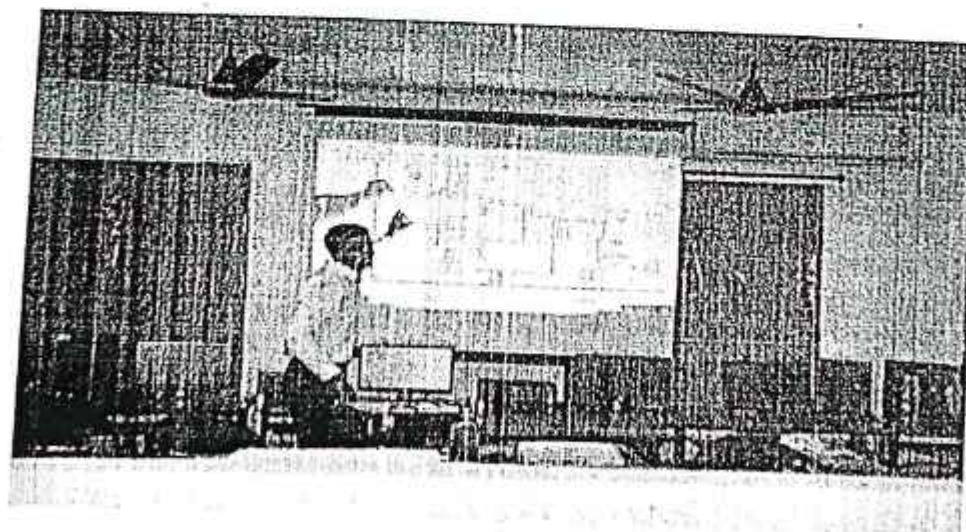
8th Day (08/11/19) Session I:

Dr. D. Ratan Sanjay, Scientist F, RCI Labs, Hyderabad has delivered an interactive lecture on RF telemetry for transmission of biomedical signals. The participants were taught some important biomedical projects on biorobotics and communications.



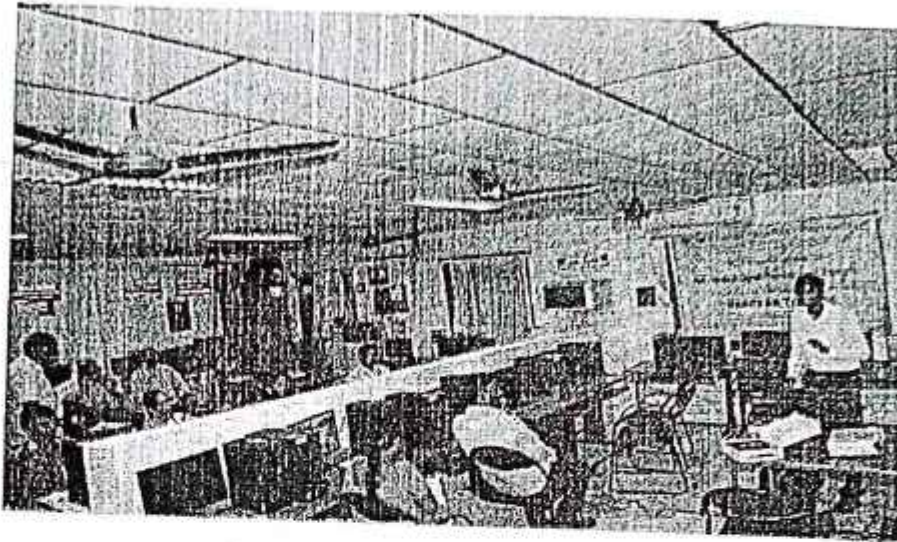
8th Day (08/11/19) Session II: Hands on session:

Mr. Rohith from Trident Techlabs has presented a session on biomedical signal acquisition using LabVIEW. The participants were trained to acquire bio-signals and processing of bio signals using LabVIEW.



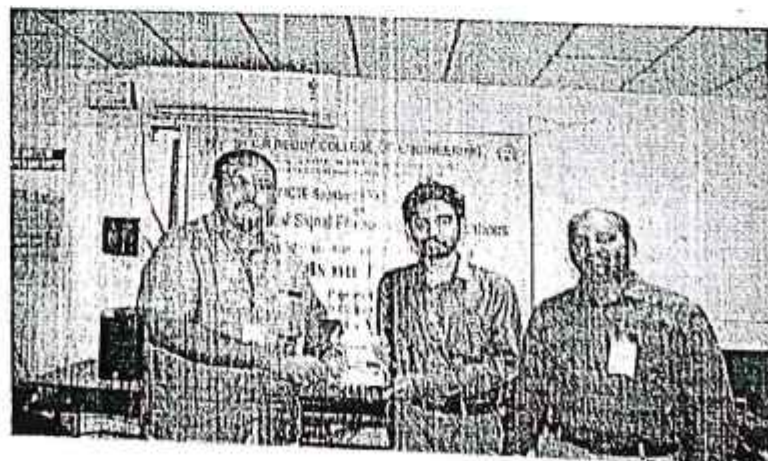
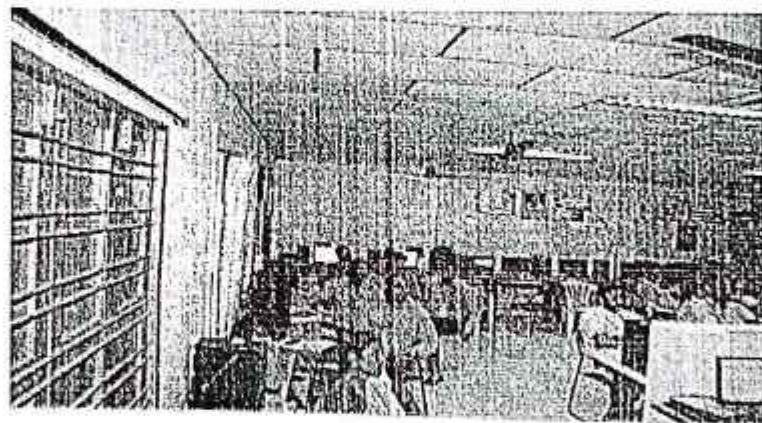
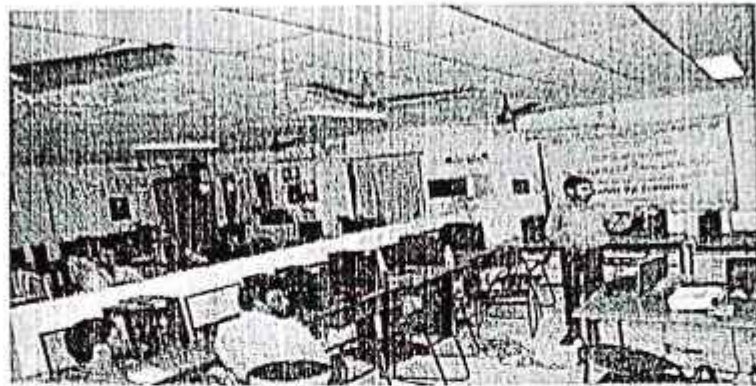
9th Day (09/11/19) Hands on Session:

Mr. Rohith from Trident Techlabs has presented a session on biomedical signal acquisition using LabVIEW. The participants were trained to acquire bio-signals and processing of bio signals using LabVIEW.



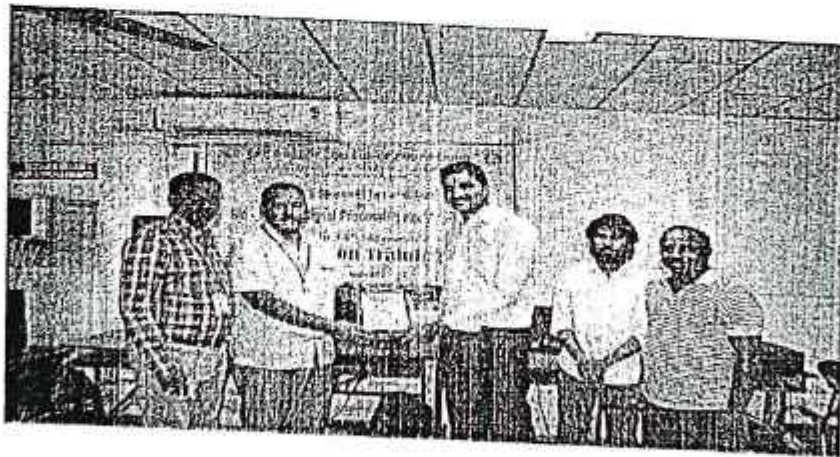
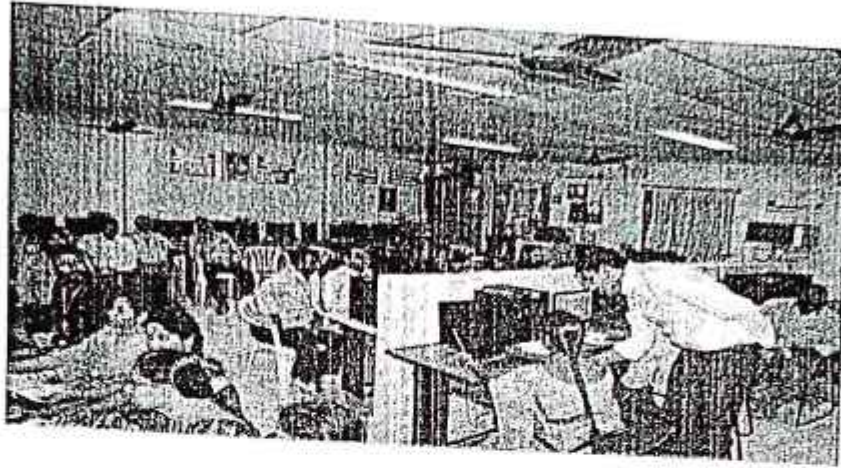
10th Day & 11th Day (10/11/19 & 11/11/19) Hands on Session:

Mr. R. Raj Kumar from VI Solutions, Bengaluru has delivered presented hands on demo session on NI VERNIER Sensors and interfacing of sensors using myRIO and MyDAQ.



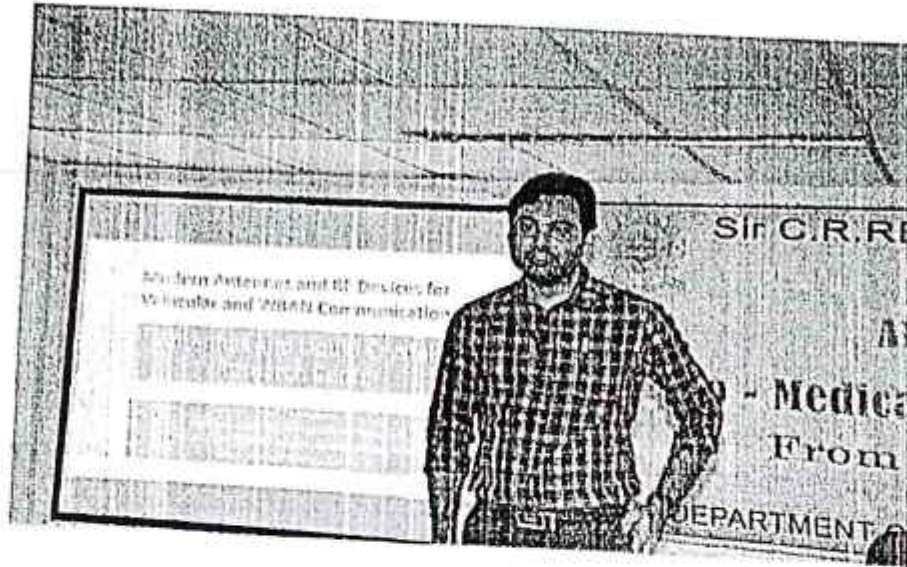
12th Day & 13th Day (12/11/19 & 13/11/19) Hands on Session:

Mr. U. Sairam of CODEGNAN has delivered hands on session and demo on Python programming for biomedical signal and image processing. The participants were trained with simulations on signals and biomedical images.



14th Day (14/11/19) Session 1:

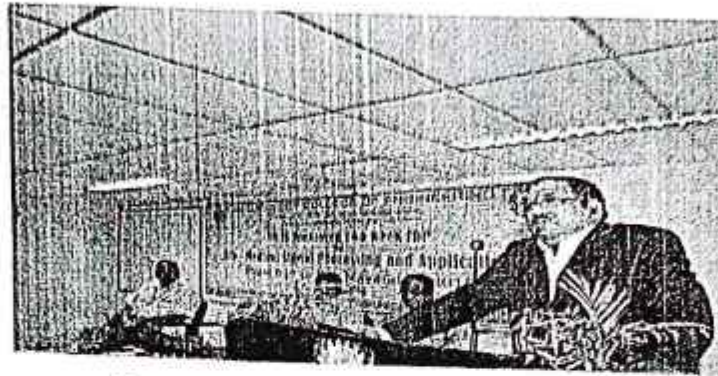
Prof. (Dr.) B.T.P. Madhav, Department of ECE from KLU has delivered an interactive lecture on research perspectives and projects on biomedical engineering. The participants were enlightened on project funding by funding organizations..



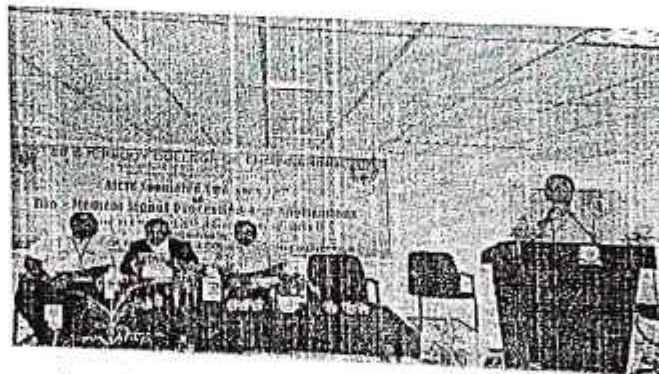
PEC committee visit to the venue during course end exam

VALEDICTORY SESSION:

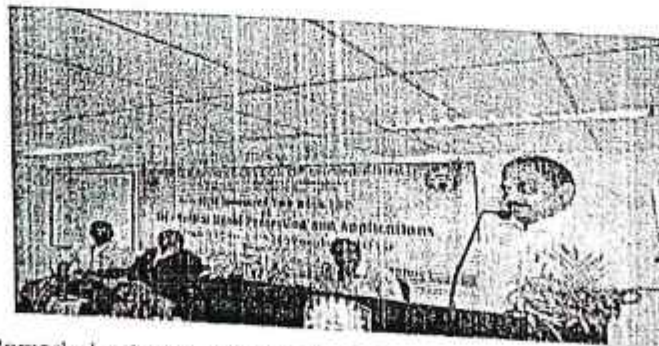
The honorable personalities present in this occasion were Prof.(Dr.) P. Siddaiah , Dean ,Department of ECE,ANU, Prof.(Dr.) K. Venkateswara Rao, Incharge Principal, Sir C R Reddy college of engineering, Eluru, Sri. K. Harirama Krishnam Raju, Incharge Correspondent, Sir C R Reddy college of engineering Prof.(Dr.) T. Venkateswara Rao, HoD- ECE Dept., & Coordinator of the FDP.



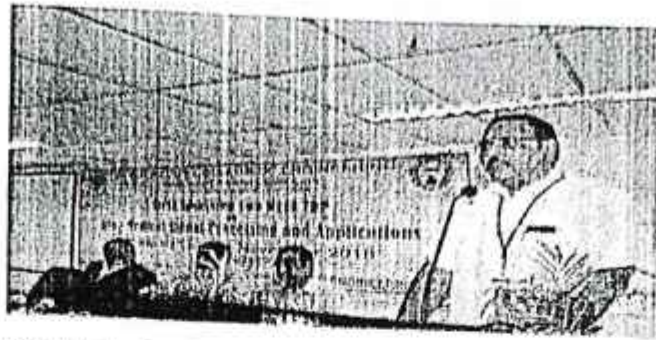
Key note address by Prof. (Dr.) P.Siddaiah



Remarks by PEC member Dr. K. Venkateswara Rao



Remarks by the correspondent of Sir C R Reddy College of Engg.



