SIR C. R. REDDY COLLEGE OF ENGINEERING

ELURU-534007, ELURU Dist., A.P., INDIA
ACCREDITED BY NBA, APPROVED BY ALL INDIA COUNCIL FOR TECHNICIAL EDUCATION, NEW DELHI,
PERMANENTLY AFFILIATED TO JNTUK, KAKINADA
www.sircrrengg.ac.in

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

Criteria 3.5.1

Details of MOU Collaborative Activities

A.Y.2018-19

S.No	Name of Collaborative Agency with contact details	Date of Establishment	Duration	Area of Collaboration	List of Activities Conducted
1	Priyadarshini Institute of Technology & Science, Chintalapudi, Duggirala Mandal, Guntur	12-06-2018	1 Year	FDPs, workshops, seminars, Conferences	Faculty Development Programme 17-12-2018 to 21-12-2018 and 22-10-2018 to 27-10-2018
2	Sri Venkateswara College of Engineering and Technology, Etcherla, Srikakulam	11-06-2018	1 Year	FDPs, Workshops, Seminars, Conferences	Faculty Development Programme on 20-08-2018 to 25-08-2018
3	Rajamahendri Institute Of Engineering And Technology, Rajamahendravaram	24-07-2018	1 Year	FDPs, workshops, seminars, Conferences	FDP conducted on 19-11-2018 to 24-11-2018
4	APSSDC	07-08-2018	3 Years	Training , Internships, Workshops	**Conference -** Computer vision and machine learning (APSSDC) 27-12-2018 to 28-12-2018 **Workshops –** 1.3 day Google Android Developer (APSSDC) from 9-10-20198 to 11-10-2018 2. 2 day workshop on IOT and its application from 06- 09-2018 to 08-09-2018

5	APSSDC (ARC)	07-02-2019	3 Years	Trainings , Internships, Workshops	1. 3 Day workshop on SCILAB(APSSDC) from 28-01-2019 to 31-01-2019 2.Guest Lecture on "Basic Python programming" from 13-07-2019 to 19-07-2019 3. Automative 2 Wheeler Expert during 22-11-2021 to 04-12-2021 4.Advance Certification in Emerging Technologies during 29-08-2022 to 21-10-2022 5.Architectural Modelling using Revit during 07-08-2023 to 19-08-2023
6	Samata Degree College , Visakhapatnam	08-08-2018	1 Year	FDPs, Workshops, Seminars, Conferences	Faculty Development Programme on 25-10-2018 to 26-10-2018
7	G & J Infra Company , Vijayawada	09-08-2018	Lifetime	Guest Lectures, Seminars, laboratory and testing facilities	Internship Certificates 05-05-2022 to 01-07-2022
8	IDEAL Institute Of Technology, Vidyut Nagar, Kakinada	10-08-2018	1 Year	FDPs, workshops, seminars, Conferences	Faculty Development Programme on 16-07-2018 to 21-07-2018
9	Visakha Institute Of Engineering & Technology	11-10-2018	1 Year	FDPs, workshops, seminars, Conferences	FDP Certificates 11-02-2019 to 15- 02-2019
10	ThingTronics , Bangalore	20-11-2018	3 Years	Training , Internships, Workshops	Workshop 30-8-2019 to 31-08-2019, Academic Projects and Publication

11	Apply Volt , Vijayawada	18-12-2018	2 Years	Training , Internships, Workshops	1. A 6day Workshop on advanced VLSI Training on Xilinx FPGA using Vivado Tools 16-9-2019 to 21-09-2019 2.A 5 Day FDP on VLSI HEP-1 and HEP – 2 a hands on approach from 07-12-2020 to 11-12-2020 3. 2 Day FDP on PYNQ Board using Python from 17-12-2020 to 18-12-2020 4.1 Day workshop on VLSI back end tools on 19-05-2021
12	Codegnan , Vijayawada	12-12-2018	2 Years	Seminars, Workshops, FDPs, Internships, Hackathons, Recruitment	Workshops, and Hackathons, 1. 28-07-2019 to 30-07-2019 2. 11-09-2019 to 14-09-2019

IQAC Coordinator

ELURU
534 007
SIR C R REDDY COLLEGE OF ENGINEERING

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

MOU

This Memorandum of Understanding (MOU) is made on this 12thday of June, 2018 between :

Priyadarshini Institute of Technology & Science
Chintalapudi   Near Tenali   Guntur-522 306.
Under Management of INDIRA EDUCATIONAL Society, Hyderabad.
College Code:X2, Recognised by Govt of A.P.
Approved by AICTE, New Delhi & Affiliation to JNTU Kakinada.

Priyadarshini Institute of Technology & Science, Chintalapudi, Duggirala Mandal, Guntur (Dt)-522306.Andhra Pradesh, India, represented by its principal, Dr. N Lakshmi Narayana, hereinafter referred to as PITT;

And

Estd. 1989

SIR C. R. REDDY COLLEGE OF ENGINEERING
ELURU-534007, West Godavari 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

Sir C R Reddy College of Engineering , Vatluru, Eluru ,Eluru District , Andhra Pradesh, represented by its Principal, Dr. G Samba Siva Rao, here in after referred to as Sir CRRCOE.

Both PITT and Sir CRRCOE are collectively referred to as the Parties and individually as a Party.

WHEREAS, PITT is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, Sir CRRCOE is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, both the Parties are committed to enhancing the quality of engineering education and research through collaboration and cooperation;

1. Objectives

The objectives of this MOU are:

- To conduct joint FDPs, workshops, seminars,both national and International Conferences on topics of mutual interest and relevance.
- To share the resources, expertise and best practices of both the institutions.
- To facilitate the participation of faculty members and students of both the institutions in the FDPs, workshops and seminars, bothNational and International Conferences conducted by either institution.
- To explore the possibilities of joint research projects, consultancy services and publications.

2. Scope

The scope of this MOU covers the following areas:

- **FDPs:** The Parties will jointly organize FDPs on emerging topics and technologies in engineering disciplines. The FDPs will be designed to enhance the knowledge, skills and competencies of the faculty members of both the institutions. The FDPs will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the FDPs will be decided mutually by the Parties.

- **Workshops:** The Parties will jointly organize workshops on practical aspects and applications of engineering concepts and tools. The workshops will be aimed at providing hands-on experience and exposure to the faculty members and students of both the institutions. The workshops will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the workshops will be decided mutually by the Parties.

- **Seminars:** The parties will jointly organize seminars on current issues and trends in engineering domains. The seminars will be intended to provide a platform for sharing ideas, insights and experiences among the faculty members and students of both the institutions. The seminars will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the seminars will be decided mutually by the Parties.

- **Research and IncubationCell:** The parties will explore the possibilities of undertaking joint research projects, consultancy services and publications in the areas of mutual interest and relevance. The parties will identify the research topics, objectives, methodology, funding, timeline, deliverables and other aspects of the research projects. The parties will also seek to publish the research outcomes in reputed journals and conferences. The parties will share the intellectual property rights, benefits and responsibilities arising from the research activities as per the agreed terms and conditions.

- **Exchange:** The parties will facilitate the exchange of faculty members and students for participating in the FDPs, workshops and seminars conducted by either party. The parties will also encourage the exchange of faculty members and students for pursuing research projects, consultancy services and publications. The parties will provide the

necessary support and assistance to the visiting faculty members and students in terms of accommodation, transportation, access to facilities and resources, etc. The parties will also recognize the credits earned by the visiting faculty members and students as per the norms and regulations of their respective institutions.

- **National and International Conferences:** The parties will jointly organize National and International Conferences on current issues and trends in engineering domains. The background and context of the conference, such as the theme, objectives, expected outcomes, target audience.The roles and responsibilities of each party involved in the conference, such as the organizers, sponsors, speakers, participants. The terms and conditions of the collaboration, such as the duration, budget, resources, communication, reporting, evaluation.The signatures and dates of the authorized representatives of each party.

3. Coordination:

The parties will appoint a coordinator from each institution to oversee the implementation of this MOU. The coordinators will be responsible for:

- Communicating with each other on a regular basis to plan, execute and monitor the activities under this MOU.

- Liaising with the respective authorities, departments, faculty members and students of their institutions to facilitate the smooth functioning of the activities under this MOU.

- Resolving any issues or disputes that may arise during the course of this MOU.

- Preparing and submitting periodic reports on the progress and outcomes of the activities under this MOU.

The names and contact details of the coordinators are as follows:

PITT:	Sir CRRCOE
Name of the Coordinator: Mr.A. SRIKANTH BABU Designation: Assoc.Professor in HOD – MBA Dept Emailid: srikanthannadasu@gmail.com Contact No: 8121303034	Name of the Coordinator: Dr M. KRISHNA Designation: Professor, CSE Dept , Sir CRRCOE Email id: marlapallikrishna@gmail.com Contact No. : 9394501367

4. Duration

This MOU will come into effect from the date of signing by both the parties and will remain valid for a period of One year from July 2018 to June 2019. The parties may extend or renew this MOU by mutual consent in writing before the expiry of this MOU.

5. Termination

Either party may terminate this MOU by giving an advance written notice of three months to the other party. The termination of this MOU will not affect the ongoing activities under this MOU, unless otherwise agreed by both the parties.\

6. Amendment

This MOU may be amended by mutual consent of both the parties in writing. Any amendment to this MOU will be signed by both the parties and will form part of this MOU.
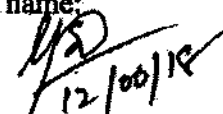
7. Arbitration

In case of any dispute or difference arising out of or in connection with this MOU, the parties will try to resolve it amicably through consultation and negotiation. If the dispute or difference remains unresolved after 30 days of consultation and negotiation, then it will be referred to arbitration by a sole arbitrator appointed by mutual consent of both the parties. The arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. The venue of arbitration will be Narasaraopet, Andhra Pradesh. The language of arbitration will be English. The award of the arbitrator will be final and binding on both the parties.

8. Miscellaneous

- This MOU is not intended to create any legal or contractual obligations or liabilities on either party.

- This MOU is not intended to confer any rights or benefits on any third party.

- This MOU is subject to the laws of India and the jurisdiction of the courts at Tenali, Andhra Pradesh.

- This MOU is executed in two originals, one for each party.

IN WITNESS WHEREOF, both the Parties have signed this MOU on the date and place mentioned below:

For PITT	For Sir CRRCOE
Principal signature and name:	Principal signature and name:
Dr. N Lakshmi Narayana	Dr.G Samba Siva Rao
PRINCIPAL	
Date PRIYADARSHINI INSTITUTE OF	Date :
TECHNOLOGY & SCIENCE	Principal
College Seal CHINTALAPUDI, Duggirala Mdl.	Sir C R Reddy College of Engineering
Guntur - 522 306	ELURU - 534 007
	College Seal :

Principal
Priyadarshini Institute of Technology&
Science,
Chintalapudi (V), Duggirala(Mdl),
Guntur (Dt)-522 306, A.P, India
Date:12-06-2018

Principal
Sir C R Reddy College of Engineering ,
Vatluru , Eluru -534007,
Eluru District, A.P, India.
Date:12-06-2018

PRIYADARSHINI
INSTITUTE OF TECHNOLOGY AND SCIENCE

Chintalapudi, Near Tenali, Guntur-522 306
Approved by AICTE, New Delhi& Affiliation to JNTU Kakinada.

Certificate of Participation

This is to certify that

Dr./Mr./Mrs./Ms. _____ V· PRANAV _____ has particip-

ated in A One Week FDP on *"ARTIFICIAL INTELLIGENCE"* organized by department of

ECE, held at Priyadarshini Institute of Technology & Science, Chintalapudi,

Near Tenali, Guntur-522 306, INDIA, from 17th to 21st DEC 2018.

Program Coordinator

Principal

PRIYADARSHINI
INSTITUTE OF TECHNOLOGY AND SCIENCE

Chintalapudi, Near Tenali, Guntur-522 306
Approved by AICTE, New Delhi& Affiliation to JNTU Kakinada.

Certificate of Participation

This is to certify that

Dr./Mr./Mrs./Ms._____ K. SUNIL RATNAKUMAR _____ has participated in A One

Week FDP on "UN CONVENTIONAL MACHINING PROCESS" organized by department of ME,

held at Priyadarshini Institute of Technology & Science, Chintalapudi,

Near Tenali, Guntur-522 306, INDIA, from 22nd to 27th OCT 2018.

Program Coordinator

Principal

PRIYADARSHINI
INSTITUTE OF TECHNOLOGY AND SCIENCE

Chintalapudi, Near Tenali, Guntur-522 306
Approved by AICTE, New Delhi& Affiliation to JNTU Kakinada.

Certificate of Participation

This is to certify that

Dr./Mr./Mrs./Ms. *N. eSiva Poornachandra Rao* has participated in

A One Week online Faculty Development Program on "Quantum Geographic Information System (QGIS)" organized by department of Civil Engineering, held at Priyadarshini Institute of Technology & Science, Chintalapudi, Near Tenali, Guntur-522 306, INDIA, from 18/02/19 to 23/02/19.

Program Coordinator

Principal

SRI VENKATESWARA
COLLEGE OF ENGINEERING & TECHNOLOGY
Accredited by NAAC with 'A' Grade & ISO 9001:2015 Certified
(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada)
Office : +91 7901467802, email: principal_svcet@yahoo.com, website: www.svcet.info

MOU

This Memorandum of Understanding (MOU) is made on this 11th JUNE, 2018 between:

Sri Venkateswara College of Engineering and Technology, Etcherla, Srikakulam Andhra Pradesh, 532410 represented by its **Principal Dr. M Govinda Raju, Head of the Institution**, here in after referred to as SVCET;

AND

Sir C R Reddy College of Engineering, Vatluru, Eluru, Andhra Pradesh, India, represented by its **Principal, Dr.G.Samba Siva Rao, Head of the Institution** here in after referred to as **Sir CRRCOE.**

Both SVCET and Sir CRRCOE are collectively referred to as the Parties and individually as a Party.

Whereas, SVCET is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

Whereas, Sir CRRCOE is an institution offering various undergraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

Whereas, both the Parties are committed to enhancing the quality of engineering education and research through collaboration and cooperation;

Now Therefore, the Parties agree as follows:

1. Objectives

The objectives of this MOU are:

- To conduct joint FDPs, workshops, seminars, both national and International Conferences on topics of mutual interest and relevance.
- To share the resources, expertise and best practices of both the institutions.

- To facilitate the participation of faculty members and students of both the institutions in the FDPs, workshops and seminars, both National and International Conferences conducted by either institution.
- To explore the possibilities of joint research projects, consultancy services and publications.

2. Scope

The scope of this MOU covers the following areas:

- **FDPs**: The Parties will jointly organize FDPs on emerging topics and technologies in engineering disciplines. The FDPs will be designed to enhance the knowledge, skills and competencies of the faculty members of both the institutions. The FDPs will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the FDPs will be decided mutually by the Parties.

- **Workshops**: The Parties will jointly organize workshops on practical aspects and applications of engineering concepts and tools. The workshops will be aimed at providing hands-on experience and exposure to the faculty members and students of both the institutions. The workshops will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the workshops will be decided mutually by the Parties.

- **Seminars**: The parties will jointly organize seminars on current issues and trends in engineering domains. The seminars will be intended to provide a platform for sharing ideas, insights and experiences among the faculty members and students of both the institutions. The seminars will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the seminars will be decided mutually by the Parties.

- **Research and Incubation Cell**: The parties will explore the possibilities of undertaking joint research projects, consultancy services and publications in the areas of mutual interest and relevance. The parties will identify the research topics, objectives, methodology, funding, timeline, deliverables and other aspects of the research projects. The parties will also seek to publish the research outcomes in reputed journals and conferences. The parties will share the intellectual property rights, benefits and responsibilities arising from the research activities as per the agreed terms and conditions.

- **Exchange**: The parties will facilitate the exchange of faculty members and students for participating in the FDPs, workshops and seminars conducted by either party. The parties will also encourage the exchange of faculty members and students for pursuing research projects, consultancy services and publications. The parties will provide the necessary support and assistance to the visiting faculty members and

students in terms of accommodation, transportation, access to facilities and resources, etc. The parties will also recognize the credits earned by the visiting faculty members and students as per the norms and regulations of their respective institutions.

- **National and International Conferences:** The parties will jointly organize National and International Conferences on current issues and trends in engineering domains. The background and context of the conference, such as the theme, objectives, expected outcomes, target audience. The roles and responsibilities of each party involved in the conference, such as the organizers, sponsors, speakers, participants. The terms and conditions of the collaboration, such as the duration, budget, resources, communication, reporting, evaluation. The signatures and dates of the authorized representatives of each party.

3. Coordination:

The parties will appoint a coordinator from each institution to oversee the implementation of this MOU. The coordinators will be responsible for:

- Communicating with each other on a regular basis to plan, execute and monitor the activities under this MOU.

- Liaising with the respective authorities, departments, faculty members and students of their institutions to facilitate the smooth functioning of the activities under this MOU.

- Resolving any issues or disputes that may arise during the course of this MOU.

- Preparing and submitting periodic reports on the progress and outcomes of the activities under this MOU.

The names and contact details of the coordinators are as follows:

SVCET:	Sir CRRCOE
Address: Sri Venkateswara College of Engineering and Technology, Etcherla, Srikakulam Andhra Pradesh, 532410 Contact Details: 9705576693 E-mails: principal_svcet@yahoo.com Web: www.svcet.info	Name of the Coordinator: Dr M. KRISHNA Designation: Professor, CSE Dept, Sir CRRCOE Emailid:marlapallikrishna@gmail.com Contact No.: 9394501367

4. Duration

This MOU will come into effect from the date of signing by both the parties and will remain valid for a period of ONE year from **June 2018 to June 2019**. The parties may extend or renew this MOU by mutual consent in writing before the expiry of this MOU.

5. Termination

Either party may terminate this MOU by giving an advance written notice of three months to the other party. The termination of this MOU will not affect the ongoing activities under this MOU, unless otherwise agreed by both the parties.

6. Amendment

This MOU may be amended by mutual consent of both the parties in writing. Any amendment to this MOU will be signed by both the parties and will form part of this MOU.

7. Arbitration

In case of any dispute or difference arising out of or in connection with this MOU, the parties will try to resolve it amicably through consultation and negotiation. If the dispute or difference remains unresolved after 30 days of consultation and negotiation, then it will be referred to arbitration by a sole arbitrator appointed by mutual consent of both the parties. The arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. The venue of arbitration will be Vijayawada, Andhra Pradesh. The language of arbitration will be English. The award of the arbitrator will be final and binding on both the parties.

8. Miscellaneous

- This MOU is not intended to create any legal or contractual obligations or liabilities on either party.

- This MOU is not intended to confer any rights or benefits on any third party.

- This MOU is subject to the laws of India and the jurisdiction of the courts at Vijayawada, Andhra Pradesh.

- This MOU is executed in two originals, one for each party.

IN WITNESS WHEREOF, both the Parties have signed this MOU on the date and place mentioned below:

For SVCET	For Sir CRRCOE
Principal signature and name:	Principal signature and name:
Dr. M Govinda Raju	Dr. G. Samba Siva Rao
Date: 11-06-2018	Date: 11-06-2018
College Seal:	College Seal:

Principal
Sri Venkateswara College of
Engineering and Technology,
Etcherla, Srikakulam -532410,
A.P, India.

Sir C R Reddy College of Engineering
Vatluru, Eluru-534007,
Eluru District, A.P, India.
Place: Eluru.

SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi;Affiliated to JNTU KAKINADA
Accredited with 'A' Grade by NAAC
Etcherla, SrikaKulam -532410.

CERTIFICATE

OF PARTICIPATION

This is to certify that Mr./Ms./Mrs./Dr. ___M-Ganesh Babu___

from___Sir C R Reddy College of Engineering, ELURU___

has actively participated in the one week Faculty Development Programme on

"Artificial Intelligence and Machine Learning Applications in Bio Medical Engineering"

organized by the department of Computer Science and Engineering held from 20-08-2018

to 25-08-2018.

PRINCIPAL
PRINCIPAL
Sri Venkateswara College of Engineering & Technology
ETCHERLA, SRIKAKULAM-532 410 (A.P)

Sri.S.Bhaskara Rao
Convenor

Dr.M.Govinda Raju
Principal

SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi;Affiliated to JNTU KAKINADA
Accredited with 'A' Grade by NAAC
Etcherla, Srikakulam -532410.

CERTIFICATE

OF PARTICIPATION

This is to certify that Mr./Ms./Mrs./Dr. _K. Chaitanya Deepthi_

from _Sir C R Reddy College of Engineering, ELURU_

has actively participated in the one week Faculty Development Programme on

"Artificial Intelligence and Machine Learning Applications in Bio Medical Engineering"

organized by the department of Computer Science and Engineering held from 20-08-2018

to 25-08-2018.

PRINCIPAL
Sri Venkateswara College of Engineering & Technology
ETCHERLA, SRIKAKULAM-532 410 (A.P)

Sri.S.Bhaskara Rao
Convenor

Dr.M.Govinda Raju
Principal

RAJAMAHENDRI
INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi, Affiliated to JNTUK, Kakinada, Accredited by NAAC)

BHOOPALAPATNAM, RAJAMAHENDRAVARAM, E.G.Dist., AP, 533107.

eMail: office@rietrjy.co.in Website: www.rietrjy.co.in Ph: +91 91212 14413

MOU

This Memorandum of Understanding (MOU) is made on this 18ᵗʰ JUNE, 2018 between:

RAJAMAHENDRI INSTITUTE OF ENGINEERING AND TECHNOLOGY Bhoopalapatnam, Pidimgoyyi, Rajamahendravaram, Andhra Pradesh 533107represented by its **Principal Dr.V.Lakshminarayana, Head of the Institution,** here in after referred to as **RIET;**

AND

SIR C. R. REDDY COLLEGE OF ENGINEERING
ELURU-534007, West Godavari Dist., A.P., INDIA
APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI,
PERMANENTLY AFFILIATED TO JNTUK, KAKINADA
www.sircrrengg.ac.in
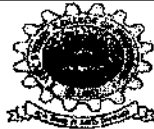
OFF: (08812) 230840, 230565
FAX : (08812) 224193
Email: principal.sircrrengg@gmail.com

Sir C R Reddy College of Engineering, Eluru, and Andhra Pradesh, India, represented by its principal, **Dr.G.Samba Siva Rao,** here in after referred to as **Sir CRRCOE.**

Both **RIET** and **Sir CRRCOE** are collectively referred to as the Parties and individually as a Party.