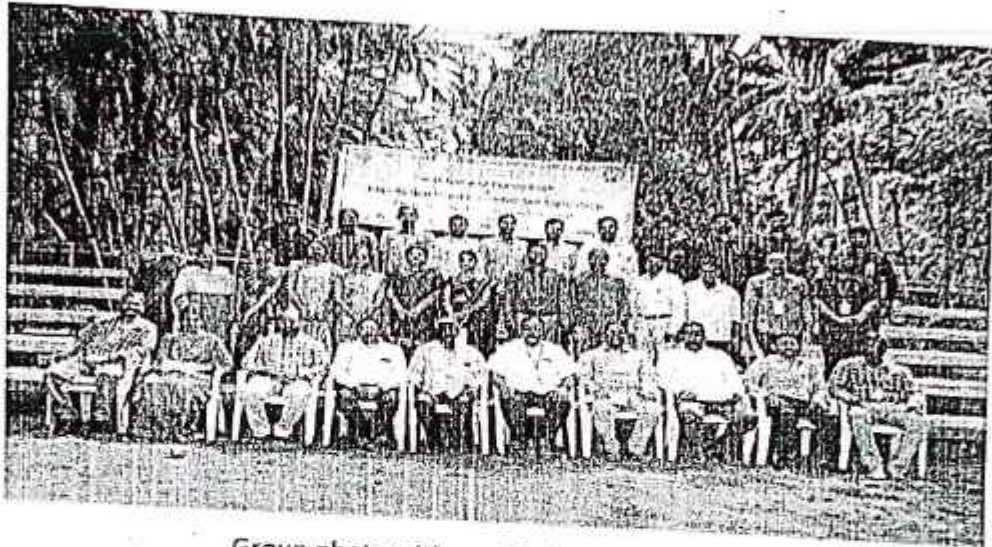
Remarks by the FDP Coordinator Dr. T. Venkateswara Rao



Dignitaries on the Dias during valedictory

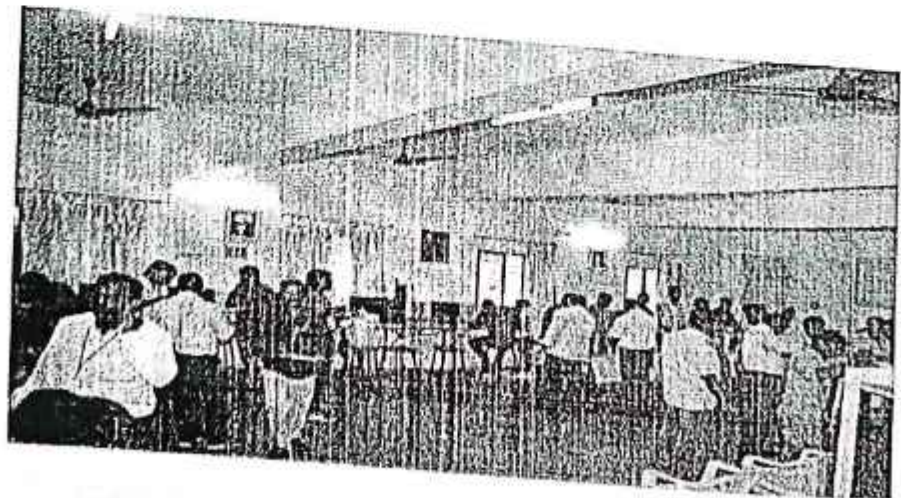
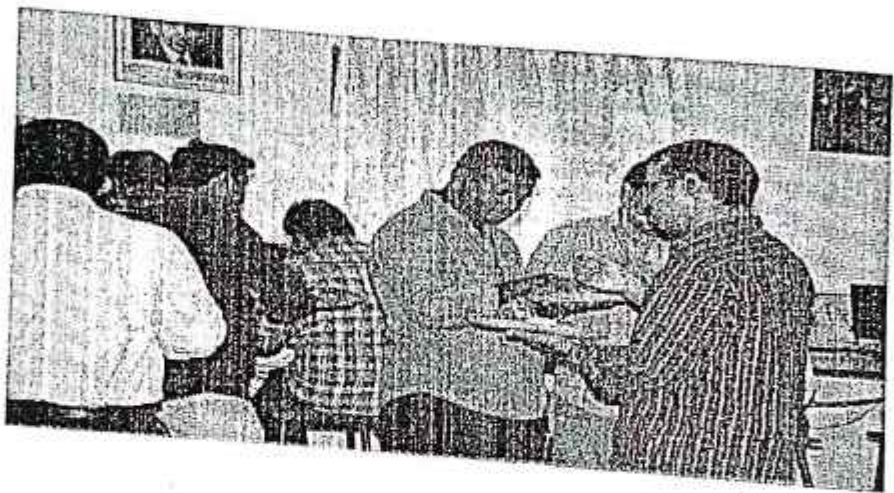
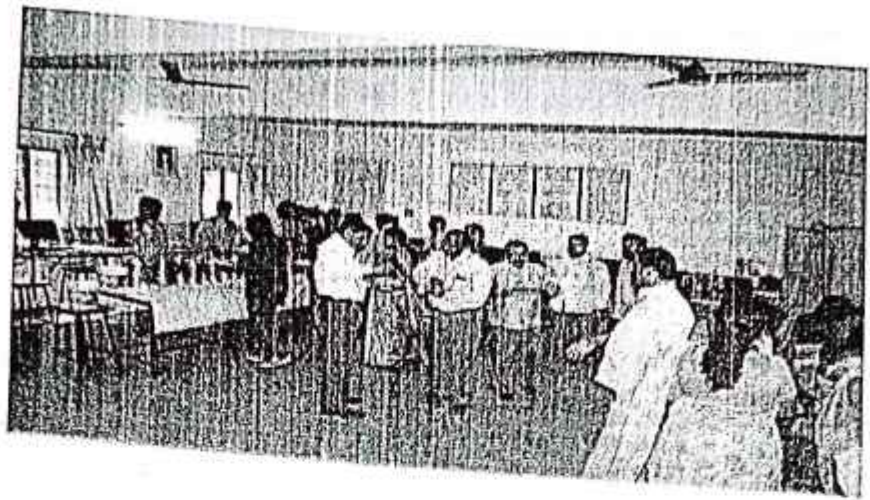
OUTCOME :

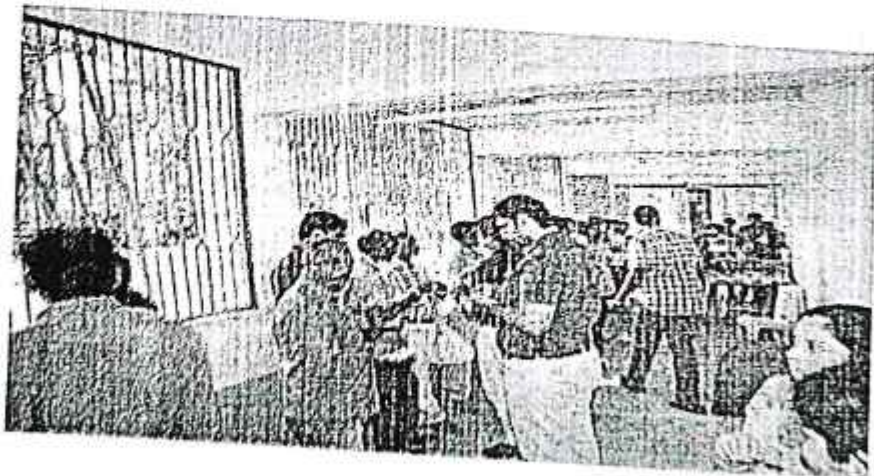
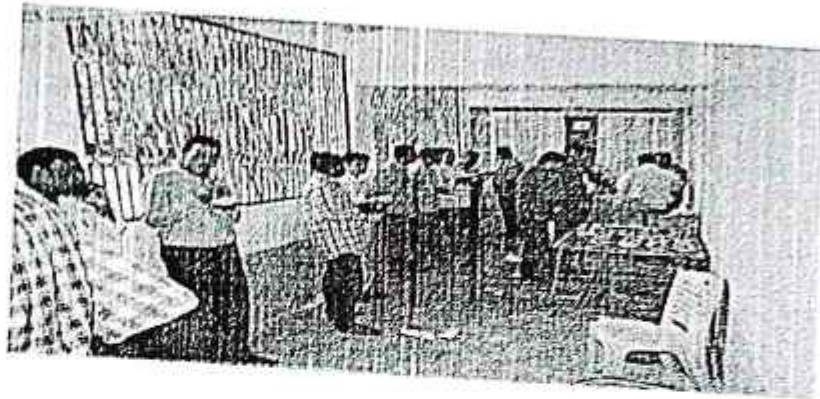
All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity and placement opportunity.



Group photo with qualified participants

Some snap shots during snacks & Lunch during the break sessions:





[Handwritten signature]

Principal
SIR C.R.P. COLLEGE OF ENGINEERING
ELURU - 534 007.

[Handwritten signature]

FDP Coordinator
Dr. T.Venkateswara Rao
PhD(AHU), PhD(JNTUK), M.Tech.
Prof & HOD
Electronics & Communication Engg.
SIR C.R.Reddy College of Engg
Eluru 534 007



AICTE Sponsored Two Week FDP
ON
Bio - Medical Signal Processing And Applications



Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SIR C R REDDY COLLEGE OF ENGINEERING, ELURU-534007

Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada



Miranji Katta

*This is to certify that _____ of
_____ Sir C R Reddy College of Engineering _____ has participated in AICTE Sponsored Two Week
Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by
the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and
attained the grade _____ in the qualifying test.*

Dr. T. Venkateswara Rao
Dr. T. Venkateswara Rao
Program Co-ordinator
Professor & HOD

Dr. G. Sambasiva Rao
Dr. G. Sambasiva Rao
Principal

19-20



AICTE Sponsored Two Week FDP

ON

Bio - Medical Signal Processing And Applications



Organized by

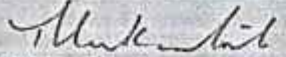
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


SIR C R REDDY COLLEGE OF ENGINEERING, ELURU-534007

Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada

Certificate

This is to certify that Mrs. V. VAMSI SUDHEERA of
Sir C R Reddy College of Engineering has participated in AICTE Sponsored Two Week
Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by
the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and
attained the grade _____ in the qualifying test.


Dr. T. Venkateswara Rao
Program Co-ordinator
Professor & HOD


Dr. G. Sambasiva Rao
Principal

18-20
V/S



AICTE Sponsored Two Week FDP

ON

Bio - Medical Signal Processing And Applications



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This is to certify that Mr. A .RAM KUMAR of
Sir C R Reddy College of Engineering has participated in AICTE Sponsored Two Week
Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by
the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and
attained the grade in the qualifying test.

Dr. T. Venkateswara Rao
Dr.T.Venkateswara Rao
Program Co-ordinator
Professor & HOD

Dr. G. Sambasiva Rao
Dr.G. Sambasiva Rao
Principal

19-20

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AICTE Sponsored Two Week FDP

ON

Bio - Medical Signal Processing And Applications



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This is to certify that Mr. M. VAMSI KRISHNA ALLU of Sir C R Reddy College of Engineering has participated in AICTE Sponsored Two Week Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and attained the grade _____ in the qualifying test.


Dr. T. Venkateswara Rao
Program Co-ordinator
Professor & HOD


Dr. G. Sambasiva Rao
Principal

19-20



AICTE Sponsored Two Week FDP
ON



Bio - Medical Signal Processing And Applications

2019-20

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This is to certify that Mrs.V . SWATHI of
Sir C R Reddy College of Engineering has participated in AICTE Sponsored Two Week
Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by
the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and
attained the grade _____ in the qualifying test.


Dr.T.Venkateswara Rao
Program Co-ordinator
Professor & HOD


Dr.G. Sambasiva Rao
Principal

19-20



AICTE Sponsored Two Week FDP

ON

Bio - Medical Signal Processing And Applications



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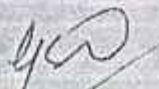
SIR C R REDDY COLLEGE OF ENGINEERING, ELURU-534007

Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada

Certificate

This is to certify that Mr. V. RANJITH KUMAR of
Sir C R Reddy College of Engineering has participated in AICTE Sponsored Two Week
Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by
the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and
attained the grade in the qualifying test.


Dr. T. Venkateswara Rao
Program Co-ordinator
Professor & HOD


Dr. G. Sambasiva Rao
Principal

19-20

VSK



AICTE Sponsored Two Week FDP
ON
Bio - Medical Signal Processing And Applications

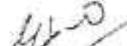


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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SIR C R REDDY COLLEGE OF ENGINEERING, ELURU-534007
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada



This is to certify that Mr. M. NARENDRA KUMAR of
Sir C R Reddy College of Engineering has participated in AICTE Sponsored Two Week
Faculty Development Programme on "Bio-Medical Signal Processing and Applications" organized by
the Department of Electronics & Communication Engineering during 1st-14th November, 2019 and
attained the grade _____ in the qualifying test.


Dr. T. Venkateswara Rao
Program Co-ordinator
Professor & HOD


Dr. G. Sambasiva Rao
Principal

**SIR CR REDDY COLLEGE OF ENGINEERING
P.G.COURSES**

DEPARTMENT OF MANAGEMENT STUDIES

DATE: 17-10-2019

CIRCULAR

This is to inform to all faculty of **SIR CRR COLLEGE OF ENGINEERING**, that a faculty development program on **RESEARCH METHODOLOGY** will be held at library seminar hall from 03-11-2019 TO 08-11-2019. For further details please contact V.Sandeep (coordinator) assistant professor department of management studies.


PRINCIPAL

Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

Copy to:

- 1) The correspondent
- 2) The Member, Management Committee, Designated Representative
- 3) All the HODS

CSE AI&DS	ECE	EEE	IT	MECH	CIVIL	OFFICE

APPLICATION FORM

1. Name
2. Designation
3. Institution
4. Email
5. Mobile Number
6. Educational qualification:
7. Subjects taught so far:
8. No. Of refresher courses/Workshops attended:
9. Experience(In years):
10. Accommodation required : YES /NO

DECLARATION

The Information Provided Is True As The Best Of My Knowledge. If selected, I Agree to abide by the Rules and regulations.

ELIGIBILITY:

The program is opened to the faculty of MBA, Engineering College and BBA.

Registration Fee: Rs.1200/-

Spot Registration

ADDRESS FOR CORRESPONDENCE

V.Sandeep,
Asst. Professor,
Sir Crr College Of Engineering,
MBA Dept,
Vatluru, Eluru.
Email:
crr.vsandeep@gmail.com

Contact: 9441695981

SPEAKERS OF THIS PROGRAMME

M.Ratnakar

(Asst.prof,Vice Principal of Sir CRR Autonomous College)

M.MadhavaRao

(Asst.prof, CSE Department,Sir CRR Engg)

B.LalithaBhavani

(Asst.prof, IT Department SirCRREngg)

M.V.D.V.Prasad

(HOD, Computer Science, Sir CRR AutonomousCollege)

Ch.Greeshma

(ECE, Assistant Professor, Sir CRR College Of Engg)

Dr.M.Krishna

(Professor, CSE)



FACULTY DEVELOPMENT PROGRAMME (FDP) ON RESEARCH METHODOLOGY 03-11-2019 TO 08-11-2019



**Organized by
Department of MBA**

SIR C.R.REDDY COLLEGE OF ENGINEERING
(approved by AICTE & Affiliated to JNTUK, Kakinada)Vatluru,
West Godavari District, Andhra Pradesh – 534007

Phone: 08812-230840

Fax: 08812-224193

E-Mail:principal.sircrrengg@gmail.com

Website:www.sircrrengg.ac.in

ABOUT COLLEGE

Sir C.R.Reddy College of Engineering is the first Engineering College in Andhra Pradesh sanctioned and

recognized by All India Council for Technical Education (AICTE). This college is permanently affiliated to JNTUK from the Academic Year 2017-18.

Since its inception in 1989, Sir C.R.REDDY College of Engineering has been a premier institute for quality engineering education in Andhra Pradesh under the stewardship of its broad minded and management. The last Two and a half decades has seen the Institute fulfilling its motto of 'QUALITY SERVICE 7 VALUE BASED EDUCATION' to the student community.

Adhering to its core values, the institute gives top priority to ethical values and high standards and a commitment to value based education. We believe in working honestly and sincerely, in building trust and in maintaining a long lasting relationship with the society. Our team comprises of highly qualified and motivated faculty. Core competence and a friendly but efficient work culture play an important role in our overall achievements.

ABOUT DEPARTMENT

The Post graduate department of management studies at Sir C.R.Reddy College of Engineering was started in 2007. It has a two - year full time M.B.A. programme, approved by AICTE and affiliated to Andhra University. This department aims at producing quality management professional to the Nation. Its quest is to prepare managers that are professionally competent, ethically conscious and socially responsible to cater to the present day needs of the business and the society. The objective of this department is to develop exemplary Individuals both in profession and in society. The emphasis therefore is not only on academics but also on the overall development of the individual. To ensure this the student is exposed to a rigorous training programme in circular and co-curricular activities. There are 7 Faculty members in the department who are eminently qualified and experienced representing all major streams of management disciplines. The department is a composition of the well experienced and energetic youth. So far the management has incurred Rs.6 lakhs to purchase the books, Rs.18 lakhs to purchase the computers and 5 lakhs to purchase the furniture equipment.

OBJECTIVES OF THE PROGRAM:

How To Select Research Project

How To Perform Literature Review

Methods for data collection

Data analysis

Research Design(Qualitative, Quantitative Experimental)

Overview of qualitative research

Sampling techniques

Multiple Regression Analysis

Ethics in research

Qualitative Data Analysis using Software

Measurement scales

Writing a research proposal

SIR C.R.REDDY COLLEGE OF ENGINEERING, ELURU
P.G.COURSES
DEPARTMENT OF MANAGEMENT STUDIES
Attendance Sheet for FDP on Research Methodology
for A Y 2019-2020 from 03-11-2019 to 08-11-2019

S.NO	Name of the Faculty	Designation	Signatures					
			3-11-19	4-11-19	5-11-19	6-11-19	7-11-19	8-11-19
21	Dr.S Krishnamurthy Naidu	Assoc.Prof	S.K.Naidu	S.K.Naidu	S.K.Naidu	S.K.Naidu	S.K.Naidu	S.K.Naidu
22	D.Satya Narayana	Asst.Prof	D.S.M	D.S.M	D.S.M	D.S.M	D.S.M	D.S.M
23	Dr.K.Rambabu	Assoc.Prof	K.Rambabu	K.Rambabu	K.Rambabu	K.Rambabu	K.Rambabu	K.Rambabu
24	Sk.Jahcerunnisa Begum	Asst.Prof	Sk.Jah	Sk.Jah	Sk.Jah	Sk.Jah	Sk.Jah	Sk.Jah
25	Ch.Madhavi Latha	Asst.Prof	Ch.M	Ch.M	Ch.M	Ch.M	Ch.M	Ch.M
26	T.Dileep	Asst.Prof	T.D	T.D	T.D	T.D	T.D	T.D
27	P.Devi	Asst.Prof	P.Devi	P.Devi	P.Devi	P.Devi	P.Devi	P.Devi
28	N.Sateesh	Asst.Prof	Sateesh	Sateesh	Sateesh	Sateesh	Sateesh	Sateesh
29	V.Sandeep	Asst.Prof	V.Sandeep	V.Sandeep	V.Sandeep	V.Sandeep	V.Sandeep	V.Sandeep
30	Ch.Sowjanya	Asst.Prof	Ch.Sowjanya	Ch.Sowjanya	Ch.Sowjanya	Ch.Sowjanya	Ch.Sowjanya	Ch.Sowjanya
31	B.Soban Babu	Assoc.Prof	B.S.Babu	B.S.Babu	B.S.Babu	B.S.Babu	B.S.Babu	B.S.Babu
32	N.Sirisha Sravani	Assoc.Prof	N.S.Sravani	N.S.Sravani	N.S.Sravani	N.S.Sravani	N.S.Sravani	N.S.Sravani
33	T.Nalini	Assoc.Prof	T.Nalini	T.Nalini	T.Nalini	T.Nalini	T.Nalini	T.Nalini
34	K.Lakshmi Alekhya	Assoc.Prof	K.L.Alekhya	K.L.Alekhya	K.L.Alekhya	K.L.Alekhya	K.L.Alekhya	K.L.Alekhya
35	N.Koteswara Rao	Assoc.Prof	N.K.Rao	N.K.Rao	N.K.Rao	N.K.Rao	N.K.Rao	N.K.Rao

V.Sandeep
Coordinator

KUSUL
HOD,MBA
Head of the Department
Department of MBA
Sir C R Reddy College of Engineering
ELURU - 534 007



A Y 2019-2020

FDP ON "Research Methodology" Day wise Schedule

DAY 1

SESSION I

- Preparation for research and review of literature
- Introduction to Research
- Conducting are view of literature
- Identification of Research problems
- How to set objectives of research?
- How to develop Questionnaire?
- How to identify research gap?

SESSION II

- Data collection, Primary and Secondary data
- Introduction to Statistics
- Software packages-5p55 Rand others
- SP55-Introduction
- Data entry, Merging cases and Variables
- Data cleaning and dealing with Missing values

DAY 2

SESSION I

- Measure of central tendency
- Assumptions of Normality, Variability and Shape
- Measurement and scaling
- Sampling Design and Procedure

SESSION II

- From research question to hypothesis
- Sampling distributions
- Crafting of hypothesis
- Types of hypothesis
- How to set alternative hypothesis
- Level of significance
- Descriptive statistics- Using frequencies, descriptive, explore, cross tabs function

DAY 3

SESSION I

- Non Parametric and parametric tests

SESSION II

- Correlation-Bivariate, Partial and Conical
- Linear Regression

DAY 4

SESSION I

- Multivariate Regression
- Regression with dummy variables

SESSION II

- Measuring interaction effect in regression
- Logistic Regression
- Discriminant Analysis

DAY 5

SESSION I

- Introduction to Factor Analysis
- Exploratory Factor Analysis (EFA) and Confirmatory factor analysis(CFA)
- Hand on practice session

SESSION II

- Cluster Analysis

DAY 6

SESSION I

- Introduction to SEM
- Testing of statistical assumptions and addressing common method bias
- Reliability and validity testing, structural model assessment
- Path analysis(Direct, Indirect)
- Boot strapping

SESSION II

- Hand on practice(AMOS)
- Writing and discussion of SEM results in research papers
- Moderated Mediation and Multi group Analysis



SIR CR REDDY COLLEGE OF ENGINEERING
ELURU-534007, WEST GODAVARI DISTRICT, ANDHRA
PRADESH, INDIA
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Permanently affiliated to JNTUK, Kakinada)
Telephone No: 08812-230840, 230565, Fax: 08812-224193
Website: www.sircrrengg.ac.in



Dt: 09-11-2019

DEPARTMENT OF MANAGEMENT STUDIES

Program Report

Academic Year: 2019-2020

Name of the Event: Faculty Development Program on “Research Methodology”
from 03-11-2019 to 08-11-2019.



Program Report: Faculty Development Program on Research Methodology.

Introduction:

The department of MBA of Sir CR Reddy College of Engineering Conducted Faculty Development Program on Research Methodology. This Event Initiative aimed to raised target faculty and giving proper guidance and provide training by the best and renowned professors from different colleges.

Event details: -

The Event combines from 03-11-2019 to 08-11-2019 with an active participation of faculty from different colleges. Various sessions were conducted on topics like Sampling techniques, multiple regression analysis, overview of qualitative research.

In order to train and develop the skills of the faculty, the faculty development program on various topics like teaching techniques and simulation was conducted by the professors from different colleges from 03-11-2019 to 08-11-2019.

Engagement:

All the faculty from the different colleges actively participated on the event Faculty Development Program on Research Methodology to the colleges like SIR CR REDDY College of engineering, Ramachandra College of Engineering, Eluru College of Engineering, Vasavi College Engineering.

Conclusion: -

The effort of the Department of MBA conducted Faculty Development Program on for Research Methodology to give proper guidance and training by the renowned professors to the faculty from different colleges.

Acknowledgement:

The Success of this event owes much to the dedicated efforts of the MBA department, the enthusiastic participation of the faculty for Faculty Development Program on Research Methodology.

Sincerely,
V-Sandeep
Program Coordinator.



DEPARTMENT OF MBA

SIR C.R.REDDY COLLEGE OF ENGINEERING, ELURU

Date:15/11/2019

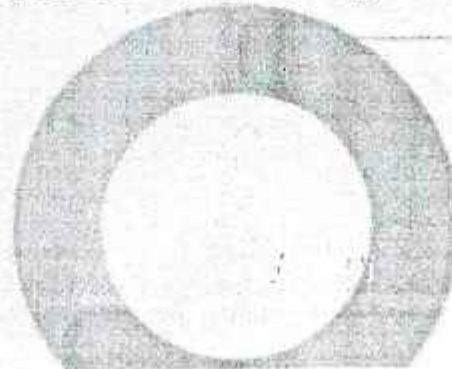
CERTIFICATE OF PARTICIPATION

The following certificate is given to



Sk. Jaheerunnisa Begum, Asst. Prof, MBA Dept, Sir CRR College of Engineering
For actively attending the Six days Faculty Development
Programme on RESEARCH METHODOLOGY organized by
Department Of MBA, Sir C.R.Reddy College Of Engineering, Eluru
FROM 03/11/2019 TO 08/11/2019

K. U. S. R. O. C.
HOD



V. S. D.
PRINCIPAL



DEPARTMENT OF MBA

SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

Date: 15/11/2019

CERTIFICATE OF PARTICIPATION

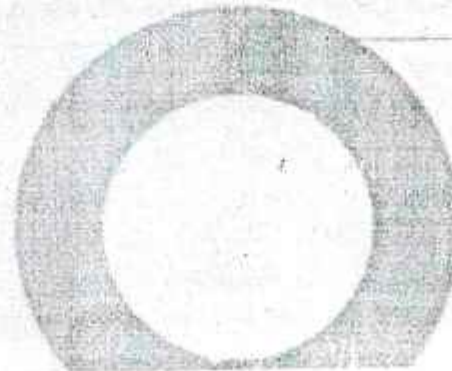
The following certificate is given to



CH Madhavi Latha, Asst. Prof, MBA Dept, Sir C.R.R college of Engineering

For actively attending the Six days Faculty Development Programme on RESEARCH METHODOLOGY organized by Department Of MBA, Sir C.R.Reddy College Of Engineering, Eluru FROM 03/11/2019 TO 08/11/2019

HOD



VSO
PRINCIPAL



DEPARTMENT OF MBA

SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

Date: 15/11/2019

CERTIFICATE OF PARTICIPATION

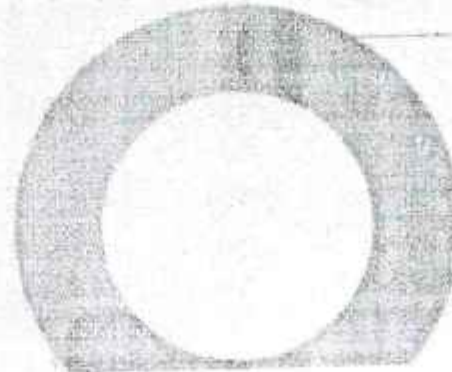
The following certificate is given to



N. Sateesh, Asst. Prof, MBA Dept; Sir C.R.R. College of Engineering

For actively attending the Six days Faculty Development Programme on RESEARCH METHODOLOGY organized by Department Of MBA, Sir C.R.Reddy College Of Engineering, Eluru
FROM 03/11/2019 TO 08/11/2019

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HOD



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PRINCIPAL



DEPARTMENT OF MBA

SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

Date: 15/11/2019

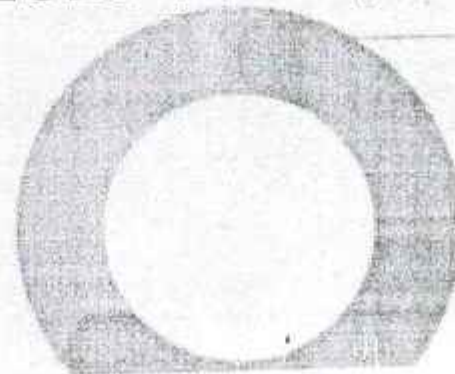
CERTIFICATE OF PARTICIPATION

The following certificate is given to



V. Sandeep, Asst. Prof, MBA Dept, Sir. CR.R. college of Engineering
For actively attending the Six days Faculty Development
Programme on RESEARCH METHODOLOGY organized by
Department Of MBA, Sir C.R.Reddy College Of Engineering, Eluru
FROM 03/11/2019 TO 08/11/2019

k.usha
HOD



Principal
PRINCIPAL



SIR C R REDDY COLLEGE OF ENGINEERING

Eluru – 534007, West Godavari Dist. A.P, India

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

Phone no:08812-230840, 2300656 Fax: 08812-224193 Visit us at <http://www.sircrrengg.ac.in>

DEPARTMENT OF CIVIL ENGINEERING

Date: 21-10-2019

CIRCULAR

We are Pleased to inform that the Civil Engineering Department is conducting a Five-Day Faculty Development Program on " **Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective**" will be Scheduled from 04-11-2019 to 08-11-2019 at 9.30 AM onwards.

Venue: Computer Centre, Dept. of Civil.

HOD-CIVIL

Head of the Department
Civil Engineering

Sir C.R.R. College of Engineering
ELURU-534007, W G Dist.

Copy to:

1. All the staff members of Civil Dept.



SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, WEST GODAVARI DIST, ANDHRA PRADESH, INDIA
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Telephone No: 08812-230840, 230565, Fax: 08812-224193
Website: www.sircrrengg.ac.in

Day wise schedule of FDP on “Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective”

Date	Forenoon (9:30-12:30)	Afternoon (01:00-03:00)
04-11-2019	Integration of Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective. Dr. Dali Naidu Arnepalli	Coarse-Grained Materials. Dr. Dali Naidu Arnepalli
05-11-2019	Uses of Biochemical Treatment of Coarse-Grained Geomaterial. Dr. Dali Naidu Arnepalli	Uses of Geo-Environmental Perspective. Dr. Dali Naidu Arnepalli
06-11-2019	Different Methods used in Biochemical Treatment. Dr. Dali Naidu Arnepalli	Materials used for Biochemical Treatments. Dr. Dali Naidu Arnepalli
07-11-2019	Introduction about Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective. N. S. Poornachandra Rao	Properties of Coarse-Grained Materials. N. S. Poornachandra Rao
08-11-2019	Chemical Composition of Biochemicals. N. S. Poornachandra Rao	Merits & Demerits of Biochemical Treatment. N. S. Poornachandra Rao

ABOUT THE INSTITUTE

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The College is situated near Vatluru railway gate in Eluru, the Head Quarters of West Godavari district. It is surrounded by beautiful paddy fields and is on Chennai-Howrah highway and train route. A large number of buses and trains run via this town. It is easily accessible from any part of the country by rail as well as road.

The College is located in its own sprawling campus with an area of 30.48 acres. Its magnanimous infrastructure and greenery attracts the attention of people who pass by. The vast green campus housing several Departments provides a stimulating environment to the high caliber staff and students of the institution.

The Campus at Vatluru is a place where students from all walks of life are under a single umbrella pursuing their BE/B.Tech, M.Tech and MBA courses.

ABOUT THE DEPARTMENT

The Dept. of Civil engineering was established in 2009 with an intake of 60 U.G. students. The Dept. has excellent infrastructure and well-furnished classrooms. The Dept. has well qualified, experienced, and dedicated teaching faculty. The department of Civil Engineering is committed to imparting the knowledge, skills and practical experiences to students such that they are able to formulate and solve practical problems and serve the society. Laboratory experiments, computer aided analysis, design and drawing and tutorial classes are held to build confidence.

About the FDP:

Biochemical treatment of coarse-grained geomaterials holds significant promise from a geo-environmental perspective, offering sustainable solutions for remediation and environmental stewardship. This approach involves harnessing biological processes to mitigate contaminants and enhance soil quality. One notable application is the use of microbial communities to biodegrade organic pollutants present in contaminated soils, such as hydrocarbons or pesticides. In coarse-grained geomaterials, which typically have lower surface area and organic content compared to finer-grained soils, bioaugmentation techniques can introduce specialized microorganisms to accelerate the degradation of pollutants. Additionally, bio stimulation methods can enhance microbial activity by providing nutrients or electron acceptors to stimulate indigenous microbial populations. These techniques not only remediate contaminated sites but also promote natural attenuation processes, reducing the need for costly and disruptive engineering interventions.

Resource Person:

Dr. Dali Naidu Arnepalli, Professor.

Indian Institute of Technology–Madras.

Eligibility: The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry etc.

Selection: The number of Participants is limited to 40 and will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

Certificate: Certificate to the participants will be issued on successful completion of the FDP.

Registration Fee: 875/-.

Form for Registration:

Note: Last date for registration is 22-10-2019.

**SIR C R REDDY COLLEGE OF
ENGINEERING**

Department of Civil Engineering
REGISTRATION CUM NOMINATION FORM
(Photocopies may be used for additional participants)
A Five day Faculty Development Program on
"Biochemical Treatment of Coarse-Grained
Geomaterial from Geo-Environmental
Perspective"
(04-11-2019 to 08-11-2019)

1. Name:
2. Designation:
3. Department:
4. Qualification:
5. Experience (Yrs):
6. College Name:
7. Mobile No:
8. E-mail address:

Mr./Ms./Dr. _____ from
_____ is hereby
permitted to attend the Faculty Development Program
(FDP) on "Biochemical Treatment of Coarse-
Grained Geomaterial from Geo-Environmental
Perspective" at Sir C R Reddy College of Engineering,
Eluru from 04-11-2019 to 08-11-2019.