WHEREAS, **RIET**is an institution offering various undergraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, both the Parties are committed to enhancing the quality of engineering education and research through collaboration and cooperation;

NOW THEREFORE, the Parties agree as follows:

1. Objectives

The objectives of this MOU are:

- To conduct joint FDPs, workshops, seminars, both national and International Conferences on topics of mutual interest and relevance.
- To share the resources, expertise and best practices of both the institutions.
- To facilitate the participation of faculty members and students of both the institutions in the FDPs, workshops and seminars, both National and International Conferences conducted by either institution.
- To explore the possibilities of joint research projects, consultancy services and publications.

2. Scope

The scope of this MOU covers the following areas:

- **FDPs:** The Parties will jointly organize FDPs on emerging topics and technologies in engineering disciplines. The FDPs will be designed to enhance the knowledge, skills and competencies of the faculty members of both the institutions. The FDPs will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the FDPs will be decided mutually by the Parties.

- **Workshops:** The Parties will jointly organize workshops on practical aspects and applications of engineering concepts and tools. The workshops will be aimed at providing hands-on experience and exposure to the faculty members and students of both the institutions. The workshops will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the workshops will be decided mutually by the Parties.

- **Seminars:** The parties will jointly organize seminars on current issues and trends in engineering domains. The seminars will be intended to provide a platform for sharing ideas, insights and experiences among the faculty members and students of both the institutions. The seminars will be conducted either online or offline or in a blended

mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the seminars will be decided mutually by the Parties.

- **Research and Incubation Cell:** The parties will explore the possibilities of undertaking joint research projects, consultancy services and publications in the areas of mutual interest and relevance. The parties will identify the research topics, objectives, methodology, funding, timeline, deliverables and other aspects of the research projects. The parties will also seek to publish the research outcomes in reputed journals and conferences. The parties will share the intellectual property rights, benefits and responsibilities arising from the research activities as per the agreed terms and conditions.

- **Exchange:** The parties will facilitate the exchange of faculty members and students for participating in the FDPs, workshops and seminars conducted by either party. The parties will also encourage the exchange of faculty members and students for pursuing research projects, consultancy services and publications. The parties will provide the necessary support and assistance to the visiting faculty members and students in terms of accommodation, transportation, access to facilities and resources, etc. The parties will also recognize the credits earned by the visiting faculty members and students as per the norms and regulations of their respective institutions.

- **National and International Conferences:** The parties will jointly organize National and International Conferences on current issues and trends in engineering domains. The background and context of the conference, such as the theme, objectives, expected outcomes, target audience. The roles and responsibilities of each party involved in the conference, such as the organizers, sponsors, speakers, participants. The terms and conditions of the collaboration, such as the duration, budget, resources, communication, reporting, evaluation. The signatures and dates of the authorized representatives of each party.

3. **Coordination:**

The parties will appoint a coordinator from each institution to oversee the implementation of this MOU. The coordinators will be responsible for:

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- Liaising with the respective authorities, departments, faculty members and students of their institutions to facilitate the smooth functioning of the activities under this MOU.

- Resolving any issues or disputes that may arise during the course of this MOU.

- Preparing and submitting periodic reports on the progress and outcomes of the activities under this MOU.

The names and contact details of the coordinators are as follows:

RIET:	Sir CRRCOE
Address :Bhoopalapatnam, Pidimgoyyi, Rajahmahendravaram-533107 Contact Details: 9121214413 E-mails: office&rietrjy.co.in Web: www.rietrjy.co.in	Name of the Coordinator: Dr M. KRISHNA Designation: Professor, CSE Dept , Sir CRRCOE Emailid:marlapallikrishna@gmail.com Contact No. : 9394501367

4. Duration

This MOU will come into effect from the date of signing by both the parties and will remain valid for a period of ONE year from **July 2018 to July 2019**. The parties may extend or renew this MOU by mutual consent in writing before the expiry of this MOU.

5. Termination

Either party may terminate this MOU by giving an advance written notice of three months to the other party. The termination of this MOU will not affect the ongoing activities under this MOU, unless otherwise agreed by both the parties.

6. Amendment

This MOU may be amended by mutual consent of both the parties in writing. Any amendment to this MOU will be signed by both the parties and will form part of this MOU.

7. Arbitration

In case of any dispute or difference arising out of or in connection with this MOU, the parties will try to resolve it amicably through consultation and negotiation. If the dispute or difference remains unresolved after 30 days of consultation and negotiation, then it will be referred to arbitration by a sole arbitrator appointed by mutual consent of both the parties. The arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. The venue of arbitration will be Vijayawada, Andhra Pradesh. The language of arbitration will be English. The award of the arbitrator will be final and binding on both the parties.

8. Miscellaneous

- This MOU is not intended to create any legal or contractual obligations or liabilities on either party.

- This MOU is not intended to confer any rights or benefits on any third party.

- This MOU is subject to the laws of India and the jurisdiction of the courts at Vijayawada, Andhra Pradesh.

- This MOU is executed in two originals, one for each party.

IN WITNESS WHEREOF, both the Parties have signed this MOU on the date and place mentioned below:

For RIET	For Sir CRRCOE
Principal signature and name:	Principal signature and name:
Dr.V.Lakshmi Narayana PRINCIPAL	Dr.G. Samba Siva Rao Principal
Date : 24-7-19 RAJAMAHENDRI INSTITUTE OF ENGINEERING TECHNOLOGY BHOOPALAPATNAM, College RAJAMAHENDRAVARAM-533 107. E.G.Dist.	Date Sir C R Reddy College of Engineering ELURU - 534 007 College Seal :

Principal

Address :Bhoopalapatnam, Pidimgoyyi
Rajamahendravaram -533107,
A.P, India
Place:Bhoopalapatnam

Principal

Sir C R Reddy College of Engineering ,
Vatluru, Eluru-534007,
Eluru District, A.P, India.
Place: Eluru

RAJAMAHENDRI
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE, New Delhi| Affiliated by JNTUK
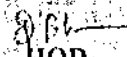Accredited by NAAC Bhoopalapatnam, RAJAMAHENDRAVARAM, AP
office@rietrjy.co.in   www.rietrjy.co.in   : +91 9121214413

Certificate Of Participation

This is to Certify that Dr./Ms./Mr./Mrs. __B. MADHAVA RAO__ working

asProf. /Assoc. Prof. /Asst. Prof. in __SIR CR REDDY COE__ College has

participated in "A One-Week Faculty Development Program on Artificial Intelligence for IOT

Services in Cloud Techniques & Applications" from 24-09-2018 to 29-09-2018

Coordinator   HOD   Principal

RAJAMAHENDRI

INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi| Affiliated by JNTUK

Accredited by NAAC Bhoopalapatnam, RAJAMAHENDRAVARAM, AP

office@rietriy.co.in : www.rietriy.co.in : +91 9121214441

Certificate Of Participation

This is to Certify that Dr./Ms./Mr./Mrs. **M SUNIL KUMAR** working

as Prof./Assoc. Prof./Asst. Prof. in **SIR CR REDDY COLLEGE OF ENGINEERING** College

has participated in "A One Week Faculty Program on Advancements in Renewable

Energy Technologies" from 20-8-2018 to 25-8-2018

Coordinator   HOD   Principal

RAJAMAHENDRI
INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE, New Delhi Affiliated by JNTUK

Accredited by NAAC Bhoopalapatnam, RAJAMAHENDRAVARAM, AP

✉ : office@rietrjy.co.in   🌐 : www.rietrjy.co.in   📞 : +91 9121214413

Certificate Of Participation

This is to Certify that Dr./Ms./Mr./Mrs. *V. RANJITH KUMAR* working as Prof./Assoc. Prof./Asst. Prof. in *S/R C R REDDY COE, Eluru* College has participated in " *A One -Week Faculty Development Program on IOT and Sensor Technologies*" from *19-11-2018 to 24-11-2018*

B. V. Jooya
Coordinator

HOD

Principal

RAJAMAHENDRI
INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE, New Delhi| Affiliated by JNTUK
Accredited by NAAC Bhoopalapatnam, RAJAMAHENDRAVARAM, AP

✉ : office@rietrjy.co.in   🌐 : www.rietrjy.co.in   📞 : +91 9121214413

Certificate of Participation

This is to Certify that Dr./Ms./Mr./Mrs. _B. H. Benny_ working
as Prof. /Assoc. Prof. /Asst. Prof. in _Sir C.R.R. COE_ College

has participated in "A One Week Faculty Development Program on Data Science and Analytics" from 11-02-2019 to 16-02-2019

Coordinator   HOD   Principal

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

DASSAULT SYSTEMS 3D EXPERIENCE CENTRE
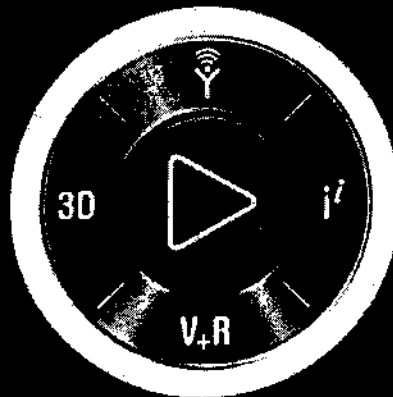
3D EXPERIENCE

MEMORANDUM OF AGREEMENT

MEMORANDUM OF AGREEMENT

BETWEEN

ANDHRA PRADESH STATE SKILL DEVELOPMENT

CORPORATION (First Party)

AND

Sir C. R. Reddy College of Engineering (Second Party)

ఆంధ్ర ప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH · CD 847857

No. 1353 Date. 27/9/2018 100/ —

d to Sri Dr. Gatta Samba Siva Rao s/o Raghavaiah
Who principal son C.R.R college of Eluru Engineering Eluru

Sub-Registrar
Ex-Officio Stamp Vend
Vatluru

MEMORANDUM OF AGREEMENT

This Memorandum of Agreement (MoA) is entered into on 7th day of August, 2018:

Andhra Pradesh State Skill Development Corporation, a Section 8 Company registered under the Companies Act, 2013 having its Corporate Office at G&J Infra Building, 3rd Floor, D No.78/2, Near NH-5, Near Pathuru Road, Tadepalli, Guntur District, Andhra Pradesh represented by Executive Director-I (hereinafter referred to as "APSSDC" or First Party, which expression shall unless repugnant to this context or meaning thereof, includes its successor in office, legal representatives and permitted assigns) of the First Part.