Place:

Date:

Signature

CO-ORDINATING COMMITTEE

Chief Patrons:

Sri Dr.M.B.S.V.Prasad, Secretary
Sri Jasti Mallikharjunudu, Correspondent.

Patrons:

Dr. G. Sambasiva Rao, Principal

Convener: C. Ramesh Dutt

Head of Department

Department of Civil

Ph: +91 9491374554

E-mail: rrrcivil@gmail.com

Co-Ordinator: Mr. N. S. Poornachandra Rao

Asst Prof., Department of Civil

Ph: +91 9912868585

E-mail: poornanagidi@gmail.com

Organizing Committee:

Dr. R. Harinadha Babu, Professor
Sri. K. Srinivasa Rao, Asst Professor
Sri. M. Chandra Kanth, Asst Prof
Smt. K. Dharani Asst Prof
Sri. A. Surya Manikantha, Asst Prof
Smt.V.Venkata Sujitha, Asst Prof
Smt. J. Anupallavi, Asst Prof
Sri. Y. Sasidhar, Asst Prof
Sri. B. Ranjith Kumar, Asst Prof

A Five day Faculty Development Program on
"Biochemical Treatment of Coarse-grained
Geomaterial from Geo-environmental Perspective"

04-11-2019 to 08-11-2019

Organized by Department of
Civil Engineering



**SIR C R REDDY COLLEGE OF
ENGINEERING**

Eluru-534007, West Godavari Dist., A.P., India
(Approved by AICTE, New Delhi & Permanently affiliated
to JNTUK, Kakimada)

**REPORT ON FACULTY DEVELOPMENT PROGRAMME ON
BIOCHEMICAL TREATMENT OF COARSE-GRAINED GEOMATERIAL
FROM GEO-ENVIRONMENTAL PERSPECTIVE WORKSHOP**

FROM 04-11-2019 to 08-11-2019

The faculty development programme started on 4th NOVEMBER at 9:30 am with Dr. Dali Naidu Arnepalli. There were external participants from different colleges and institutes and around participants are attending this FDP.

The dignitaries on the stage were Mr. Kommareddy Rambabu garu, President of Sir C R R Educational Institutions and Correspondent of Sir C R Reddy College of Engineering, Mr. N.V.K. Durgarao garu, Secretary of Sir C R R Educational Institutions.

The workshop commenced with an overview of geo-environmental challenges associated with coarse-grained geomaterials. Participants gained insights into the environmental impacts of various pollutants, including heavy metals and organic contaminants, present in these materials. Through interactive sessions and case studies, attendees developed an understanding of the importance of addressing these challenges to ensure sustainable development and environmental protection.



Dr. Dali Naidu Arnepalli, Professor. Indian Institute of Technology–Madras.

Day 2 focused on the fundamentals of biochemical treatment techniques for coarse-grained geomaterials. Participants learned about the principles of bioremediation, bioaugmentation, and phytoremediation, exploring how microorganisms and plants can be used to degrade contaminants and restore environmental quality. Practical demonstrations and laboratory exercises provided hands-on experience, enabling participants to understand the mechanisms and applications of biochemical treatment methods.

On Day 3, the discussion expanded to the application of biochemical treatment in real-world geo-environmental projects. Participants explored case studies and success stories where biochemical treatment techniques were used to remediate contaminated sites, rehabilitate ecosystems, and mitigate environmental risks. Through interactive sessions and guest lectures from industry experts, attendees gained insights into best practices, challenges, and opportunities in implementing biochemical treatment solutions.



N. S. Poornachandra Rao Asst Prof., Sir C R Reddy College of Engineering

Day 4 delved into advanced techniques and innovations in biochemical treatment for coarse-grained geomaterials. Participants learned about emerging technologies such as microbial fuel cells, nanoremediation, and genetic engineering, which offer promising solutions for addressing complex environmental challenges. Through discussions and presentations, attendees explored the potential applications and implications of these cutting-edge techniques in geo-environmental engineering.

The final day of the workshop focused on integrating knowledge and charting future directions in the field of biochemical treatment for coarse-grained geomaterials. Participants engaged in collaborative activities and brainstorming sessions to identify research gaps, technological advancements, and policy considerations shaping the future of geo-environmental remediation.



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Eluru-534007, West Godavari District, A.P., India

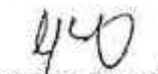
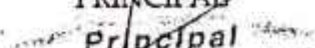
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. R. Harinadha Babu of Sir C.R. Reddy College of Engineering has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


HOD-CIVIL
Head of the Department
Civil Engineering
Sir C.R.R. College of Engineering
ELURU-534007. W G Dist.


PRINCIPAL

SIR C.R.R. COLLEGE OF ENGINEERING
ELURU - 534 007

Through interactive discussions and networking opportunities, attendees forged connections and laid the groundwork for collaborative efforts to address pressing environmental challenges.

Overall, the Biochemical Treatment of Coarse-Grained Geomaterial from Geo-Environmental Perspective workshop provided participants with a comprehensive understanding of biochemical treatment techniques and their applications in addressing environmental pollution and remediation challenges.



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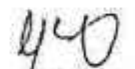
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. T. Sivaram A Krishna of Priyadarshini Institute of technology has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


HOD-CIVIL
Head of the Department
Civil Engineering
Sir C.R.R. College of Engineering
ELURU-534007, W G Dist.


PRINCIPAL
Principal
SIR C.R.R. COLLEGE OF ENGINEERING
ELURU - 534 007



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Eluru-534007, West Godavari District, A.P., India

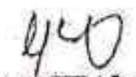
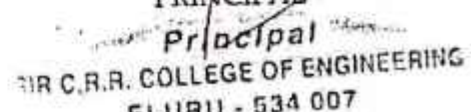
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada)

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. K. Srinivasa Rao of Sir C R Reddy College of Engineering has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


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HOD-CIVIL
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Eluru-534007, West Godavari District, A.P., India

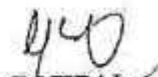
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada)

CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. M. Dinesh Kumar of Priyadarshini Institute of Technology has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


HOD-CIVIL
Head of the Department
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Sir C.R.R. College of Engineering
ELURU-534007. W G Dist.


PRINCIPAL
Principal
SIR C.R.R. COLLEGE OF ENGINEERING
ELURU - 534 007



SIR C R REDDY COLLEGE OF ENGINEERING


Eluru-534007, West Godavari District, A.P., India

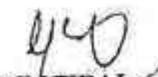
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. M. Ganesh Babu of Priyadarshini Institute of Technology has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


HOD-CIVIL
Head of the Department
Civil Engineering
Sir C.R.R. College of Engineering
ELURU-534007. W G Dist.


PRINCIPAL
Principal
SIR C.R.R. COLLEGE OF ENGINEERING
ELURU - 534 007



SIR C R REDDY COLLEGE OF ENGINEERING


Eluru-534007, West Godavari District, A.P., India

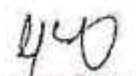
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr./Mr./Ms. M. Chandrakanth of Sir C.R.Reddy College of Engineering has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


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Sir C.R.R. College of Engineering
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ELURU - 534 007



SIR C R REDDY COLLEGE OF ENGINEERING


Eluru-534007, West Godavari District, A.P., India

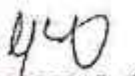
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. Y. Sasidhar of Sir C R Reddy college of Engineering has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


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PRINCIPAL
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ELURU - 534 007



SIR C R REDDY COLLEGE OF ENGINEERING


Eluru-534007, West Godavari District, A.P., India

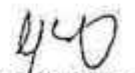
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. D. Babavali of Priyadarshini Institute of Technology has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


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PRINCIPAL
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SIR C R REDDY COLLEGE OF ENGINEERING


Eluru-534007, West Godavari District, A.P., India

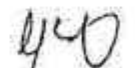
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. I. Anupallavi of Sir C R Reddy College of Engineering has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


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SIR C R REDDY COLLEGE OF ENGINEERING


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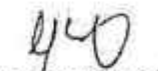
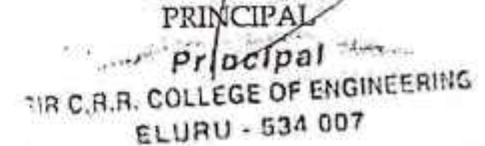
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. K. Ratna Reddy of priyadarshini Institute of Technology has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


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Sir C.R.R. College of Engineering
ELURU-534007. W G Dist.


PRINCIPAL

SIR C.R.R. COLLEGE OF ENGINEERING
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SIR C R REDDY COLLEGE OF ENGINEERING


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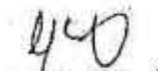
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. N. S. Poornachandra Rao of Sir C R Reddy College of Engineering has participated in the Five-Day Faculty Development Program on “Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective” organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


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Sir C.R.R. College of Engineering
ELURU-534007. W G Dist.


PRINCIPAL
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SIR C R REDDY COLLEGE OF ENGINEERING


Eluru-534007, West Godavari District, A.P., India

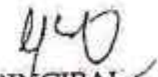
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CERTIFICATE OF PARTICIPATION

This is to certify that Prof./Dr/Mr./Ms. A. Surya Manikantha of Sir.C.R.Reddy College of Engineering has participated in the Five-Day Faculty Development Program on "Biochemical Treatment of Coarse-grained Geomaterial from Geo-environmental Perspective" organised by the Department of Civil Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 04-11-2019 to 08-11-2019.


CONVENOR


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ELURU-534007. W G Dist.


PRINCIPAL
Principal
SIR C.R.R. COLLEGE OF ENGINEERING
ELURU - 534 007

2019-20

SIR C.R. REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

Notice

Date: 08-11-2019

It is to inform all the Staff that “**One Week Faculty Development Program on Problem Solving Techniques using C & Data Structures**” in association with Brain O Vision Solutions India Pvt Ltd, Hyderabad is going to organize from 11th to 16th November 2019. Hence all the staff is advised to make utilize this opportunity.


HOD.

HEAD OF THE DEPARTMENT
Information Technology
Sir C.R.R. College of Engg.
ELURU-534 007.



INVITATION

SIR C R REDDY COLLEGE OF ENGINEERING ELURU

DEPARTMENT OF INFORMATION TECHNOLOGY

Cordially invites you to attend the inauguration of
**"ONE-WEEK FACULTY DEVELOPMENT PROGRAM ON
PROBLEM SOLVING TECHNIQUES USING C & DATA
STRUCTURES"**

ON 11TH NOV, 2019 9:30AM at IT Computer Lab-1

Chief Guest

Jasti Mallikharjunudu (Malli Babu),

Correspondent, Sri C.R.Reddy College of Engineering

Guest of Honour

K HariRama Krishnamaraju

Member, Management committee, Sir C.R.Reddy Educational
Institutions

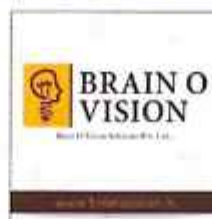
Dr. G. Sambasiva Rao,

Principal, Sir C.R.Reddy College of Engineering

Dr.S. Krishna Rao,

Professor & HoD, Dept. of IT Sir C.R.Reddy College of Engineering,
Will Preside over the function

RESOURCE PERSONS



Invitation

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU

DEPARTMENT OF INFORMATION TECHNOLOGY

Cordially invites you to attend the Inauguration of
"ONE-WEEK FACULTY DEVELOPMENT PROGRAM

ON

"PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES"

On 11th NOV, 2019 9:30 AM at IT Computer Lab-1

Chief Guest

Jasti Mallikharjunudu (Malli Babu),

Correspondent, Sir C.R.Reddy College of Engineering.

Guest of Honor

K.HariRama Krishnamaraju,

Member, Management committee, Sir C.R.Reddy Educational Institutions

Dr.G.Sambasiva Rao,

Principal, Sir C.R.Reddy College of Engineering

Dr.S.Krishna Rao,

Professor & HoD, Dept. of IT, Sir C.R.Reddy College of Engineering,

Will preside over the function

RESOURCE PERSONS



Brain O Vision solutions (India) Pvt.Ltd, HYD.

FDP DATES: 11th TO 16th NOVEMBER - 2019

19	G KRISHNA VENI	SIR CRR COE	CSE IT	GP	GP	GP	GP	GP	GP
20	S M B CHOWDARY	SIR CRR COE	CSE	KA	KA	KA	KA	KA	KA
21	K SREENU	SIR CRR COE	CSE	Q	Q	Q	Q	Q	Q
22	K CHAITANYA DEEPTHI	SIR CRR COE	CSE	Deepthi	Deepthi	Deepthi	Deepthi	Deepthi	Deepthi
23	B MADHAVA RAO	SIR CRR COE	CSE	B	B	B	B	B	B
24	M GANESH BABU	SIR CRR COE	CSE	M	M	M	M	M	M
25	B H BENNY	SIR CRR COE	CSE	BHBB	BHBB	BHBB	BHBB	BHBB	BHBB
26	S K CHAITANYA	SIR CRR COE	CSE	SKCh	SKCh	SKCh	SKCh	SKCh	SKCh
27	SAMPARTHI V S KUMAR	SIR CRR COE	CSE	Sampath Kumar	Sampath Kumar	Sampath Kumar	Sampath Kumar	Sampath Kumar	Sampath Kumar
28	M MADHAVA RAO	SIR CRR COE	CSE	M Madhava Rao	M Madhava Rao	M Madhava Rao	M Madhava Rao	M Madhava Rao	M Madhava Rao
29	CH SRINIVAS	SIR CRR COE	CSE	ChS	ChS	ChS	ChS	ChS	ChS
30	T N S KOTI MANI KUMAR	SIR CRR COE	CSE	TNS	TNS	TNS	TNS	TNS	TNS


HOD

HEAD OF THE DEPARTMENT
Information Technology
Sir C.R.R. College of Engg.
ELURU-534 807.

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON Problem Solving Techniques using C & Data Structures

(11th to 16th November 2019)

The Faculty Development Programme on PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES commenced on 11th November 2019, with a session titled "Jyothi Prajwalana." This inaugural session marked the beginning of an enriching journey aimed at enhancing the skills and knowledge of faculty members in the domains of Machine Learning and Deep Learning.

On the dais, we were honoured to have esteemed dignitaries whose presence added immense value to the Faculty Development Programme. Their expertise, experience, and guidance served as a beacon for all participants, illuminating the path towards a deeper understanding of PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES.

The Faculty Development Programme on PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES commenced with a robust introduction and highlighted the essence of the event. Oracle Corporation, with their insightful commentary, paved the way for an enriching learning experience by shedding light on the significant advancements in PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES. Their portrayal effectively set the stage, creating a conducive environment for all participants to delve into the intricacies of this transformative field.



Further enhancing the event's significance was the delivery of a profound message from the Honourable Correspondent, as eloquently conveyed by Sri Jasti Mallikharjunudu. This message

underscored the paramount importance of academic pursuits within the realm of Cloud Computing, emphasizing the need for fostering a culture of innovation and collaboration among participants.

The inaugural lecture, delivered by Prof. Dr. S. Krishna Rao at 9:30 am, served as a beacon of knowledge, focusing primarily on the on-going material research endeavours within the domain of Cloud Computing. His engaging discourse, coupled with a captivating video showcasing AI activities across various locations, provided participants with invaluable insights and inspiration, igniting a passion for exploration and discovery.

The expert session led by Oracle Team, further enriched the programme, as they shared their profound expertise in PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES. Through his insightful presentation, participants were immersed in the latest advancements in the field, sparking thoughtful discussions and paving the way for further exploration and collaboration.

Culminating the event was an interactive brainstorming session, where participants actively engaged in vibrant discussions, exchanged ideas, and explored potential avenues for collaborative research and innovation in PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES. This session fostered an environment of camaraderie and shared learning, further enriching the overall experience of the FDP.

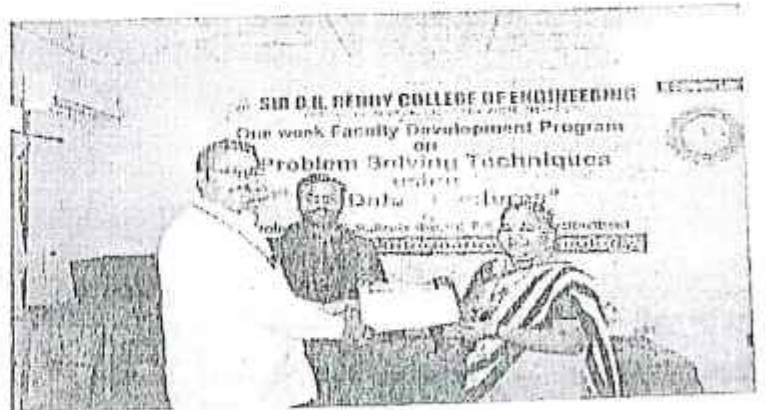
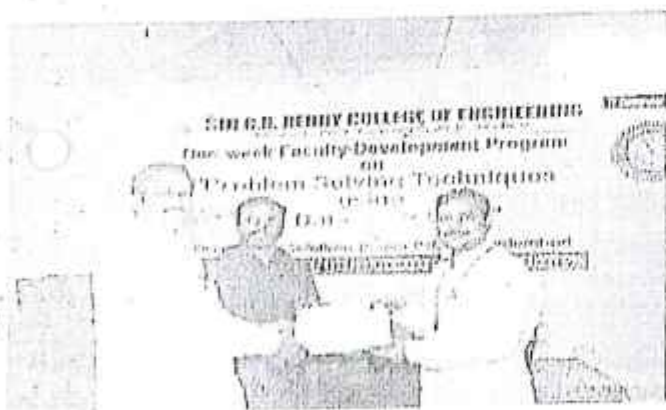
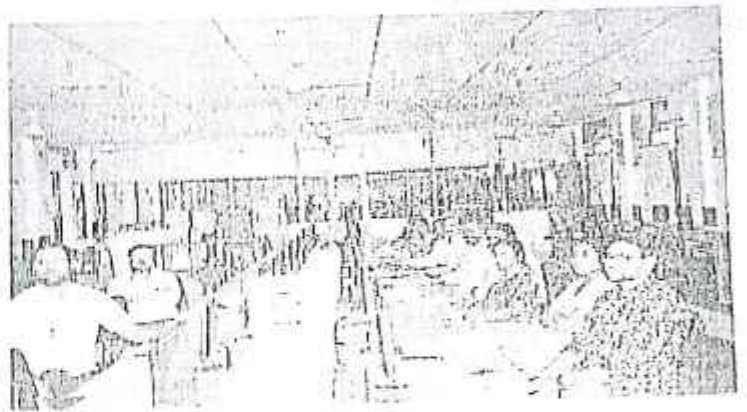
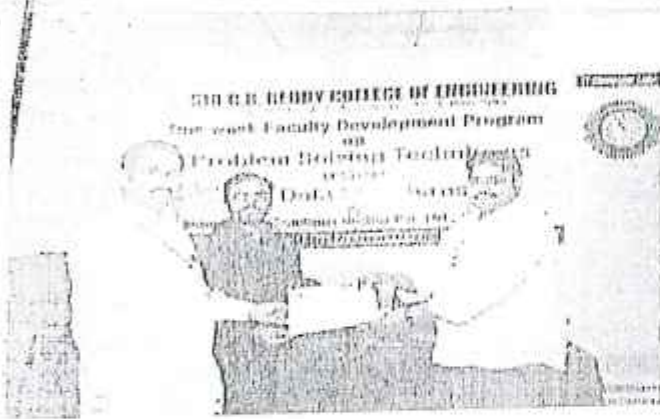
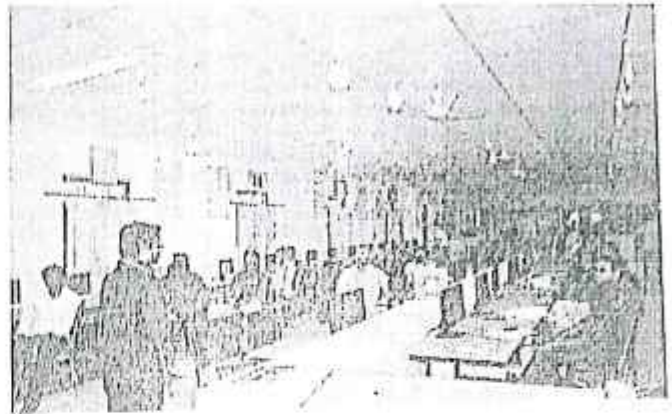


The next lecture was given by Sri N Prasad, Asst. Professor in Sir C R Reddy College of Engineering, in which he gave highlights of the various PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES techniques and how they are, used Real time Scenario.

In conclusion, the Faculty Development Programme on PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES proved to be a resounding success, offering participants a robust platform for learning, networking, and collaboration. Through insightful lectures, engaging discussions, and hands-on activities, attendees gained invaluable knowledge and inspiration to propel themselves towards excellence in this dynamic field. A heartfelt expression of gratitude is extended to all esteemed speakers, participants, and organizers for their valuable contributions and unwavering dedication, which truly made this FDP a memorable and transformative experience for all involved.

Thereafter Prof. Dr. S. Krishna Rao, gave his concluding remarks and distributed the certificates to the external participants. In the end, Sri G PAVAN, Asst. Professor, gave the vote of thanks and concluded the five days faculty development programme.

PROBLEM SOLVING TECHNIQUES USING C & DATA STRUCTURES



BRAINOVISION is a leading software Development and Training Company. We are a Hyderabad based IT skills training company that offers next-generation learning and training solutions to both corporate as well as Educational institutions like universities and colleges. Our innovative technical training programs are designed and aimed for the skill development of our clients/students.

We have a dedicated and professional team of trainers having extensive industry experience so that we can effectively teach with the industry needs and demand in mind. We also offer wide ranging services and products for developing, hiring and retaining the employees. Such experience gives us a leading edge in better apprehending of the business issues.

6 Days Technical (FDP) Schedule

Day 1: C Language

History of C, Background process, Variables and Constants, Datatypes, Operators, Looping Statements, Functions.

Day 2: C Language

Single / One Dimensional Array, Two-Dimensional Array, Pointers

Day 3 & 4: C Language

File Handling Files, Structure and Union

Day 5 & 6 : Data Structures

Data Structures- Stack and queues, Linked list



One Week Faculty Development Program

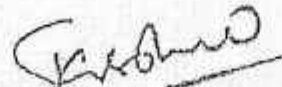
Certificate of Participation

This is to certify that Mr./MS. Dr. S. Krishna Rao

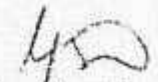
has participated in one week Faculty Development Program on "Problem Solving Techniques using C and Data Structures" in association with Brain O Vision Solutions India Pvt. Ltd., Hyderabad from 11th-16th November 2019, organized Department of Information Technology.


B. Vijay Kumar

Project Leader
Brainovision


Dr. S. Krishna Rao

HOD
Dept. of IT


Dr. G. Sambasiva Rao
Principal

5

2019-20



One Week Faculty Development Program

Certificate of Participation

This is to certify that Mr./MS. _____

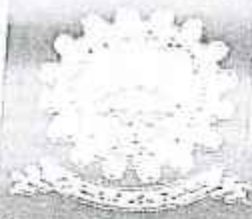
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B. Vijay
B. Vijay Kumar
Project Leader
Brainovision

S. Krishna Rao
Dr. S. Krishna Rao
HOD
Dept. of IT

G. Sambasiva Rao
Dr. G. Sambasiva Rao
Principal

5



SIR C. R. REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY



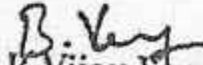
One Week Faculty Development Program

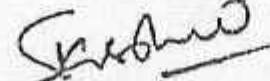
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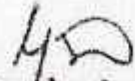
Certificate of Participation

This is to certify that Mr./MS. Sk. Meeravalli

has participated in one week Faculty Development Program on "Problem Solving Techniques using C and Data Structures" in association with Brain O Vision Solutions India Pvt. Ltd., Hyderabad from 11th-16th November 2019, organized by Department of Information Technology.


B. Vijay Kumar
Project Leader
Brainovision


Dr. S. Krishna Rao
HOD
Dept. of IT


Dr. G. Sambasiya Rao
Principal



SIR C.R. REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY



One Week Faculty Development Program

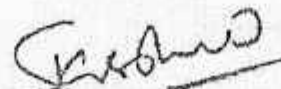
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Certificate of Participation

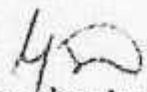
This is to certify that Mr./MS. V Gopinath
has participated in one week Faculty Development Program on "Problem Solving
Techniques using C and Data Structures" in association with Brain O Vision
Solutions India Pvt. Ltd., Hyderabad from 11th-16th November 2019, organized
Department of Information Technology.


B. Vijay Kumar

Project Leader
Brainovision


Dr. S. Krishna Rao

HOD
Dept. of IT


Dr. G. Sambasiya Rao
Principal



SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

Approved by AICTE & Affiliated to JNTUK, Kakinada

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NOTICE

Date: 22-11-2019

It is to inform all the Department staff members that “A 5-day Faculty Development Program on Future Trends and Advances in Electrical and Electronics Engineering” is going to be conducted from 02-12-2019 to 06-12-2019. Faculty members are advised to participate and co-operate to make this program a success.

HOD

Dept of EEE

Head of the Dept.

Electrical and Electronics Engineering

Sir C R.Reddy College of Engineering

ELURU - 534 007

FDP Program:
Future Trends and Advances in Electrical and Electronics Engineering
Day wise Schedule
SIR CR REDDY COLLEGE OF ENGINEERING

Day1 (02/12/2019)	Day2 (03/12/2019)	Day3 (04-12-2019)	Day4 (05-12-2019)	Day5 (06-12-2019)
9:30 – 10:00 Inaugural	—	—	—	—
10:00 – 12.30 Session 1 Smart Grid and Energy Management	9:30 – 12.30 Session 1 Energy Storage and Battery Technologies	9:30 – 12.30 Session 1 Energy-efficient Computing	9:30 – 12.30 Session 1 Internet of Things (IoT)	9:30 – 12.30 Session 1 Flexible and Stretchable Electronics Manufacturing
12:30 – 1:30 Lunch	12:30 – 1:30 Lunch	12:30 – 1:30 Lunch	12:30 – 1:30 Lunch	12:30 – 1:30 Lunch
1:30 – 3:30 Session 2 Wireless Power Transmission	1:30 – 3:30 Session 2 Photonics and Optoelectronics	1:30 – 3:30 Session 2 Electric Power Distribution Automation	1:30 – 3:30 Session 2 Electromobility Infrastructure	1:30 – 3:30 Session 2 Power Quality Monitoring and Management
3:30 – 3:45 Tea Break	3:30 – 3:45 Tea Break	3:30 – 3:45 Tea Break	3:30 – 3:45 Tea Break	3:30 – 3:45 Tea Break
3:45 – 4:30 Q&A	3:45 – 4:30 Q&A	3:45 – 4:30 Q&A	3:45 – 4:30 Q&A	3.45 – 4:30 Valedictory
—	—	—	—	4:00 – 4:30 Valedictory

Day 1: Session 1 & 2 by **Dr.L.R.Srinivas, Gudlavalleru College of Engg.**

Day 2: Session 1 & 2 by **Sri S.R. Sagar, Sir C R Reddy College Of Engineering**

Day 3: Session 1 & 2 by **Mr.J.Ayyappa, Sir C R Reddy College Of Engineering**

Day 4: Session 1 & 2 by **Dr.M.Veera Kumari, Sir C R Reddy College Of Engineering**

Day 5: Session 1 & 2 by **Dr. M.Sai Veeraju, SRKR Engg College, Bhimavaram.**

M
Head of the Dept.
Electrical and Electronics Engineering
Sir C.R.Reddy College of Engineering
ELURU - 534 007

SIR C R REDDY COLLEGE OF ENGINEERING

Department of Electrical and Electronics Engineering

REGISTRATION CUM NOMINATION FORM

(Photocopies may be used for additional participants)

A Five day Faculty Development Program
on

"Future Trends and Advances in Electrical and Electronics Engineering"

(02-12-2019 to 06-12-2019)

1. Name:

2. Designation:

3. Department:

4. Qualification:

5. Experience (Yrs):

6. College Name:

7. Mobile No:

8. E-mail address:

Mr./Ms./Dr. _____ from
_____ is hereby
permitted to attend the Faculty Development
Program (FDP) on "Future Trends and
Advances in Electrical and Electronics
Engineering" at Sir C R Reddy College of
Engineering, Eluru from 02-12-2019 to 06-12-
2019.

Place:

Date:

Signature

CO-ORDINATING COMMITTEE

Chief Patrons:

Sri Dr.M.B.S.V.Prasad, Secretary
Sri Jasti Mallikharjunudu, Correspondent.

Patrons:

Dr. G. Sambasiva Rao, Principal

Convener:

Dr. A. Srinivasa Reddy, HOD
Department of EEE
Ph: +91 9440070075

Co-ordinator:

Dr. M. Veera Kumari
Associate Professor ,EEE

Organizing Committee:

Dr. Yerramilli Butchi Raju, Professor
Dr. Namdeti Bhupesh Kumar, Professor
Anantaneni Surya Prakasha Rao, Asst. Prof
Tummala Kranthi Kiran, Asst. Prof
Nandigam Rama Narayana, Asst. Prof
Palety Naga Sowjanya, Asst. Prof
Mesinetti Vijaya Raghavendra, Asst. Prof
Uppuluri Ranjith Kumar, Asst. Prof
Tata Deepti Prasanna, Asst. Prof
Chaganti Prasanna Lakshmi, Asst. Prof
A.N.P. Girish Kumar, Asst. Prof

A Five day Faculty Development Program
on

"Future Trends and Advances in
Electrical and Electronics Engineering"

02-12-2019 to 06-12-2019

Organized by Department of
Electrical and Electronics Engineering



**SIR C R REDDY COLLEGE OF
ENGINEERING**

Eluru-534007, West Godavari Dist, A.P., India

(Approved by AICTE, New Delhi
& Permanently affiliated
to JNTUK, Kakinada)

ABOUT THE INSTITUTE

Sir C. R. Reddy College of Engineering is the first Engineering College in Andhra Pradesh sanctioned and recognized by All India Council for Technical Education (AICTE). This College is permanently affiliated to JNTUK from the Academic Year 2017-18.

Since its inception in 1989, Sir C. R. Reddy College of Engineering has been a premier institute for quality engineering education in Andhra Pradesh under the stewardship of its broad minded and magnanimous management. The last two and a half decades has seen the Institute fulfilling its motto of 'QUALITY SERVICE & VALUE BASED EDUCATION' to the student community.

The College is situated near Vatluru railway gate in Eluru, the Head Quarters of West Godavari district. It is surrounded by beautiful paddy fields and is on Chennai-Howrah highway and train route. A large number of buses and trains run via this town. It is easily accessible from any part of the country by rail as well as road.

The College is located in its own sprawling campus with an area of 30.48 acres. Its magnanimous infrastructure and greenery attracts the attention of people who pass by. The vast green campus housing several Departments provides a stimulating environment to the high caliber staff and students of the institution.

The Campus at Vatluru is a place where students from all walks of life are under a single umbrella pursuing their BE/B.Tech, M.Tech and MBA courses.

ABOUT THE DEPARTMENT

Department of Electrical & Electronics Engineering (EEE) offers under graduate (B. Tech.) course in EEE and a post graduate (M. Tech.) specialization in Power Systems and Automation and is permanently affiliated JNTUK, Kakinada Andhra Pradesh, India. Department of EEE was started in the year 1994 with an intake of 60 students and subsequently enhanced to 90 students. The Department offers M. Tech. specialization for an intake of 18 students.

About the FDP:

This Five day Faculty Development Program spans a diverse array of topics, empowering educators in the field of Electrical and Electronics Engineering (EEE) is constantly evolving with advancements in technology and emerging trends shaping its future. Here's a theory on potential future trends and advances in EEE:

Renewable Energy Integration: With increasing concerns about climate change and the depletion of fossil fuels, the integration of renewable energy sources like solar, wind, and hydroelectric power will continue to be a significant focus. Future advancements in EEE will involve improving the efficiency and reliability of renewable energy systems, as well as developing smart grid technologies for better integration and management of these decentralized energy sources.

Energy Storage Solutions: As the demand for renewable energy grows, there will be a parallel demand for efficient energy storage solutions to address intermittency issues.

RESOURCE PERSONS:

Dr. L.R Srinivas
Gudlalleru engineering college
9490629536

Dr. M. Sai Veeraju
SRKR college of engineering
Bhimavaram
7013279691

Eligibility: The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry etc.

Selection: The number of Participants is limited to 60 and will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

Certificate: Certificate to the participants will be issued on successful completion of the FDP.