And

Sir C. R. Reddy Educational Institutions, an Educational Society, having its office at M R C Bhavan, Opposite to S.P. Bungalow, G.N.T. Road, Eluru – 534 007., West Godavari District, Andhra Pradesh represented by Dr. Gutta Sambasiva Rao Principal, Sir C. R. Reddy College of Engineering (hereinafter referred to as Second Party, which expression shall unless repugnant to this context or meaning thereof, includes its successor in office, legal representatives and permitted assigns) of the Second Part.

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WHEREAS

(a) APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. APSSDC is the Executive Agency for the Department of Skill Development, Entrepreneurship and Innovation, Govt. of Andhra Pradesh (GoAP) serving the important task of providing high quality skilled manpower as part of the knowledge and Skills Mission of GoAP. The main objective of the Corporation is to implement a structured and pragmatic solution to skill & upskill the workforce in the State of Andhra Pradesh and to increase employability and promote entrepreneurship in sync with Industrial growth of the State.

(b) APSSDC has signed a Memorandum of Understanding (MoU) with Dassault Systems India Private Limited to set up a 3D-experience center (3D-EC) for skill development in the State of Andhra Pradesh in the domains of Aerospace, Automotive and Ship-building and also provide skill development/ training for estimated 1 Lakh students in various certification courses in the next three (3) years starting from academic year 2018-19.

(c) In its endeavours to enhance the Employability Skills of Diploma/Under Graduate and Post Graduate course perusing students, the first party (APSSDC) has selected some of the leading Engineering Colleges for providing the infrastructural facilities additionally required for running the Skill Development programs. In this direction, through this MoA, the First party(APSSDC) intends to associate with   Sir C. R. Reddy College of Engineering to train different segments of students and Job seeking youth in systematic enhancement of Employability Skills towards gainful employment for students / Job seekers;

(d) The Second Party having been into Educational services through its College by name Sir C. R. Reddy College of Engineering submitted a proposal to the first party, upon understanding the requirements and functions of proposed 3D-experience Centres (3D-EC). As the second party has intention and requirements as per criterion and agreed to provide services to the first party on the terms and conditions as set forth in this MoA.

(e) In pursuance thereof, the parties have agreed to enter into this Agreement.

A. PURPOSE:

The purpose of this MoA is to sort out the roles and responsibilities of both parties in establishing and managing 3D-Experience Center (3D-EC) for Diploma/ UG/ PG studying candidates in various Polytechnics/Engineering Colleges/University Campuses to enhance employability of students.

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ROLES AND RESPONSIBILITIES:

B. FIRST PARTY

The APSSDC shall

- select reputed engineering colleges/Universities through a stipulated procedure;

- provide a platform for registration of trainees online and mapping of institutions and students;

- identify and provide course curriculum to suit latest and future technologies;

- prepare over all calendar of programs and communicate to Second Party;

- Organize Training Programs for all Diploma/ Under Graduate and Post Graduate students. The programs would be of nature, common core (for all students) and modular (elective in nature);

- depute required manpower to manage and co-ordinate Trainings in 3D-EC;

- Install requisite IT infrastructure as listed in Schedule -1 in the 3D-experience Centers (3D-EC) in the earmarked rooms by the second party;

- prepare operational guidelines for 3D-EC to be followed by both the parties;

- will take care of insurance and regular maintenance pertaining to Hardware provided;

- promote Research & Development and Innovation for existing Industries;
- have right on any undefined business and activity that falls under purview of this MoA;

- exercise its right to cancel the permission now granted to the institutions in the event of not fulfilling their obligations.

C.SECOND PARTY

The Academic Institution shall

- provide the building space in terms of Two (2) Computer Labs and One (1) E-Class room with a minimum seating capacity of 60 each room space at the College premises to the First Party for establishing the 3D-experience center allocated to the Second Party. The

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second party shall ensure adequate furniture, electrical fixtures and Power backup in the class rooms and labs;

➤ be responsible for ensuring proper physical security of the IT & other electronic items as per schedule-1. Towards security, the second party shall do necessary arrangements and ensure the security for the items;

➤ ensure internet connectivity of at least 150Mbps bandwidth;

➤ mobilize faculty and students of the college/institution for trainings and Certification;

➤ facilitate trainings for different segments namely students within campus, students from other colleges and job seeking youth and the college shall allow its students to attend programs, take assessments and interviews as per schedule communicated by first party;

➤ provide separate Toilets to the boys and girls, who undergone training at the 3D-experience Center;

➤ put necessary efforts and ensure maximum participation of students belonging to Scheduled Caste (SC) and Scheduled Tribe (ST) Categories in the college;

➤ appoint a Centre Coordinator as Single point of contact person (SPOC) for all admin and programme related activities with the Second Party at the 3D-experience Centre for smooth running of the 3D-EC;

➤ actively participate in the 3D-EC Programs, communicate feedback from the college and students, suggesting for betterment of 3D-EC programs towards maximizing reach;

➤ arrange for common facilities of housekeeping, security, electrical supply, Drinking and usage water to the Toilets for the students;

➤ mark the daily attendance in the suggested mode (manual or bio metric or iris scan or so) by the SPOC of Second Party in coordination with 3D-EC Coordinator;

> facilitate in collecting the registration fee as communicated by the First Party, from the candidates provided by the Second Party;

> ensure that the software supplied by the first party should not be used other than for the training programs as mentioned in this MoA;

> follow Operational Guidelines as issued by first party from time to time in maintaining activities in 3D-EC.

Compliances:

- **KPIs** – Key Performance Indicators (KPIs) will be developed in mutual consultation with colleges and APSSDC.

- **Monitoring:** The activities of 3D-EC shall be regularly monitored through an IT monitoring system at APSSDC on a real time basis and also through the monitoring committee of APSSDC.

- **Management Information System:** To submit all reports and documents relating to progress of the students on rolls, Accounts, Audit and Annual Work Plan, as specified at such frequency as may be required by APSSDC.

- Details of Data of Number of students passed out, placed (Trained for Employability), and unplaced on year-on-year basis.

- Institutions will face punitive action if found to be:
  - ❖ Charging capitation fee or indulging in any other malpractice
  - ❖ Provided false data in their reports
  - ❖ Unable to achieve targets set by APSSDC/themselves in Proposals consistently
  - ❖ Any non-compliance with the terms and conditions of this Agreement

D Responsibilities of both the Parties

Both the Parties agree that:

D.1. The Parties shall diligently perform their respective obligation under the Agreement as per the procedure set forth above.

D.2. To get the evaluation of the programs done by third party for assessing the impact with respect to quality and quantitative placements.

D.3. Neither Party shall share any Confidential Information with any other party. The sharing of such database by each other will be on trust that it will not be used by either Party for providing any kind of information to any third party.

D.4. The Parties agree to use the Confidential Information only for the purposes of this Arrangement and only as permitted herein under this MoA.

D.5. The 3D-EC shall exclusively be used for in program to be assigned by the First Party to Second Party.

E: Ownership of Assets:

The Second Party irrevocably and unconditionally agrees that the assets provided by the First Party shall not be used for other purposes. The ownership of the IT Infrastructure/assets shall lie with APSSDC whereas the second party, would be the custodian of the installed assets.

F. Arbitration:

The Parties shall endeavour to resolve all or any dispute or difference arising out of or in connection with this Agreement, amicably within 30 days of notice in writing being issued by the non-defaulting party to the defaulting party indicating such dispute or difference. In case no amicable solution is arrived between the Parties within the said 30 days, then such dispute/s shall be settled through arbitration as per the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time. The arbitration shall be done by Sole Arbitrator appointed by APSSDC. The written award of the Arbitrator shall be final and binding on all the Parties. The seat and venue for the arbitration proceedings shall be at Vijayawada, Andhra Pradesh.

G. Termination of MoA:

The first (APSSDC) party shall have the right to terminate this MoA without assigning any reasons by giving prior written notice of 60(Sixty) days through its authorized signatory. Without prejudice to the above, either Party may terminate this MoA by giving 30 (Thirty) days' written notice through its authorized signatory in the event of any material breach of any of the material terms of this MoA by the other Party. The non-defaulting party shall first serve a written notice of its intention to terminate this MoA to the defaulting party highlighting the material breach and giving the defaulting party a period of 30 days or such extended period as may be mutually agreed to within which to remedy the material breach. Should such event of a material breach remain unresolved/unrectified within the said notice period of 30 days or such extended period as may be mutually agreed to, the non-defaulting shall be able to terminate the MoA forthwith.

H. Representations and Warranties by the Parties

In addition to the above, the Parties hereto represent and warrants to other Parties as under:

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a) That it is duly organized and validly existing under the laws of the jurisdiction in which it was incorporated and has the necessary corporate power and authority under applicable Laws to carry on its business and or perform its functions.

b) That this MoA

    I. is within its powers and has been duly authorized by it; and

    II. does not conflict in any material respect with any law or regulation or its constitutional documents or any document binding on it and that it has obtained all necessary consents for the performance by it under this MoA.

c) That all information set forth in this MoA is true and correct and is not misleading in letter and spirit.

I. PERIOD OF VALIDITY:

This MoA shall become effective from the date hereof and shall be in force for a period of three years, unless terminated by mutual consent of the parties.

J. LIMITATION OF LIABILITY

Except as agreed and provided under this Agreement, neither of the Parties shall be liable to bear or pay any damages arising out of loss of income, loss of profit, special, incidental, indirect, punitive, exemplary or consequential, to any party including third parties, and all such damages are expressively disclaimed.

K. NOTICES:

Unless otherwise provided herein, all notices or other communications under or in connection with this MoA shall be in English, will be issued in writing and shall be signed by the authorized representative of the issuing / serving Party and may be sent by personal delivery or post or courier or facsimile to the address given above. Any such notice or other communication will be deemed to be effective if sent by personal delivery, when delivered, if sent by post, three days after being deposited in the post and if sent by courier, two days after being deposited with the courier.

L. COMMUNICATIONS AND PUBLICITY:

The Second Party shall ensure that the name and logo of the first party should appear in all publication material. The Second Party shall ensure that the sign board depicting the name of the First Party be affixed outside the college. The Parties shall consult and agree on all and any intended communications, publications, presentations and documentations relating to this Arrangement/ MoA(jointly the "Communication(s)") in advance prior to the intended release. If a MoA cannot be reached, a Party shall have the right to disclaim endorsement and/or

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dissociate itself from that Communication(s). No party shall use logo/trade mark etc. of each of the parties without obtaining its prior written concurrence to that effect.

M. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:

AMENDMENT: Amendment within the scope of the instrument shall be made by mutual consent of the parties, by the issuance of a written modification, signed, and dated by all parties, prior to any changes being performed but all rights reserved by First Party can change any point of time needed.

INFORMATION OWNERSHIP: All information provided by First Party shall only be utilized for conducting training and placement assistance and First Party holds no ownership over the content prepared by Second party. First Party will in no way share or distribute any information received with other public or private agencies, organizations, and individuals.

PARTICIPATION IN SIMILAR ACTIVITIES: This instrument in no way restricts First Party from participating in similar activities with other public or private agencies, organizations, and individuals.

NON-FUND OBLIGATING DOCUMENT: This instrument is neither a fiscal nor a funds obligation document.

ESTABLISHMENT OF RESPONSIBILITY: This MoA is not intended to, and not create any right benefit or trust responsibility, substantive or procedural, enforceable at law, by a party against First Party or Second Party.

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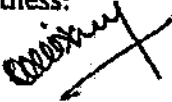
The parties hereto have executed this agreement as of the last written date below.

For Andhra Pradesh State Skill
Development Corporation

For Sir C.R. Reddy College
of Engineering

T. Anil Kumar
Executive Director - T

Dr. Gutta Sambasiva Rao
Principal
Sir C.R.Reddy College of Engineering
Principal

(With stamp) **SIR C.R.R. COLLEGE OF ENGINEERING**
ELURU - 534 007.

Witness:

Witness:

Kommareddy Rambabu
Correspondent
Sir C. R. Reddy College of Engineering

(with stamp)
CORRESPONDENT
Sir C.R.R. College of Engineering
ELURU - 534007

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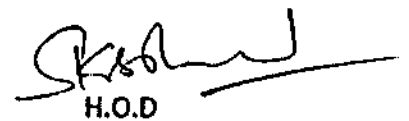
SIR C.R. REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

Notice

Date: 01-12-2018

It is to inform all the I.T Students & Staff that "An **INTERNATIONAL CONFERENCE ON COMPUTER VISION AND MACHINE LEARNING (ICCVML-18)** is going to jointly organized by Departments of I.T & C.S.E on 27TH & 28TH DECEMBER 2018.Hence all the students and staff are advised to participate in this program and get benifited.

H.O.D

Dept. of I.T

HEAD OF THE DEPARTMENT
Information Technology
Sir C.R.R. College of Engg.
El...

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Dt: 21.12.18

NOTICE
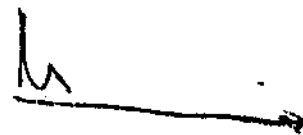
All the staff members and PG students of CSE Dept are hereby informed to attend Two day international Conference on Machine Learning from 27-12-2018 to 28-12-2018.

Schedule:

Session-I   9:30 A.M. to 12:30 P.M.
Session-II   2:00 P.M . to 4:30 P.M.

Venues:

1. A/C Auditorium for inaugural function.
2. A/C Seminar Hall

HOD, CSE Dept.

Head of the Department
Computer Science & Engineering
Sir C R.R. College of Engineering
ELURU - 534 007

C.R.REDDY COLLEGE OF ENGINEERING, ELURU

Invitation

You are cordially invited for the Inauguration of Two Day International Conference on
COMPUTER VISION & MACHINE LEARNING (ICCVML-2018)
On 27-12-2018 at 10-00 A.M. in Sri Garapati Chinakanakaiah Chowdary A.C. Auditorium

CHIEF GUEST

Prof. P. Udaya Bhaskar, Chairman, A.P.P.S.C, Andhra Pradesh

KEY NOTE SPEAKER

Prof. Anthony James Lolas, Walden University, Columbia, U.S.A

Prominent Guests

Prof. P. Suresh Varma,
Rector, AKNU, Rajahmahendravaram

Sri Kommareddy Rambabu
President Sir C.R.Reddy Educational Institutions & Correspondent,
Sir C.R. Reddy College of Engg., Will Preside over the function

Guests of Honour

Dr. V.V. Balakrishna Rao
Vice-President, Sir C.R.Reddy Educational Institutions

Sri Kakarala Rajendra Vara Prasad Rao
Vice-President, Sir C.R.Reddy Educational Institutions

Sri N.V.K. Durga Rao
Secretary, Sir C.R.Reddy Educational Institutions

Sri A.V.Subrahmanyam
Joint Secretary, Sir C.R.Reddy Educational Institutions

Sri Magantti Damodara Ravindranath Chowdary
Joint Secretary, Sir C.R.Reddy Educational Institutions

Smt. Magantti Padmavalli Devi
Treasurer, Sir C.R.Reddy Educational Institutions

Dr. G. Sambasiva Rao, M.Tech., Ph.D.,
Principal, Sir C.R.Reddy College of Engineering

--- HoDs, Staff, Students of the Depts. of CSE and IT

SIR C.R.(EI)Y COLLEGE OF ENGINEER(IG::ELURU
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
LIST OF PARTICIPANTS FOR THE EVENT OF ICCVML-2018

DATE : 27-12-2018

| SNO	NAME	University/College Name	DEPT.
1	K Sandhya Rani Kundra	GVPCE(A),VISAKHAPATNAM	IT
2	J Hyma	ANITS ,VISAKHAPATNAM	CSE
3	P V G D Prasad Reddy	ANDHRA UNIVERSITY ,VIZAG	CSE
4	K Venkata Rao	ANDHRA UNIVERSITY ,VIZAG	CSE
5	S Venkataramana	S.R.K.R Engineering College, Bhimavaram	IT
6	B V D S Sekhar	S.R.K.R Engineering College, Bhimavaram	IT
7	N Deshai	S.R.K.R Engineering College, Bhimavaram	IT
8	V V S S S Chakravarthy	Raghu Institute of Technology, Visakhapatnam	ECE
9	S Krishna Rao	Sir CRR College of Engineering, Eluru	IT
10	N Deshai	S.R.K.R Engineering College, Bhimavaram	IT
11	S Venkataramana	S.R.K.R Engineering College, Bhimavaram	IT
12	B V D S Sekhar	S.R.K.R Engineering College, Bhimavaram	IT
13	K Srinivas	S.R.K.R Engineering College, Bhimavaram	IT
14	P Sundhar Singh	S.R.K.R Engineering College, Bhimavaram	IT
15	L NagaKrishna	S.R.K.R Engineering College, Bhimavaram	IT
16	Sundhar singh Pitta	S.R.K.R Engineering College, Bhimavaram	IT
17	Raghuram Cheepurupalli	S.R.K.R Engineering College, Bhimavaram	IT
18	A Neelima	S.R.K.R Engineering College, Bhimavaram	IT
19	Dr Shirin Bhanu Koduri	Sri Vasavi Engineering College, Tadepalligudem	CSE
20	Loshma Gunisetti	Sri Vasavi Engineering College, Tadepalligudem	CSE
21	Ch Raja Ramesh	Sri Vasavi Engineering College, Tadepalligudem	CSE
22	K V Mutyalu	Sri Vasavi Engineering College, Tadepalligudem	CSE
23	D. Ganesh	Sri Vasavi Engineering College, Tadepalligudem	CSE
24	SistlaVasundhara Devi	ICFAI Foundation for Higher Education, Hyderabad	ECE
25	Harika Devi Kotha	ICFAI Foundation for Higher Education, Hyderabad	ECE
26	Harika Devi Kotha	ICFAI Foundation for Higher Education, Hyderabad	ECE
27	Madhumitha Tummanapally	ICFAI Foundation for Higher Education, Hyderabad	ECE
28	Vikash Kumar Upadhyay	ICFAI Foundation for Higher Education, Hyderabad	ECE
29	Nagarjuna Valeti	Sri Harshini Degree & PG College, AP	
30	V Ceronmani Sharmila	Sir C R Reddy College of Engineering, Eluru	ECE
	M Arunasafali	Acharya Nagarjuna University	CSE
	Chittineni Suneetha	Rvr & Jc College Of Engineering, Guntur	CSE