Registration Fee: Rs 1000 /-

Form for Registration:

Note: Last date for registration is
01-12-2019



Attendance List of Participants

Name of the Department : **Electrical and Electronics Engineering**
 Name of the Programme : **Five Day Faculty Development Program**
 Title of the Programme : **“Future Trends and Advances in Electrical and Electronics Engineering”**
 Dates of Programme : **02-12-2019 to 06-12-2019**

S.No	Name of the Person	Name of the Dept.	Day-1	Day-2	Day-3	Day-4	Day-5
1.	K. RANGA NAYAKULU	PIT - EEE	KRP	KRP	KRP	KRP	KRP
2.	Y. UMA SANKAR	PIT - EEE	Yankar	Yankar	Yankar	Yankar	Yankar
3.	V. SURESHKUMAR	PIT - EEE	VSK	VSK	VSK	VSK	VSK
4.	K. PADMA PRIYA	PIT - EEE	KPRIYA	KPRIYA	KPRIYA	KPRIYA	KPRIYA
5.	D. VENKATA ANUCHA	PIT - EEE	DANUCHA	DANUCHA	DANUCHA	DANUCHA	DANUCHA
6.	Dr. Ram Mohan Rao	EEE	DRM	DRM	DRM	DRM	DRM
	P. naga soujanya	EEE	P.NA	P.NA	P.NA	P.NA	P.NA
	P. Deepa Praveen	EEE	PDP	PDP	PDP	PDP	PDP
	T. Iruanti lina	EEE	TIL	TIL	TIL	TIL	TIL
	A. S. Prakesh	EEE	ASP	ASP	ASP	ASP	ASP
	K. Kotaiah choudary	EEE	KCC	KCC	KCC	KCC	KCC
	M. Mallikarjuna lalitha	EEE	MLL	MLL	MLL	MLL	MLL
	V. Ranjith Kumar	EEE	VRK	VRK	VRK	VRK	VRK

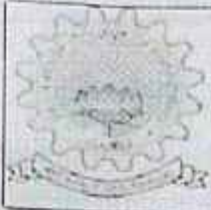


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 West Godavari District., A.P., INDIA
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 AFFILIATED TO JNTUK, KAKINADA
www.sircrrengg.ac.in

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S.No	Name of the Person	Name of the Dept.	Day-1	Day-2	Day-3	Day-4	Day-5
	T. Naga Raju	EEE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	A.N.P. Girish Kumar	EEE	A.N.G.K	A.N.G.K	A.N.G.K	A.N.G.K	A.N.G.K
	Ch. Prasanna	EEE	Chpl	Chpl	Chpl	Chpl	Chpl
	DR. N. BHUPESH KUMAR	EEE	N.Bhu	N.Bhu	N.Bhu	N.Bhu	N.Bhu
	M. S. N. L. Narasimha Rao	EEE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	S. N. V. Premarekavaram	EEE	S.N.V.R	S.N.V.R	S.N.V.R	S.N.V.R	S.N.V.R
	P. Madhusudan	EEE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	L. V. Narasimha Rao	EEE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	A. Durga Prasad	EEE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
	SK. Chambaiah	EEE	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



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S.No	Name of the Person	Name of the Dept.	Day-1	Day-2	Day-3	Day-4	Day-5
	M. Vijaya Raghavendra	EET	P	P	P	P	P
	M. SUNIL KUMAR	EET	Sub	Sub	Sub	Sub	Sub
	K. Venkatesh	EET	V	V	V	V	V
	B. Sambasiva Rao	EET	B	B	B	B	B

Sheet No:

Head of the Dept.
 Electrical and Electronics Engineering
 Sir C R.Reddy College of Engineering
 ELURU - 534 001

Program Co-ordinator

**REPORT ON FACULTY DEVELOPMENT
PROGRAMME**

**Future Trends and Advances in Electrical and Electronics
Engineering**



**Organized by Electrical and Electronics
Engineering Department**

Sir C R Reddy College of Engineering

02-Dec-2019 to 06-Dec-2019

Day 1: 02 Dec 2019

Inaugural Function (9.30am to 10.00am)

A significant occasion was held on December 5, 2022, at Sir C R Reddy College of Engineering: The Faculty Development Program (FDP) Future Trends and Advances in Electrical and Electronics Engineering Inaugural Session. It was the start of a fascinating journey into the most recent developments in electrical engineering, bringing together professionals from the industry, education.

In this session, distinguished speakers highlighted the significance of power quality in modern electrical systems, providing a structure for the FDP's seminars and discussions. Throughout the program, participants were motivated by insightful lectures that created a basis for interactive learning and exploration.

Inspired and full of anticipation, individuals embarked on an attempt to expand their knowledge in power quality enhancement technology, prepared to contribute significantly to the field's advancement.

SESSION-I : Smart Grid and Energy Management(10.0am to 12.30pm)

Summary:



Dr.L.R.Srinivas conducting the session

Dr.L.R.Srinivas stated that with the widespread deployment of smart meters, utilities were empowered with real-time insights into energy consumption patterns. This two-way communication facilitated better load management and billing accuracy, marking a fundamental shift in how consumers and providers interacted within the energy ecosystem. Concurrently, there was a concerted effort towards grid modernization, aimed at upgrading infrastructure to accommodate renewable energy sources seamlessly. Demand response programs gained momentum, encouraging consumers to adjust their electricity usage during peak demand periods, while energy management systems became increasingly prevalent among businesses and households.

SESSION-II : Wireless Power Transmission(12.30pm to 3.30pm)

Summary:

Dr.L.R.Srinivas focussed on wireless power transmission which is a burgeoning field, capturing imaginations with its potential to revolutionize energy distribution. Among the forefront technologies was inductive power transfer (IPT), which enabled the wireless charging of devices. Another promising avenue was resonant inductive coupling (RIC), leveraging resonant frequencies to enhance power transfer efficiency and extend the range of wireless charging. Microwave power transmission (MPT) offered a solution for longer-range energy transfer by converting electrical energy into microwave radiation, although challenges in safety and efficiency remained. Additionally, radio frequency (RF) energy harvesting emerged as a means to capture ambient RF signals and convert them into usable electrical power, primarily for low-power applications.

Day 2: 03 Dec 2019

SESSION-I : Energy Storage and Battery Technologies (9.30am to 12.30pm)

Summary:

Sri S.R. Sagar presented that Energy storage and battery technologies are having remarkable progress, driven by the imperative to integrate renewable energy sources into the grid and meet the increasing demand for electric vehicles (EVs). In the realm of electric vehicles, advancements in battery technology led to increased driving ranges and faster charging times, addressing key barriers to EV adoption. Companies and researchers explored novel battery

chemistries, such as solid-state batteries and lithium-sulphur batteries, promising even higher energy densities and improved safety profiles.

SESSION-II : Photonics and Optoelectronics(12.30pm to 3.30pm)

Summary:

Sri S.R. Sagar discussed on Photonics and optoelectronics which are emerging as pivotal fields driving innovation across various industries, from telecommunications to healthcare and beyond. Photonics, the science and technology of generating, manipulating, and detecting light, continued to advance rapidly, enabling breakthroughs in data transmission, sensing, imaging, and renewable energy.

Optoelectronic devices, such as light-emitting diodes (LEDs) and photovoltaic cells, are also having significant advancements in efficiency, cost-effectiveness, and versatility. LEDs found widespread applications in lighting, displays, and signage, offering energy-efficient alternatives to traditional lighting technologies. Meanwhile, photovoltaic cells continued to improve in efficiency and durability, driving down the cost of solar energy and expanding its adoption worldwide.

Day 3: 04 Dec 2019

SESSION-I : Energy-efficient Computing(9.30am to 12.30pm)

Summary:

Mr.J.Ayyappa addressed that energy-efficient computing is emerging as a pressing concern amidst the ever-growing demand for computing power and the environmental impact of data centres. Efforts to address this challenge encompassed both hardware and software innovations. On the hardware front, semiconductor manufacturers continued to develop energy-efficient processors and accelerators tailored for specific workloads. This included the proliferation of low-power CPUs and GPUs optimized for tasks such as artificial intelligence (AI), machine learning (ML), and data analytics. Techniques such as code optimization, parallelization, and workload consolidation helped minimize energy consumption by optimizing resource utilization and reducing idle time in computing systems.

SESSION-II : Electric Power Distribution Automation (12.30pm to 3.30pm)

Summary:

Mr.J.Ayyappa stated that electric power distribution automation is undergoing notable advancements, propelled by the increasing complexity of energy grids, the rise of renewable

energy integration, and the demand for improved reliability and efficiency. One significant development is the integration of advanced sensors, communication technologies, and data analytics into distribution systems. These technologies provided utilities with real-time insights into grid performance, allowing for proactive identification of faults, load imbalances, and other issues. Automated monitoring and fault detection systems enabled faster fault localization and isolation, minimizing downtime and improving overall grid reliability.

Day 4 : 05 Dec 2019

SESSION-I : Internet of Things (IoT) (9.30am to 12.30pm)

Summary:

Dr.M.Veera Kumari said that the Internet of Things (IoT) made significant strides within the field of Electrical and Electronic Engineering (EEE), reshaping the way devices and systems interacted and functioned. IoT technology, characterized by interconnected devices capable of exchanging data and performing automated tasks, found extensive applications in various domains of EEE. In addition to smart grid applications, IoT played a pivotal role in advancing home automation and energy management systems. Smart thermostats, lighting controls, and appliances equipped with IoT connectivity allowed homeowners to monitor and control energy usage remotely, leading to energy savings and enhanced comfort.

SESSION-II : Electromobility Infrastructure (12.30pm to 3.30pm)

Summary:

Dr.M.Veera Kumari stated that One of the most notable advancements in electromobility infrastructure was the proliferation of charging stations. Governments, businesses, and utilities worldwide invested in expanding public charging networks, aiming to address range anxiety and encourage EV adoption. Advancements in battery technologies played a crucial role in enhancing the viability of electromobility. Improved energy density, faster charging capabilities, and declining costs of lithium-ion batteries made EVs more attractive to consumers, driving further demand for charging infrastructure. Research efforts focused on developing next-generation battery chemistries, such as solid-state batteries, aimed at further improving performance, safety, and longevity.

Day 5: 06 Dec 2019

SESSION-I : Flexible and Stretchable Electronics Manufacturing (9.30am to 12.30pm)

Summary:

Dr. M.Sai Veeraju presented that the demand for electronics that could conform to irregular shapes, withstand bending, and even stretch without compromising functionality drove research and development efforts. One key area of progress was in the development of flexible

substrates and materials suitable for electronic components. Manufacturers explored new materials, such as flexible polymers and elastomers, that could serve as the foundation for electronic circuits and devices. Flexible and stretchable sensors for health monitoring, wearable displays for augmented reality applications, and conformable electronics for integration into clothing and textiles were among the areas of interest.

SESSION-II : Power Quality Monitoring and Management (12.30pm to 3.30pm)

Summary:

Dr. M.Sai Veeraju said that Power quality refers to the characteristics of electrical power, including voltage stability, frequency variation, and waveform distortion, which can affect the performance and longevity of connected devices. One significant development in power quality monitoring was the advancement of sensor technology and data analytics, enabling utilities and industrial facilities to continuously monitor and analyse the quality of electrical power at various points within the grid. With advancements in sensor technology, data analytics, and control systems enabling utilities and industrial users to maintain high levels of reliability and efficiency in their power supply systems.



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Five Day Faculty Development Program

on

Future Trends and Advances in Electrical and Electronics Engineering

CERTIFICATE OF PARTICIPATION

Prof./Dr./Mr./Ms. T. Kranthi Kiran has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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and Electronics Engineering during **02-12-2019 to 06-12-2019**


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Prof./Dr/Mr./Ms..... *Pateky Naga Sowjanya*..... has participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
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Prof./Dr/Mr./Ms..... M. Sunil Kumar..... has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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Prof./Dr./Mr./Ms..... Uppuluri Ranjith Kumarhas participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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Prof./Dr./Mr./Ms..... *Tata Deepthi prasanna* has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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Prof./Dr/Mr./Ms..... A. Durga Prasad..... has participated
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in A Five Day Faculty Development Program on **“Future Trends and Advances in Electrical and Electronics Engineering”** organised by the Department of Electrical and Electronics Engineering during **02-12-2019 to 06-12-2019**


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Prof./Dr/Mr./Ms..... Ravilla Madhusudan.....has participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
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Prof./Dr/Mr./Ms..... *katta Venkatesh*has participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
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Prof./Dr/Mr./Ms..... S. N. V. Bramayeswara Rao has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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Prof./Dr/Mr./Ms..... *B. Samba siva Rao* has participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
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Prof./Dr/Mr./Ms.....*Chaganti Prasanna Lakshmi*.....has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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Prof./Dr./Mr./Ms..... Tella Nagarajuhas participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
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Prof./Dr/Mr./Ms..... *K. Kotaiah chowdary*has participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
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Prof./Dr/Mr./Ms.....*SK. Chanbasha*.....has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
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and Electronics Engineering during **02-12-2019 to 06-12-2019**

SK. Chanbasha
CONVENOR

M
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CERTIFICATE OF PARTICIPATION

Prof./Dr/Mr./Ms.....M.S.N.L. Narasimha Rao.....has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
Electrical and Electronics Engineering”** organised by the Department of Electrical
and Electronics Engineering during **02-12-2019 to 06-12-2019**


CONVENOR


HOD., EEE


PRINCIPAL



SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, West Godavari District, A.P., India
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Five Day Faculty Development Program

on

Future Trends and Advances in Electrical and Electronics Engineering

CERTIFICATE OF PARTICIPATION

Prof./Dr/Mr./Ms..... L.V. Narasimha Rao has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
Electrical and Electronics Engineering”** organised by the Department of Electrical
and Electronics Engineering during **02-12-2019 to 06-12-2019**


CONVENOR


HOD., EEE


PRINCIPAL



SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, West Godavari District, A.P., India
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Five Day Faculty Development Program

on

Future Trends and Advances in Electrical and Electronics Engineering

CERTIFICATE OF PARTICIPATION

Prof./Dr/Mr./Ms..... M. Vijaya Raghavendra..... has participated
in A Five Day Faculty Development Program on “**Future Trends and Advances in
Electrical and Electronics Engineering**” organised by the Department of Electrical
and Electronics Engineering during **02-12-2019 to 06-12-2019**


CONVENOR


HOD., EEE


PRINCIPAL



SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, West Godavari District, A.P., India
Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Five Day Faculty Development Program

on

Future Trends and Advances in Electrical and Electronics Engineering

CERTIFICATE OF PARTICIPATION

Prof./Dr/Mr./Ms..... *M. Mallikarjuna Reddy*has participated
in A Five Day Faculty Development Program on **“Future Trends and Advances in
Electrical and Electronics Engineering”** organised by the Department of Electrical
and Electronics Engineering during **02-12-2019 to 06-12-2019**

[Signature]
CONVENOR

[Signature]
HOD., EEE

[Signature]
PRINCIPAL



SIR C.R. REDDY COLLEGE OF ENGINEERING, ELURU

Approved by AICTE & Affiliated to JNTUK, Kakinada

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NOTICE

Date: 02-12-2019

It is to inform all the Department staff members that "A 5-day Faculty Development Program on **Block Chain Technologies**" is going to be organizing from **16-12-2019 to 20-12-2019**. Hence all the interested staff members are advised to participate in this program and get benefited and inform to your colleagues in other colleges.

HOD

Dept of CSE

FDP Program: Block Chain Technologies Day wise Schedule Offline in SIR C R REDDY COLLEGE OF ENGINEERING

16/12/2019	17/12/2019	18/12/2019	19/12/2019	16/12/2019
9.00 AM – 9.30 AM				
Inauguration	9.30 AM – 11.00 AM	9.30 AM – 11.00 AM	9.30 AM – 11.00 AM	9.30 AM – 11.00 AM
9.30 AM – 11.00 PM	Introduction to Ethereum	Smart Contracts and Programming using Solidity Introduction to Hyper ledger	Introduction to cryptographic primitives Advanced cryptographic techniques	Smart Contracts and Programming Using Solidity
Introduction to Blockchain Technology				
11.00 AM – 01.00 PM	11.00 AM – 01.00 PM	11.00 AM – 01.00 PM	11.00 AM – 01.00 PM	11.00 AM – 01.00 PM
Features of Blockchain and Bitcoin Basics Distributed Consensus – Consensus in Bitcoin	Various Blockchain Networks Distributed Ledger Technology (DLT)	Building applications with Hyperledger	Security Analysis of Blockchain Smart Contracts	INDUSTRIAL VISIT
01.00 PM - 02.00 PM	01.00 PM - 02.00 PM	01.00 PM - 02.00 PM	01.00 PM - 02.00 PM	01.00 PM - 02.00 PM
LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
02.00 PM – 3.00 PM	02.00 PM – 3.00 PM	02.00 PM – 3.00 PM	02.00 PM – 3.00 PM	02.00 PM – 3.00 PM
Article Discussion	Article Discussion	Article Discussion	Article Discussion	MCQ, FEEDBACK & INTERACTION
03.00 PM – 5.30 PM	03.00 PM – 5.30 PM	03.00 PM – 5.30 PM	03.00 PM – 5.30 PM	03.00 PM – 5.30 PM
Hands-on exercises	Hands-on exercises	Hands-on exercises	Hands-on exercises	VALIEDICTORY

ABOUT THE INSTITUTE

Sir C. R. Reddy College of Engineering is the first Engineering College in Andhra Pradesh sanctioned and recognized by All India Council for Technical Education (AICTE). This College is permanently affiliated to JNTUK from the Academic Year 2017-18.