33	M ArunaSafali	Acharya Nagarjuna University	CSE
34	Dr R Satya Prasad	Acharya Nagarjuna University	CSE
35	Dr KBS Sastry	Andhra Loyola College (Autonomous), Vijayawada	CSE
36	Dr Adimulam Yesu Babu	Sir C R Reddy College of Engineering, Eluru	CSE
37	Dr Deepak Nedunuri	Sir C R Reddy College of Engineering, Eluru	CSE
38	Ch Madhava Rao	Sir C R Reddy College of Engineering, Eluru	ECE
39	Homer Benny Bandela1	Sir C R Reddy College of Engineering, Eluru	CSE
40	M.Ganesh Babu	Sir C R Reddy College of Engineering, Eluru	CSE
41	Donavalli Venkata Vidya Deepthi	Sir C R Reddy College of Engineering, Eluru	CSE
42	Chalasani Srinivas	Sir C R Reddy College of Engineering, Eluru	CSE
43	Sri Krishna Chaitanya Rudraraju	Sir C R Reddy College of Engineering, Eluru	CSE
44	Vemuri Jayamanasa	Sir C R Reddy College of Engineering, Eluru	CSE
45	D Venkata Vidya Deepthi1	Sir C R Reddy College of Engineering, Eluru	CSE
46	B Homer Benny	Sir C R Reddy College of Engineering, Eluru	CSE
47	K Sreenu	Sir C R Reddy College of Engineering, Eluru	CSE
48	K Sreenu1	Sir C R Reddy College of Engineering, Eluru	CSE
49	B R S Reddy2	RCE,ELURU	CSE
50	S Jaya Prakash	Sir C R Reddy College of Engineering, Eluru	CSE
51	K Varada Raj Kumar	Sir C R Reddy College of Engineering, Eluru	CSE
52	Dr Deepak Nedunuri	Sir C R Reddy College of Engineering, Eluru	CSE
53	Kothapalli Chaitanya Deepthi	Sir C R Reddy College of Engineering, Eluru	CSE
54	Kothapalli Chaitanya Deepthi1	Sir C R Reddy College of Engineering, Eluru	CSE
55	Dasari Ashok	Chirala Engineering College, Chirala	CSE
56	Dr M Krishna	Sir C R Reddy College of Engineering, Eluru	CSE
57	K Naga Madhavilatha	Acharya Nagarjuna University	CSE
58	Dr G Rama Mohan Babu	Rvr & Jc College Of Engineering, Guntur	CSE
59	K Swathi	Sir C R Reddy College of Engineering, Eluru	CSE
60	P Naga deepthi	Sir C R Reddy College of Engineering, Eluru	CSE
61	M Ganesh Babu	Sir C R Reddy College of Engineering, Eluru	CSE
62	Dr Sudam Sekhar Panda	Vignan Foundation for Science Technology & Research	MATHS
63	Homer Benny Bandela	Sir C R Reddy College of Engineering, Eluru	CSE
64	M Madhava Rao	Sir C R Reddy College of Engineering, Eluru	CSE
65	J S V Gopala Krishna	Sir C R Reddy College of Engineering, Eluru	CSE
66	P Naga Deepthi	Sir C R Reddy College of Engineering, Eluru	CSE
67	Dr Raju Anitha	KLEF, Vaddeswaram	CSE
68	K Swathi	Sir C R Reddy College of Engineering, Eluru	CSE
	V Pranav	Sir C R Reddy College of Engineering, Eluru	CSE
	P Satish Kumar	Chirala Engineering College, Chirala	CSE
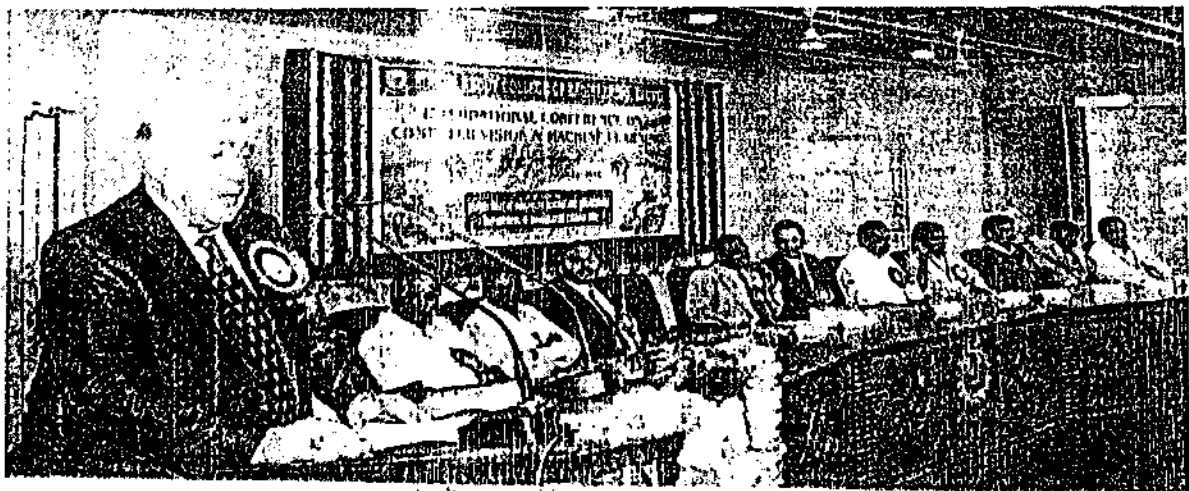
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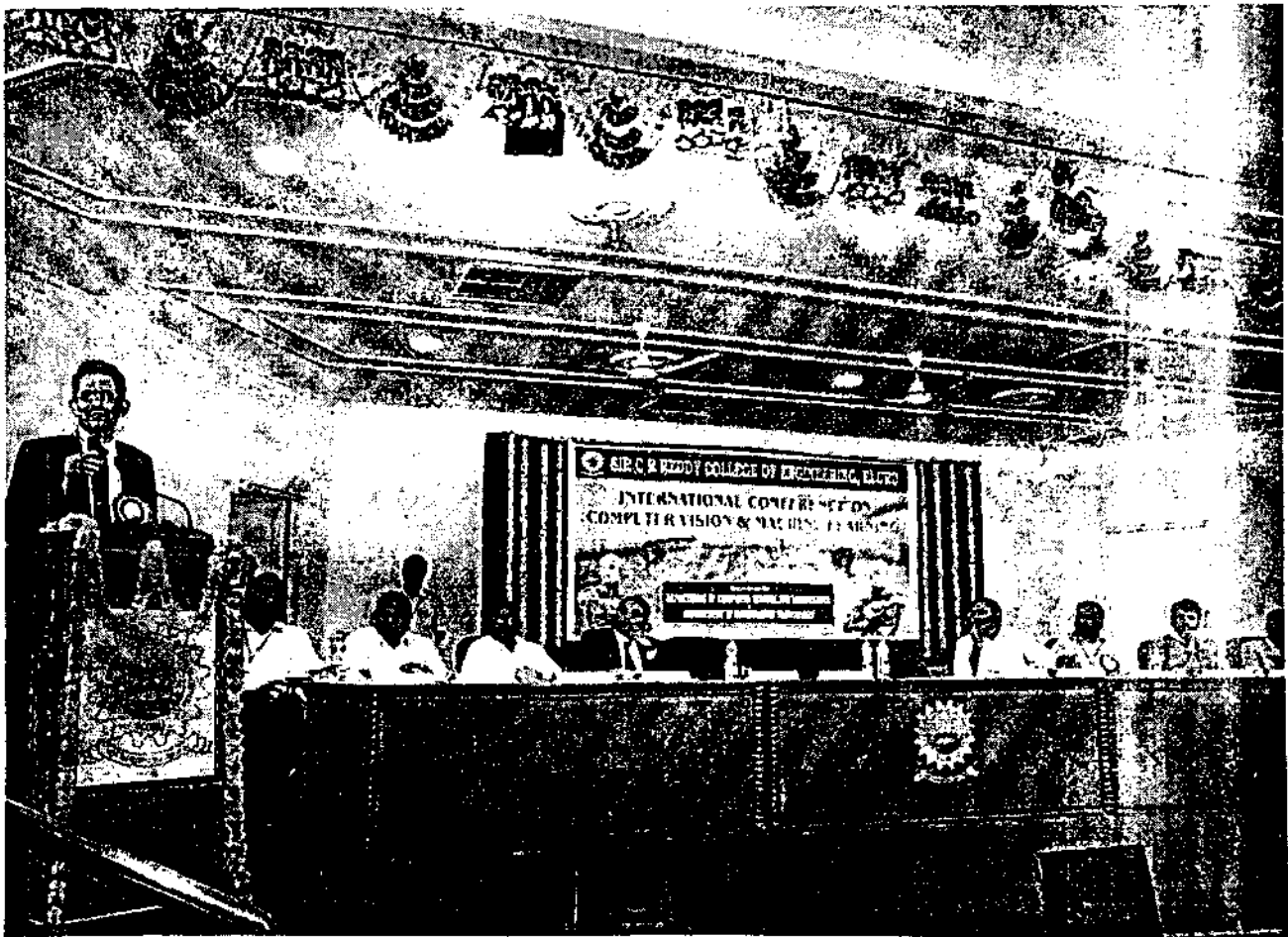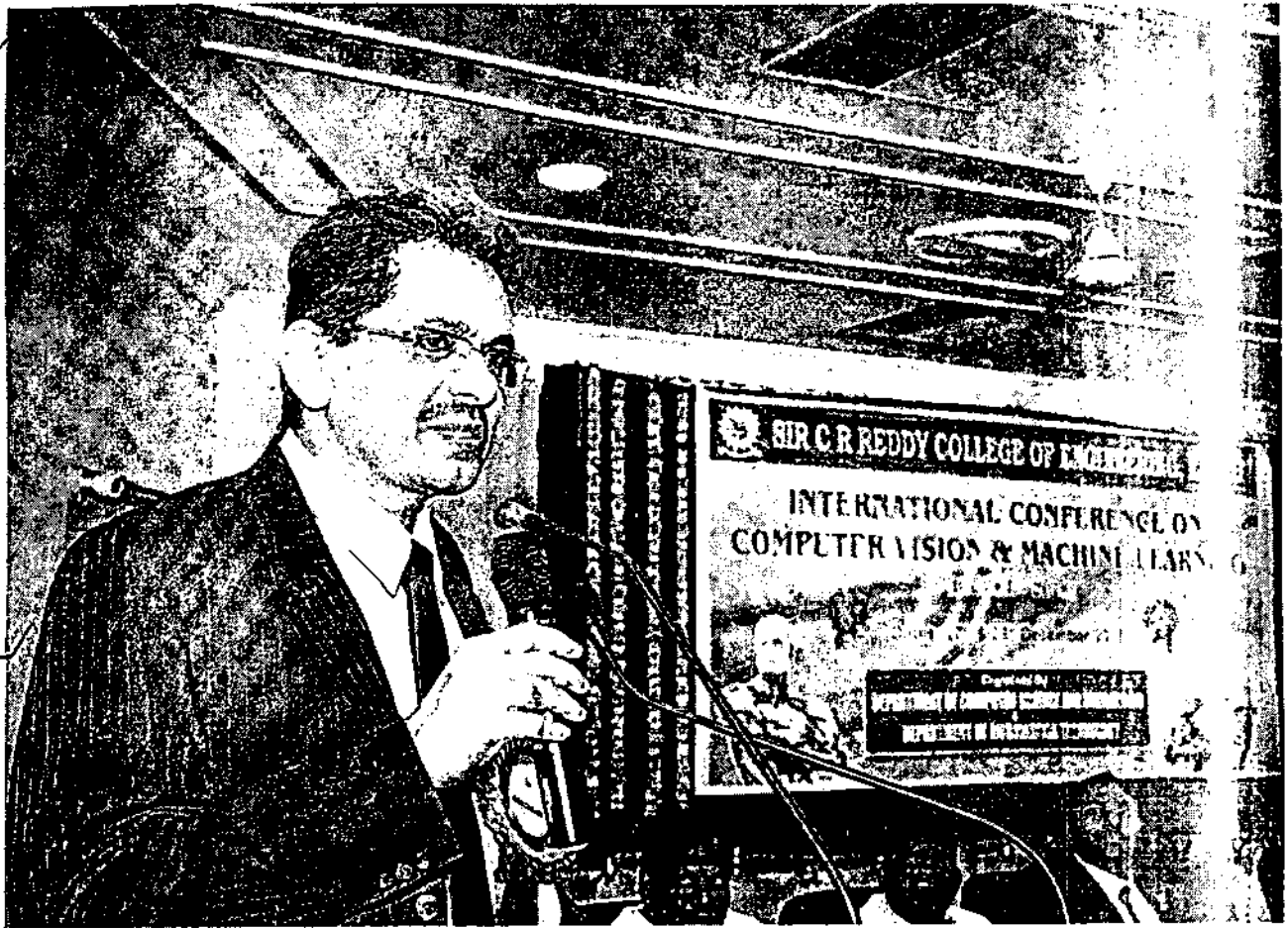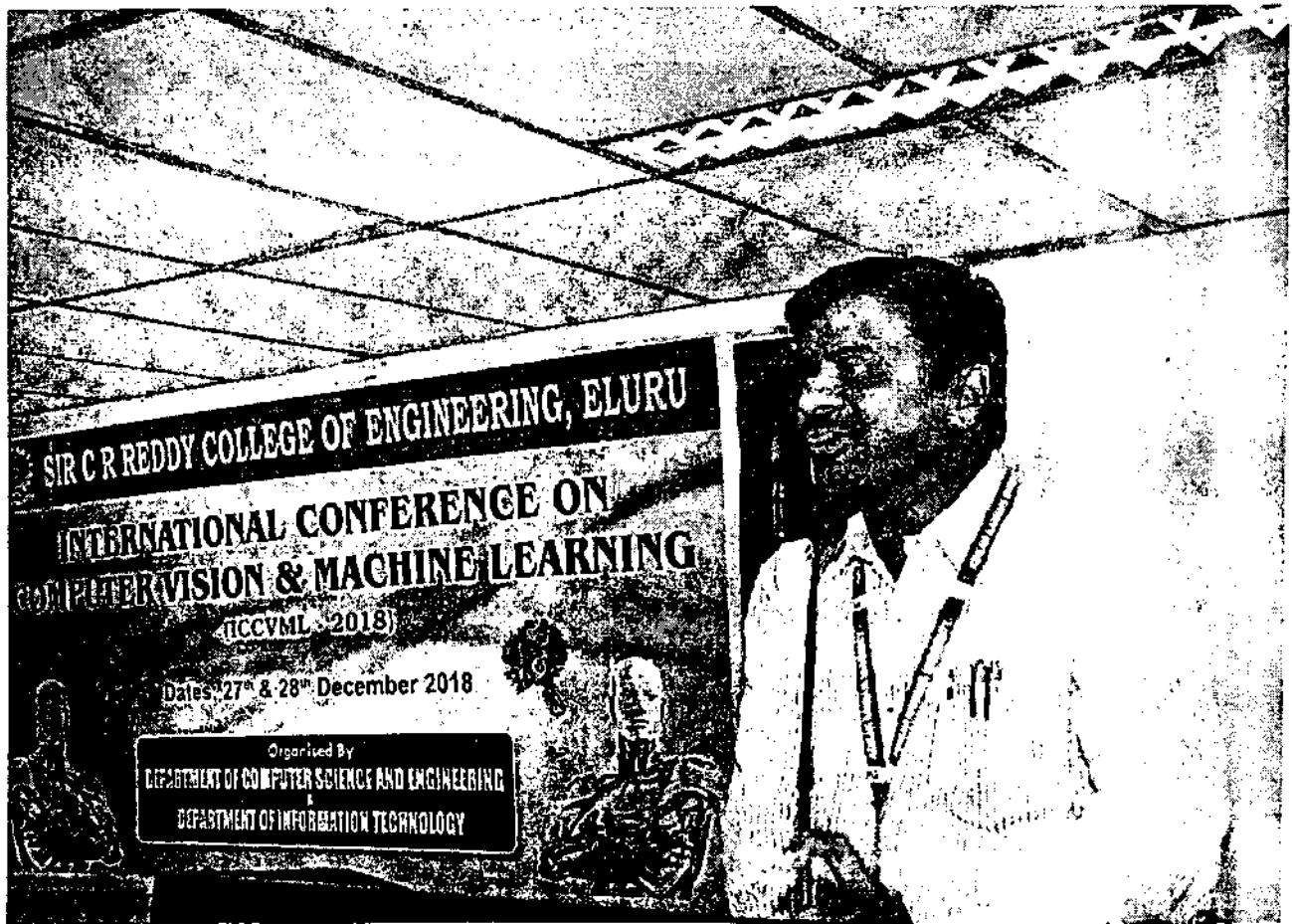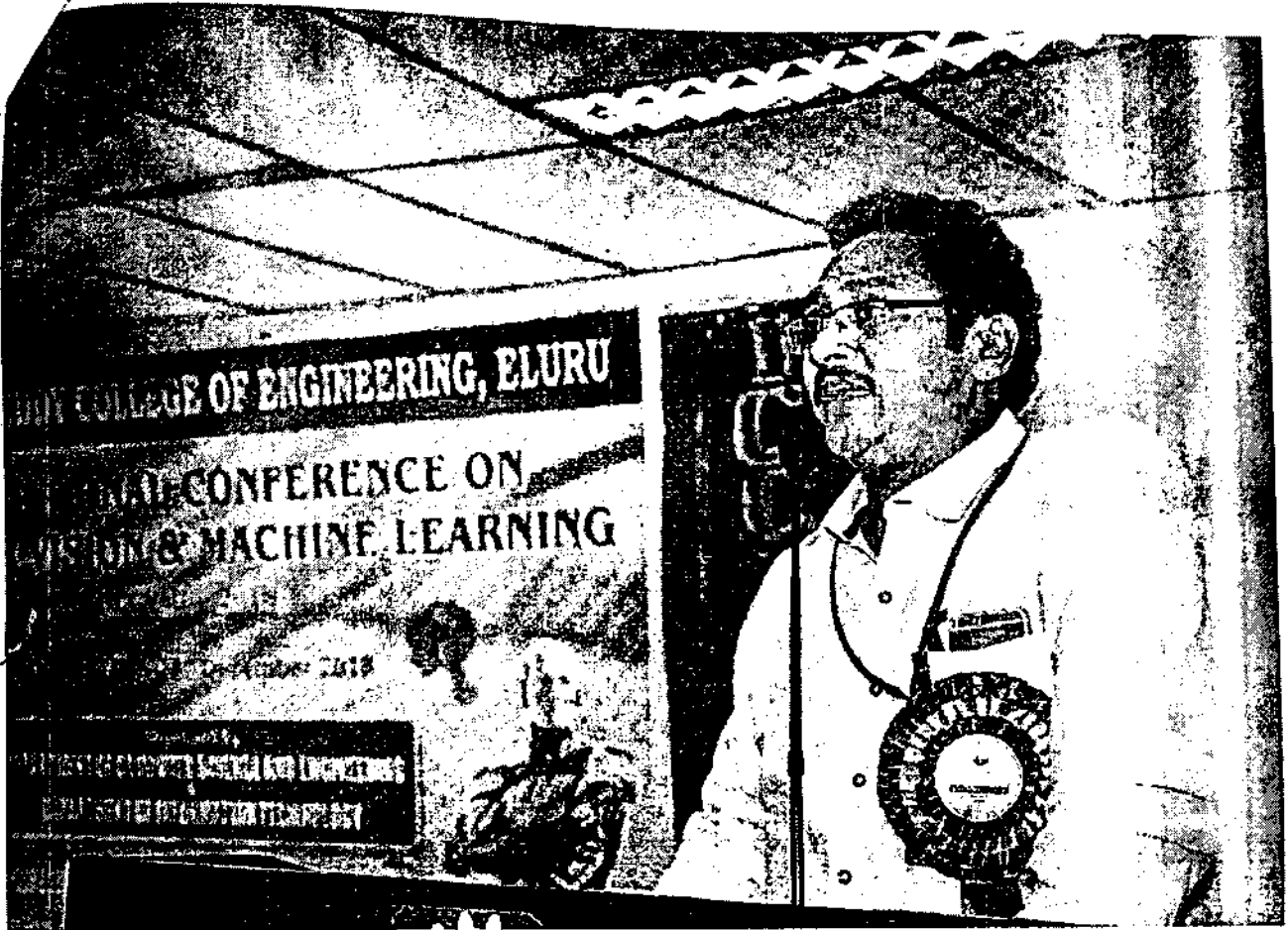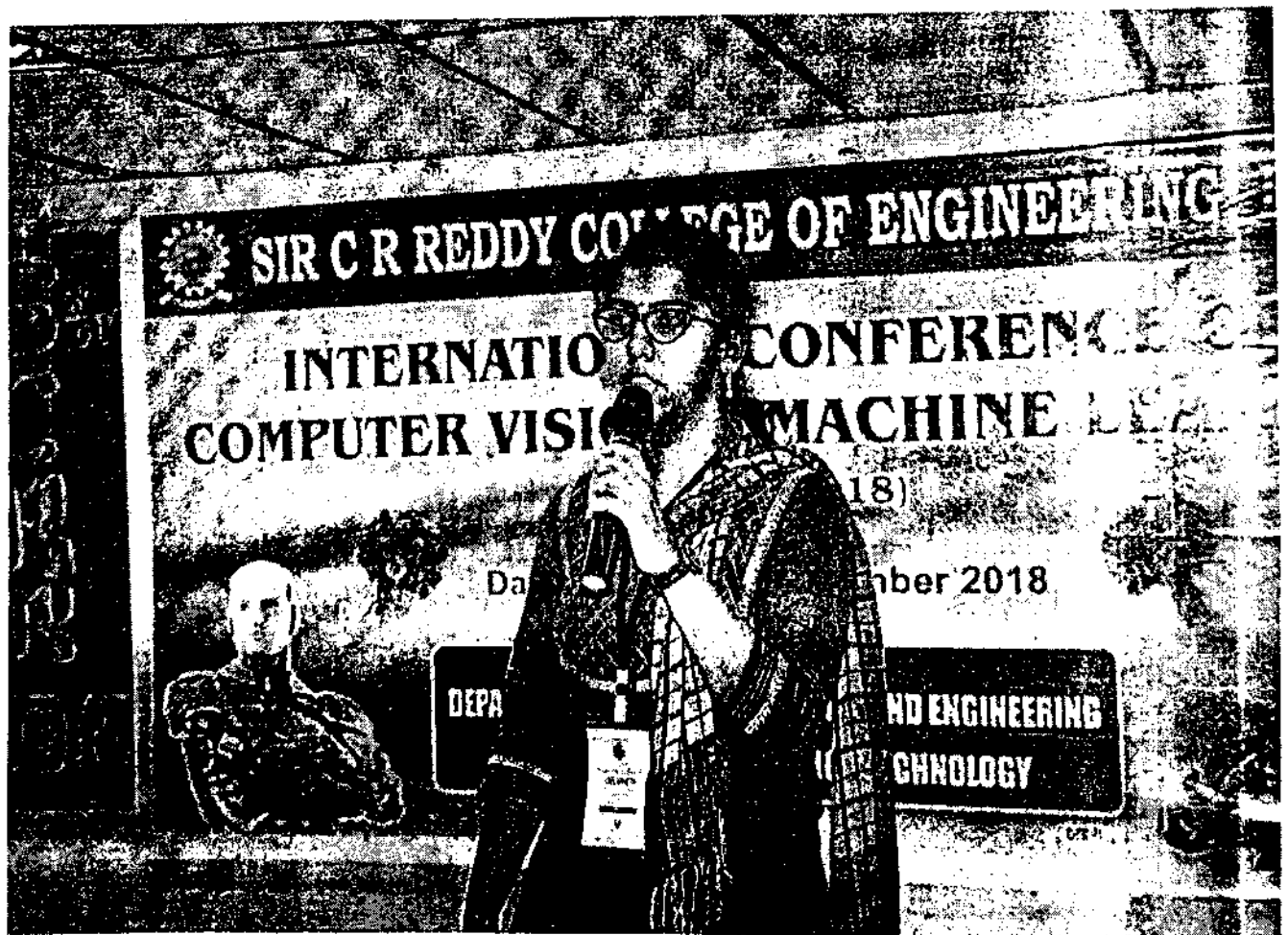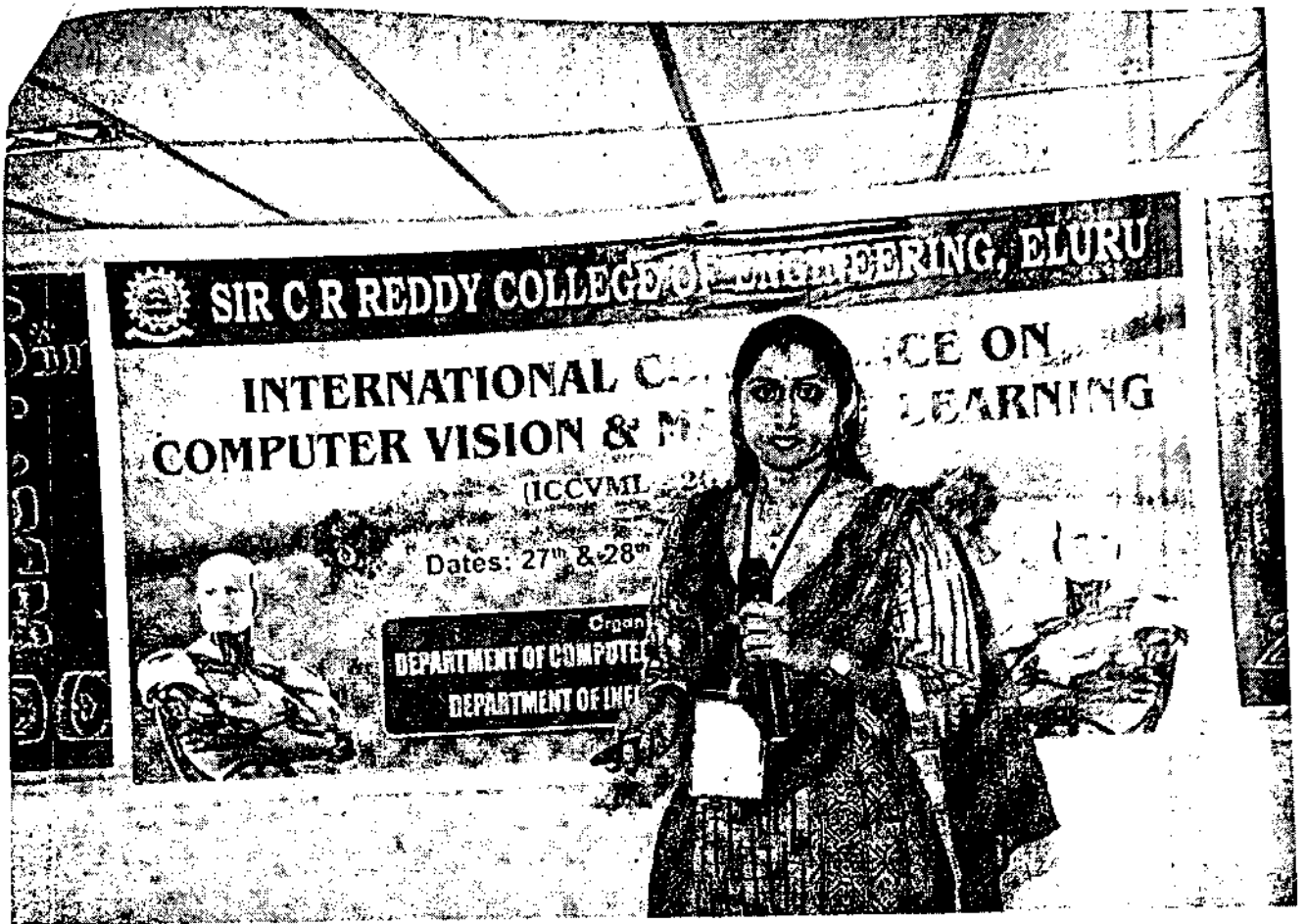
SIR C.R. REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