Since its inception in 1989, Sir C. R. Reddy College of Engineering has been a premier institute for quality engineering education in Andhra Pradesh under the stewardship of its broad minded and magnanimous management. The last two and a half decades has seen the Institute fulfilling its motto of 'QUALITY SERVICE & VALUE BASED EDUCATION' to the student community.

The College is situated near Vatluru railway gate in Eluru, the Head Quarters of West Godavari district. It is surrounded by beautiful paddy fields and is on Chennai-Howrah highway and train route. A large number of buses and trains run via this town. It is easily accessible from any part of the country by rail as well as road.

The College is located in its own sprawling campus with an area of 30.48 acres. Its magnanimous infrastructure and greenery attracts the attention of people who pass by. The vast green campus housing several Departments provides a stimulating environment to the high caliber staff and students of the institution.

The Campus at Vatluru is a place where students from all walks of life are under a single umbrella pursuing their BE/B.Tech, M.Tech and MBA courses.

ABOUT THE DEPARTMENT

Department of Computer Science & Engineering (CSE) offers under graduate (B. Tech.) course in CSE and a post graduate (M. Tech.) specialization in Computer Science and Technology and is permanently affiliated JNTUK, Kakinada Andhra Pradesh, India. Department of CSE was started in the year 1989 with an intake of 30 students and subsequently enhanced to 180 students. The Department offers M. Tech. specialization for an intake of 18 students.

About the FDP:

Block chain is an emerging platform for developing decentralized applications and data storage, over and beyond its role as a platform for crypto currencies. Block chain is a growing list of records, called blocks, which are linked using cryptography to keep exchanges secure. Block chain provides a decentralized database, or "digital ledger", of transactions that everyone on the network can see. This technology is implemented in various real – time applications. Crypto currencies, in particular the first and well -known Bitcoin and others such as Ethereum are canonical examples of Block chain paradigms.

This FDP will provide a basic understanding of all the above aspects of block chain technology. It will provide a comprehensive understanding on the contemporary cryptographic approaches and their utilization in block chain applications that will help faculty to also pursue application development and research in this direction.

Resource Person:

Smt. T. Usharani , Asst. Professor.

Eluru College of Engineering & Technology,

Eligibility: The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry etc.

Selection: The number of Participants is limited to 40 and will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

Certificate: Certificate to the participants will be issued on successful completion of the FDP.

Registration Fee: 1050/-.

Form for Registration:

Note: Last date for registration is 10-12-2019.



SIR C R REDDY COLLEGE OF ENGINEERING, ELURU
 West Godavari District., A.P., INDIA
 APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI,
 AFFILIATED TO JNTUK, KAKINADA
www.sircrrengg.ac.in

Attendance List of Participants

Name of the Department : CSE
 Name of the Programme : Block chain Technologies
 Dates of the Programme : 16-12-2019 to 20-12-2019

S.No	Name of the Person	Name of the Dept.	Day-1	Day-2	Day-3	Day-4	Day-5
			De: 16/12	De: 17/12	De: 18/12	De: 19/12	De: 20/12
1)	DR. G. Nirmala	CSE	J	J	J	J	J
2)	DR. M. Krishna	CSE	M	M	M	M	M
3)	J.S.V.G. Krishna	CSE	JB	JB	JB	JB	JB
4)	DR. N. Deepak	CSE	D	D	D	D	D
5)	K. Anil chowdary	CSE	A	A	A	A	A
6)	K. Sreenu	CSE	K	K	K	K	K
7)	S.M. Bichoudary	CSE	S	S	S	S	S
8)	K.N. Madhavilatha	CSE	M	M	M	M	M
9)	G. Satyanarayana	CSE	G	G	G	G	G
10)	M. Hanesh Babu	CSE	B	B	B	B	B
11)	Y.L.S. Rami	CSE	Y	Y	Y	Y	Y
12)	K. Chaitanya Deepthi	CSE	C	C	C	C	C
13)	K. Varada Raj Kumar	CSE	V	V	V	V	V
14)	Ch. Rama Devi	CSE	Ch	Ch	Ch	Ch	Ch
15)	P. Naga Deepthi	CSE	P	P	P	P	P
16)	R.S.K. Chaitanya	CSE	R	R	R	R	R
17)	M. Madhava Rao	CSE	M	M	M	M	M
18)	B. Atmaraj Benuy	CSE	B	B	B	B	B
19)	S.V.S. Kumar	CSE	S	S	S	S	S
20)	D.V.V. Deepthi	CSE	D	D	D	D	D
21)	Kr. Swathi	CSE	K	K	K	K	K
22)	V. Shariff	CSE	V	V	V	V	V
23)	V. Pranav	CSE	V	V	V	V	V
24)	T. Koti Marikumar	CSE	T	T	T	T	T
25)	B. Rama Lakshmi	CSE	B	B	B	B	B
26)	S. Jayaprakash	CSE	S	S	S	S	S
27)	Ch. Srinivas	CSE	Ch	Ch	Ch	Ch	Ch
28)	B. Madhav Rao	CSE	B	B	B	B	B
29)	D. Ramanamoyalu	CSE	D	D	D	D	D
30)	Ch. Venkateswara Rao	CSE	Ch	Ch	Ch	Ch	Ch

**REPORT ON FACULTY DEVELOPMENT PROGRAMME ON
BLOCK CHAIN TECHNOLOGIES FROM 16-12-2019 TO 20-12-2019**

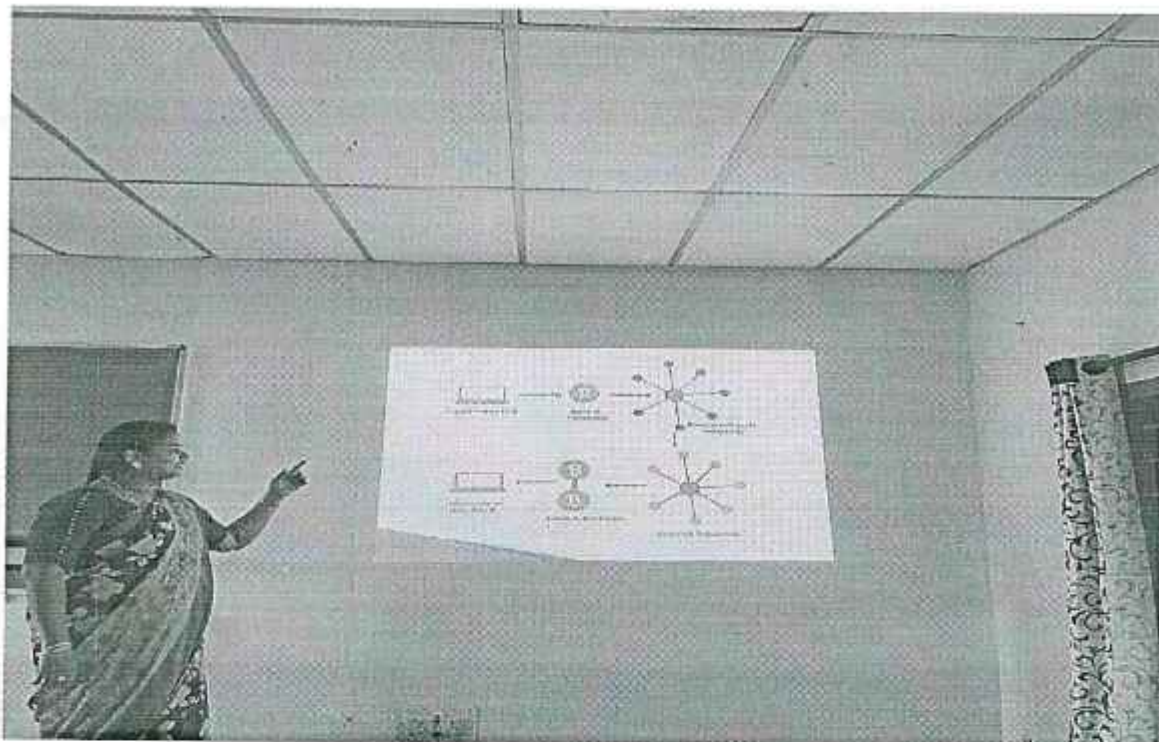
The Faculty development programme started on 16th December 2019 at 9:10 am with Saraswathi Vandanam. There were 5 external participants from different colleges and institutes and around 40 participants have attended this FDP.

The dignitaries on the stage were Mr. Jasti Mallikarjunudu, Correspondent of Sir C R Reddy College of Engineering, Mr. M.B.S.V. Prasad, and Secretary of Sir C R R Educational Institutions and Mr. Raju, Incharge Correspondent of Sir C R Reddy College of Engineering.



Secretary of CRR Educational Institutions addressing the Inaugural Session of the FDP

Opening remarks for the FDP were given by Chief Guests, which was followed by an introduction to the programme by Smt.T.Usharani, Asst. Professor in Eluru College of Engineering. Initially she delivered the content regarding the importance of Block chain Technologies in current trends and how the technology will be useful in the upcoming days. Introduction to the FDP and highlights of Block Chain Technology by Smt.T.Usharani, thereafter, the message from Honourable Founder Secretary was read out by Dr. M.B.S.V. Prasad garu. The programme progressed with the inaugural lecture at 9:30 am by Smt.T. Usharani in which she mainly focused on the features of Block chain and Bitcoin basics and Distributed consensus – Consensus in Bitcoin. She also played a video on the activities of Block chain technologies in various locations. The next speaker was Prof. Dr. A. Yesubabu, Head of the Department of Computer Science and Engineering, Sir C R Reddy College of Engineering. He mainly talked about the research in the area of Block Chain Technologies which was followed by an article discussion and later on participants were given some time to perform different Hands-on exercises.



Smt. T. UshaRani, Asst. Professor, Eluru College of Engineering

The second day started off with the lecture of Smt.T.UshaRani on Block Chain Technology and discussed various use cases in different industries like Energy, Finance, Media & Entertainment, Retail etc., how it is applied in Technology and Science and Features of Blockchain and Bitcoin Basics, Distributed Consensus –Consensus in Bitcoin, Introduction to Ethereum and Various Blockchain Networks, Distributed Ledger Technology (DLT). In the afternoon session there was an industrial visit.

Dr. A. Yesubabu felicitating Dr.M.Krishna after the lunch break, he mainly talked about his research in the area of Image Processing and shared his research experience. The next lecture was given by Dr.G.Nirmala, Associate Professor, Sir C R Reddy College of Engineering in which he gave highlights on the contemporary cryptographic approaches and their utilization in block chain applications that will help faculty to also pursue application development and research in this direction and how they are used in Real time Scenario.

This led to the end of the series of lectures in the five days programme. A concluding session followed after the tea break in which participants shared their experiences. Participants shared their experiences at the concluding session where most of them talked about their enriching experience at the FDP. There after Prof. Dr. A.Yesubabu, gave his concluding remarks and distributed the certificates to the external participants. At the end Prof. Dr. M. Krishna gave the vote of thanks and concluded the five days faculty development programme.



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

Dr. M. Krishna

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

CSR

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

J. S. V. Gopal Krishna

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

U. S. R.

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. Anil Chowdary

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

U/S

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

Dr. G. Nirmala

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

Y. S. R.

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

Dr. N. Deepak

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

YSR

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. N. Madhavi Lakshmi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

Y. S. R.

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. Varada Raj Kumar

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

YSR

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

S. M. B. Chowdary

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

HEAD OF THE DEPARTMENT

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. Sreenu

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

efsw

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. Chaitanya Deepthi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M. a.

HEAD OF THE DEPARTMENT

efsw

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

Y. L. S. Rani

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

Y. S. R.

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

M. Ganesh Babu

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

efsw

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

G. Satyanarayana

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

U/S

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

B. Homer Benny

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

YSD

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

Ch. Rama devi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

efsd

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

R. S. K. - Chaitanya

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

Y. S. R.

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

S.V.S. Kumar

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

Y.S.W

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

P. Naga Deepthi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M
HEAD OF THE DEPARTMENT

Y/SW
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

M. Madhava Rao

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

U/S

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

N. Shariff

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

CSW

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

D.V.V. Deepthi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

l/sd

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

N. Pranav

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

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PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. Swathi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

l/sr

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

Ch. Srinivas

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

U. S. R.

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

T. Koti Manikumar

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

efsw

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

B. Rania Lakshmi

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

l.s.w

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

S Jaya Prakash

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

l/sr

PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

B. Madhav Rao

From CSE has successfully completed
Faculty Development Program on **Block Chain Technologies** at Sir C R Reddy College
Of Engineering in CSE Department from 16-12-2019 to 20-12-2019.

M

HEAD OF THE DEPARTMENT

Q/SW

PRINCIPAL



SIR C R REDDY COLLEGE OF ENGINEERING

Eluru – 534007, West Godavari Dist, A.P, India

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

Phone no:08812-230840, 2300656 Fax: 08812-224193 Visit us at <http://www.sircrrengg.ac.in>

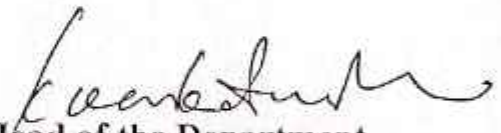
DEPARTMENT OF MECHANICAL ENGINEERING

Date: 05-02-2020

CIRCULAR

We are Pleased to inform that all the faculty of Mechanical Engineering Department is conducting a Six-Day Faculty Development Programme on "Digital Manufacturing & Design" will be Scheduled from 17-02-2020 to 22-02-2020 at 9.30 AM onwards.

Venue: Library Seminar Hall


Head of the Department
Head of the Department
Mechanical Engineering

Copy to:

1. All the staff members of Mechanical Dept.



SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, WEST GODAVARI DIST, ANDHRA PRADESH, INDIA
(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada)
Telephone No: 08812-230840, 230565, Fax: 08812-224193
Website: www.sircrrengg.ac.in

Day wise schedule of FDP on “Digital Manufacturing and Design”

Date	Slot-1 (10:00-12:00)	Slot-2 (01:00-03:00)
17/02/2020	Integration of Artificial Intelligence and machine learning with digital manufacturing. DR T Srinivasa Rao	Biomechatronics. DR T Srinivasa Rao
18/02/2020	Uses of Artificial Intelligence and machine learning in digital manufacturing: properties and challenges. DR T Srinivasa Rao	Modeling and simulation in machining. DR T Srinivasa Rao
19/02/2020	Evolutionary computing based solutions for cell formation problem. DR T Srinivasa Rao	Cognitive manufacturing. DR T Srinivasa Rao
20/02/2020	Recent advances in Artificial Intelligence. DR K Lalit Narayan	Recent advances in Deep Learning. DR K Lalit Narayan
21/02/2020	Video analytic for manufacturing. DR K Lalit Narayan	Artificial Intelligence in Robotics. DR K Lalit Narayan
22/02/2020	Artificial Intelligence enabled Internet of Things(IOT). DR K Lalit Narayan	Smart manufacturing. DR K Lalit Narayan



Attendance List of Participants

Name of the Department
 Name of the Programme
 Dates of Programme

: Mechanical Engineering
 : FDP on Digital Manufacturing and Design
 : 17-02-2020 to 22-02-2020

S.No	Name of the Person	Name of the Dept.	Day-1	Day-2	Day-3	Day-4	Day-5	Day-6
			De 17/02/20	De 18/02/20	De 19/02/20	De 20/02/20	De 21/02/20	De 22/02/20
1	SK. Srilaxmi	Mech	SK	SK	SK	SK	SK	SK
2	Dr. M. SKIRISHA MURETH	MECH	SK	SK	SK	SK	SK	SK
3	Dr. K. Suman - PATNA KUR	mech	D	P	D	D	D	D
4	L. N. V. Neerambhale	MECH	SK	SK	SK	SK	SK	SK
5	CH. L. POORNITMA	MECH	SK	SK	SK	SK	SK	SK
6	Dr. K. Lalitha Nayan	MECH	KLN	KLN	KLN	KLN	KLN	KLN
7	E. Venkateswaraka	Mech.	SK	SK	SK	SK	SK	SK
8	K. V. P. P. Chandu	Mech	SK	SK	SK	SK	SK	SK
9	A. Sriniv	mech	A	A	A	A	A	A
10	T. Rama Krishna	mech	TR	TR	TR	TR	TR	TR
11	Dr. V. Subrahmanyam	mech	BV	BV	BV	BV	BV	BV
12	Ch. Rama Krishna	mech	CHK	CHK	CHK	CHK	CHK	CHK
13	S. V. Jagadeesh	Mech	SVK	SVK	SVK	SVK	SVK	SVK
14	F. Srinivas	MECH	ES	ES	ES	ES	ES	ES
15	A. S. Ganapathi	mech	ASG	ASG	ASG	ASG	ASG	ASG
16	D. Srinivas	mech	DS	DS	DS	DS	DS	DS
17	V. Naveen Kumar	Mech	V.N	V.N	V.N	V.N	V.N	V.N
18	Ch. Chandra Rao	mech	CR	CR	CR	CR	CR	CR
19	P. Rajesh	mech	PR	PR	PR	PR	PR	PR
20								
21								
22								
23								
24								
25								


 Programme Co-ordinator

Registration form

Name:

Designation:

Institution & Department:

Address:

.....

.....

Qualification:

Experience in years:

Teaching: Research:

Age: Gender: Male/Female

Mobile No.

Email:

Signature
of the Candidate

Signature of the
Head of the
Institution with seal

Registration Fee:
Faculty- Rs.1000/-
Industry- Rs.1500/-

IMPORTANT DATES

Last date for Registration: 15.02.2020

Chief Patrons

Sri Dr.M.B.S. V.Prasad, Secretary
Sri Jesti Mallikharjunudu, Correspondent.

Advisory Committee

Dr. G.Sambasiva Rao, Principal

Convener

Dr. K.Venkateswara Rao, Professor & H.O.D

Co-ordinators

Dr. K.Rambabu, Professor

Organizing Committee

Dr. J.Sudhir Kumar, Professor

Dr.K.Lalit Narayan, Professor

Sri E.Srinivas, Assistant Professor

Sri V.Naveen Kumar, Assistant Professor

Smt M.N.V.Alekhyia, Assistant Professor

Dr. M.Srirama Murthy, Professor

Sri P.S.B.Choudary, Associate Professor

Sri K.Sunil Ratna Kumar, Assistant Professor

Sri T.Rama Krishna, Assistant Professor

Sri E.Venkateswara Rao, Assistant Professor

Sri Ch.Rama Krishna, Assistant Professor

Sri B.V.Subrahmanyam, Assistant Professor

Sri S.V.Gopala Krishna, Assistant Professor

Smt Ch.Lakshmi Poornima, Assistant Professor

Sri L.N.V.Narasimha Rao, Assistant Professor

Sri A.Srinivasa Rao, Assistant Professor

Sri Ch.Chandra Rao, Assistant Professor

One Week
FACULTY DEVELOPMENT PROGRAMME
ON

DIGITAL MANUFACTURING AND
DESIGN

17th – 22th February 2020

Organized by:

Department of Mechanical Engineering



Sir CR Reddy College of Engineering, Eluru-
534007, West Godavari dt., Andhra Pradesh
www.sircrrengg.ac.in

Ph:08812 - 230840, 2300656

ABOUT THE COLLEGE

Sir C.R. Reddy College of Engineering, established in 1989, is the first Engineering College in Andhra Pradesh sanctioned and recognized by All India Council for Technical Education (AICTE) and is now affiliated to Andhra University, Visakhapatnam. It is sprawled in a vast area of 30.5 acres of land on the outskirts of Eluru town at a distance of 6 km from the center. The college is offering 6 Under Graduate and 7 Post Graduate programmes. The present strength of the faculty is 275, comprising well qualified professionals with varied experience and background.

The college was accredited by National Board of Accreditation (NBA), GOI, New Delhi in respect of 6 UG Programmes and is now accredited by NAAC in 2017.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has been functioning since the inception of the College in 1989. At present the Department is offering 1 UG Programme (B.Tech.) with an intake of 120 students and 1 PG Programme (M.Tech.) in Machine Design with an intake of 18. The Department has good teaching faculty and well experienced members. The Department has well equipped Laboratories, CAD lab with advanced softwares, Mechanical vibrations Lab, Stress Analysis Lab and state of the art e-classroom with all necessary accessories.

The Department also has advanced Research Center recognized by Andhra University, Visakhapatnam.

A Siemens Skill Development Center with a CNC Lathe Machine, CNC Milling machine and with all advanced welding equipment and processes is functioning since 2016.

Another Skill Development center in collaboration with VELJAN HYDRAIR Ltd. & DENISON HYDRAULICS Ltd., Hyderabad is in pipeline with an investment of rupees 1 crore to train the students on advanced Pneumatic and Hydraulic systems.

Theme of the FDP:

The goal of this program is to empower educators with vital knowledge about Digital Manufacturing Technologies/significance in processes across all areas of production to create an integrated approach. Throughout the program, they will delve into various aspects of modern manufacturing Technologies. These insights will keep educators up-to-date with digital manufacturing and enable them to effectively teach the importance of smart manufacturing. The program also covers hands on training in 3D printing, Laser cutting and engraving, PCB making, CNC wood router machines. Participants will engage in hands-on activities, article discussions, and interactive sessions of Digital Manufacturing technology concepts. Additionally, the program facilitates networking opportunities, allowing educators to collaborate with experts and industry professionals in the Digital Manufacturing domain.

Resource Persons:

1. Dr. T. Srinivasa Rao
Assistant professor,
ICFAI, Hyderabad.
2. Dr.K. Lalit Narayan
Professor
Sir CRR College of Engineering, Eluru.

Venue:

Library Seminar Hall,
Sir CRR College of Engineering, Eluru.

Correspondence:

Sri K.Sunil Ratna Kumar, Associate Professor
sri E.Srinivas Assistant Professor
Department of Mechanical Engineering Eluru -
534007.
Ph No: 94910 82330
Email ID: srinivas.eedara@gmail.com



SIR C R REDDY COLLEGE OF ENGINEERING

ELURU-534007, WEST GODAVARI DIST, ANDHRA PRADESH, INDIA
(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada),
Telephone No: 08812-230840, 230565, Fax: 08812-224193
Website: www.sircrrengg.ac.in

REPORT ON FACULTY DEVELOPMENT PROGRAMME ON "Digital Manufacturing and Design"

A 6 days Faculty development programme on "Digital Manufacturing and Design" was successfully conducted in the Sir C R Reddy College of Engineering campus, on 17th– 22nd February 2020 by Mechanical department.

The programme was inaugurated in the morning at the library seminar hall on 17th February 2020 by hands of Dr. G Sambasiva Rao garu (Principal), Dr. K Venkateswara Rao garu (Head of the department), Dr. T Srinivasa Rao garu (Guest speaker, ICFAI, Hyderabad), Dr. K Lalit Narayan garu (Guest speaker, Sir C R Reddy College of Engineering). In the inaugural speech, Dr. K Venkateswara Rao garu welcomed the Honorable Speakers. Sri K Sunil Ratna Kumar garu introduced the guest speaker.

On the first three days of the FDP (17th – 19th February) Dr. T Srinivasa Rao garu introduces about the collaboration of Artificial Intelligence and Machine learning with digital manufacturing and how it overcome the challenges. In this programme he discusses about bio mechatronics and also modeling and simulation in machining.

On the last three days of the FDP (20th – 22nd February) Dr. K Lalit Narayan garu explains about the recent advances in Artificial Intelligence and deep learning. He also explains about the combination of Artificial Intelligence with Internet of Things and also explains about smart manufacturing.

The FDP ended with a feedback session and distributing participating certificates. Sri T Ramakrishna garu proposed vote of thanks to all the participants.




SIR C R REDDY COLLEGE OF ENGINEERING

(Permenantly Affiliated to JNTUK Kakinada)

Vatluru, ELURU, West Godavari District, Andhra Pradesh-534007

Certificate of Participation

This is to certify that Mr. / Ms. D. V. K. Lakshminarayana of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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MECHANICAL ENGINEERING


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Certificate of Participation

This is to certify that Mr. / Ms. Dr. M. SRIRAMA MURTHY of Mechanical Engineering has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. Dr. Sunil Raghava Kumar of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. D. Saiya Narayana of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. T. RAMA KRISHNA of
MECHANICAL ENGINEERING has participated in the Six Day Faculty Development
Program on "Digital Manufacturing & Design" organised by the Department of Mechanical
Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India
from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. K. V. P. P. Chandu of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. E. Venkateswara Rao. of
MECHANICAL ENGINEERING. has participated in the Six Day Faculty Development
Program on "Digital Manufacturing & Design" organised by the Department of Mechanical
Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India
from 17-02-2020 to 22-02-2020.


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This is to certify that Mr. / Ms. CH. RAMA KRISHNA of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. D. V. Subramanyam of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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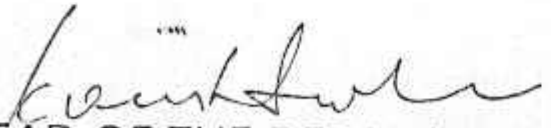
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Vatluru, ELURU, West Godavari District, Andhra Pradesh-534007

Certificate of Participation

This is to certify that Mr. / Ms. S. V. Gopala Krishna of
MECHANICAL ENGINEERING has participated in the Six Day Faculty Development
Program on "Digital Manufacturing & Design" organised by the Department of Mechanical
Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India
from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. CH. L. PODRNIMA of
Department of Mechanical Engineering has participated in the Six Day Faculty Development
Program on "Digital Manufacturing & Design" organised by the Department of Mechanical
Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India
from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. L. N. V. Navashikha Rao of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. CH. Chandan Rao of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. A. SRINIVAS of
MECHANICAL ENGINEERING has participated in the Six Day Faculty Development
Program on "Digital Manufacturing & Design" organised by the Department of Mechanical
Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India
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Certificate of Participation

This is to certify that Mr. / Ms. F. Srinivas of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. A. S. Banapalli of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Certificate of Participation

This is to certify that Mr. / Ms. V. Naveen Kumar of MECHANICAL ENGINEERING has participated in the Six Day Faculty Development Program on "Digital Manufacturing & Design" organised by the Department of Mechanical Engineering, Sir C R Reddy College of Engineering, Eluru, Andhra Pradesh, India from 17-02-2020 to 22-02-2020.


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Approved by AICTE & Affiliated to JNTUK, Kakinada

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

NOTICE

Date: 02-12-2019

It is to inform all the Non-Teaching staff members that "A 1-day Skill Development Program on "Microsoft Office" is going to be organized on 18-12-2019. Hence all the interested Non-Teaching staff members are advised to participate in this program and get benefited.



Y.S.W.
Principal
Principal
Sir C R Reddy College of Engineering
ELURU - 534 007

REPORT ON SKILL DEVELOPMENT PROGRAMME ON

MICROSOFT OFFICE ON 18-12-2019

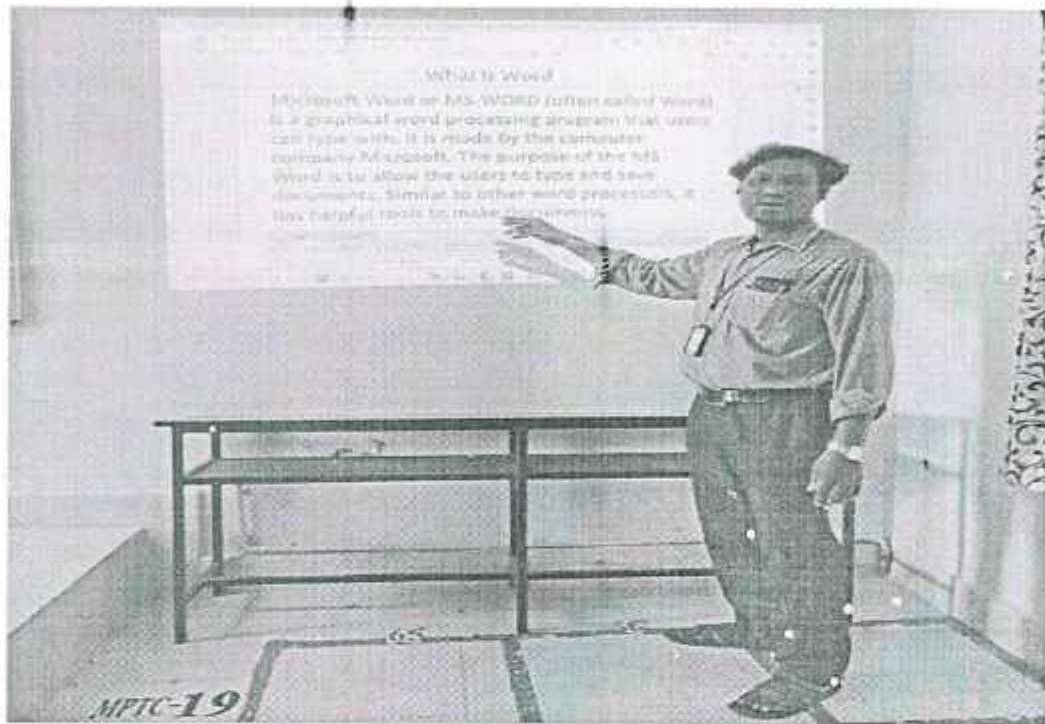
The Skill development programme started on 18th December 2019 at 9:10 am with Saraswathi Vandanam. There were 14 internal participants from various departments of our college who have attended this SDP.

The dignitaries on the stage were Mr. Jasti Mallikarjunudu, Correspondent of Sir C R Reddy College of Engineering, Mr. M.B.S.V. Prasad, and Secretary of Sir C R R Educational Institutions and Mr. Raju, Incharge Correspondent of Sir C R Reddy College of Engineering.



Secretary of CRR Educational Institutions addressing the Inaugural Session of the FDP

Opening remarks for the SDP were given by Chief Guests, which was followed by an introduction to the programme by Sri M.Ganesh Babu, Asst. Professor, Sir C R Reddy College of Engineering. Initially he delivered the content regarding the importance of Microsoft Office in the current trends and how MS Office tools will be useful in the upcoming days. Introduction to the SDP and highlights of by Sri M.Ganesh Babu, thereafter, the message from Honourable Founder Secretary was read out by Dr. M.B.S.V. Prasad garu. The programme progressed with the inaugural lecture at 9:30 am by Sri M.Ganesh babu where he played a video on the advantages of MS-Office. The next speaker was Prof. Dr. A. Yesubabu, Head of the Department of Computer Science and Engineering, Sir C R Reddy College of Engineering, he mainly talked about the basics of MS Office, its usage & its advantages in the Real-world scenario which was followed by an article discussion and later on participants were given some time to perform different Hands-on exercises.



Sri M.Ganesh Babu, Asst. Professor, Sir C R R College of Engineering

The afternoon session started off with the lecture of Sri M.Ganesh Babu on the usage of Microsoft Office, its usage & various Block Chain Technology and discussed various tools that are present in it.

This led to the end of the lecture in the one-day programme. A concluding session followed after the tea break in which participants shared their experiences. Participants shared their experiences at the concluding session where most of them talked about their enriching experience at the FDP. There after Prof. Dr. A. Yesubabu, gave his concluding remarks and distributed the certificates to the internal participants. At the end Prof. Dr. M. Krishna gave the vote of thanks and concluded the one-day Skill development programme.



SIR CR REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

P. Prathima

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

P/SW
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

M. Saravani

From Sir CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

S/S
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

K. S. Srisisha

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

[Signature]
HEAD OF THE DEPARTMENT

[Signature]
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

S. Jaya Rama Krishna

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

[Signature]
HEAD OF THE DEPARTMENT

[Signature]
PRINCIPAL



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

T.S. Anand

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

P/S
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

B. Rangamma

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

[Signature]
HEAD OF THE DEPARTMENT

[Signature]
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

 G. Musalidhara Rao

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

 M
HEAD OF THE DEPARTMENT

 g/sr
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

P. Ruth

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

e/cw
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

P.V. Padmavathi

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

s/s
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

A. Yesu Babu

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

S/SW
PRINCIPAL



SIR CR REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that

D. Leela Kumarii

From SIR CRRCOE has successfully completed
Skill Development Program on "Microsoft Office" at Sir C R Reddy College Of Engineering
On 18-12-2019.

M
HEAD OF THE DEPARTMENT

S/S
PRINCIPAL