Notice

Date: 8-10-2018

It is to inform all the III/IV I.T Students that **"A 3 DAY WORKSHOP ON GOOGLE ANDROID DEVELOPER"** in association with APSSDC is going to organize from 9TH, 10TH & 11TH OCTOBER 2018.Hence all the students are advised to make utilize this opportunity.

H.O.D

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

SIR C R REDDY COLLEGE OF ENGINEERING,ELURU

DEPARTMENT OF INFORMATION TECHNOLOGY

Cordially invites you to attend the

3-DAY WORKSHOP ON

" GOOGLE ANDROID DEVELOPER "

On 9TH ,10TH & 11TH OCT,2018.

Sri. KOMMAREDDY RAMBABU,

President *Sir C.R.Reddy Educational Institutuions &*

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

has kindly consented to be the Chief Guest

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

APSSDC Team

Venue: IT COMPUTER LAB-1

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

Date: 03-10-2018

To
Principal

Sub: Requesting for the permission to conduct Google Android Developer Workshop for 3/4 students-Reg.

Sir,

An ever-growing number of enterprises are adopting Android to build custom mobile apps to considerably boost their revenues and attain tremendous business growth. Android is free and an open platform built on Linux. It is an open source solution for mobile devices offering a complete software stack including operating system, middleware, and key mobile applications. By knowing the tremendous usage of Mobile applications and make students Industry ready and improve Employment skills among students, Dept. of IT planned to conduct 3 Day Hands-on Google Android Developer workshop. A team of Android Developers from APSSDC are going to handle the workshop. They are agreed to charge Rs.250/- for each Student after negotiation for 100 No. of students. So, the total budget for the conduction of workshop is Rs.25, 000/-(Twenty Five Thousand Rupees) which doesn't include Accommodation and food arrangements on it. kindly give permission to conduct the workshop on 4th,5th and 6th of October 2018.

Thanking you sir,

Note: Tentative dates for the conduction of the workshop: 4th,5th and 6th of October 2018.

HoD

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

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

Andhra Pradesh State Skill Development Corporation(APSSDC)
(Department of Skill Development & Training, Govt. of Andhra Pradesh)

Skill AP
A P S S D C

Program wise report

☰ Q ←

Program >> Google Android Developer Fundamentals Workshop , Course >> Google Android Fundamentals Phase - 1

S.No.	Registration Id	Name	Email	Phone	Category	Payment	Edit	Action
1	31617111089	P Yaswini Reddy	yaswinireddy.p3@gmail.com	9100923453	OC	SUCCESS	/	🗑
2	31617711021	Cherela.Manikanta Lakshman Kumar	manikanta94900cherela@gmail.com	9490013084	BC-B	SUCCESS	/	🗑
3	31617711097	Penugonda Siva Sankar Reddy	sankarreddyprince@gmail.com	9703814255	OC	SUCCESS	/	🗑
4	316177111001	Adari Janaki Venkata Sairam Naidu	sairamkingofking@gmail.com	7286043980	BC-D	SUCCESS	/	🗑
5	316177111002	Adivi.Swetha	adiviswethasri1998@gmail.com	9110316456	OC	SUCCESS	/	🗑
6	316177111003	A Vasanthi	akulavasanthi357@gmail.com	7893131392	OC	SUCCESS	/	🗑
7	316177111004	Ambati Subbaiah	subbaiah8142@gmail.com	7780586742	BC-D	SUCCESS	/	🗑
8	316177111005	A.Mounika	mounikachowdary.anumolu99@gmail.com	9603178689	OC	SUCCESS	/	🗑
9	316177111008	Hema Chandra	hemachandhra.a@gmail.com	8817018515	BC-A	SUCCESS	/	🗑
10	316177111009	B.Madhuri	madhurichowdary173@gmail.com	8247368435	OC	SUCCESS	/	🗑
11	316177111011	Bhogavalli Chandrakala	chandrakalabhogavalli@gmail.com	9652659940	OC	SUCCESS	/	🗑
12	316177111012	Bhuthanapalli Rajasekhar	rajashekarp94@gmail.com	7995384748	OC	SUCCESS	/	🗑
13	316177111013	Bodipudi Kishore Babu	kishorebabu1132457@gmail.com	9515307938	OC	SUCCESS	/	🗑
14	316177111014	Bokka Mohan Krishna	mohankrishna1452@gmail.com	9515644606	BC-B	SUCCESS	/	🗑
15	316177111015	Bollareddy Harshitha	bollareddyharshitha15@gmail.com	7032371256	OC	SUCCESS	/	🗑
16	316177111016	Bommisetti Leela Rama Jyothi	leelasmiley8809@gmail.com	7680910379	OC	SUCCESS	/	🗑
17	316177111019	Sai Kiran Chandu	saikiranchandu111@gmail.com	7799892646	OC	SUCCESS	/	🗑

S.No.	Registration Id	Name	Email	Phone	Category	Payment	Edit	Action
18	316177111020	Ch.Sivajyothi	shivaajyothich1998@gmail.com	8978389489	BC-B	SUCCESS	✏	🗑
19	316177111022	Ch.Dwarakanath	dwarakanath8899@gmail.com	9640392257	BC-B	SUCCESS	✏	🗑
20	316177111023	Ch.Sneha Durga	snehachilukuri89@gmail.com	8142613528	OC	SUCCESS	✏	🗑
21	316177111024	Ch.Raga Malika	ragamalika.chinnamsetti@gmail.com	7036990703	OC	SUCCESS	✏	🗑
22	316177111025	Ch Mohan Rupa Chitti	roopachinta@gmail.com	8333126156	OC	SUCCESS	✏	🗑
23	316177111026	Chirumamilla Harika	harikachirumamilla31@gmail.com	9966594855	OC	SUCCESS	✏	🗑
24	316177111027	Raviteja Chirumamilla	raviteja.chirumamilla@gmail.com	7207510501	OC	SUCCESS	✏	🗑
25	316177111028	Ch.Alekhya	chitturlalekhya1999@gmail.com	7993551277	BC-B	SUCCESS	✏	🗑
26	316177111029	D.Deepthi	deepthichowdary171998@gmail.com	8919996841	OC	SUCCESS	✏	🗑
27	316177111030	Darsi Murali Mohan	darsimurali30@gmail.com	9704992751	OC	SUCCESS	✏	🗑
28	316177111031	Dasari Vineeth	vineethd24@gmail.com	9989469384	BC-D	SUCCESS	✏	🗑
29	316177111032	Dhulipalla Manoj	manoj.dhulipalla@gmail.com	7013030990	OC	SUCCESS	✏	🗑
30	316177111034	Donga. Ramadevi	ramadevid920@gmail.com	8367274417	BC-B	SUCCESS	✏	🗑
31	316177111036	Vamsi Sai Garapati	garapativamsisai@gmail.com	9121707351	OC	SUCCESS	✏	🗑
32	316177111038	Gonaboina Ravivarma	ravigonaboina@gmail.com	9491761677	BC-D	SUCCESS	✏	🗑
33	316177111039	Gonaboina Vinay Siva Krishna	vinaysivakrishna2468@gmail.com	9133464612	BC-D	SUCCESS	✏	🗑
34	316177111040	G.Swamy Satyendra	satyendragopisetti@gmail.com	9494607127	OC	SUCCESS	✏	🗑
35	316177111041	Pavan Kumar	pavangosani2@gmail.com	9963292197	BC-D	SUCCESS	✏	🗑
36	316177111043	Krishna Jagannadh	krishnajagannadh19@gmail.com	9985230467	OC	SUCCESS	✏	🗑
37	316177111044	Pravallika	pravallikasrisailakshmi@gmail.com	9640652759	OC	SUCCESS	✏	🗑
38	316177111045	Gundagani.Anusha	gundaganianusha@gmail.com	9177389459	BC-B	SUCCESS	✏	🗑
39	316177111046	Gutla Dasaradh	dasaradh.gutla@gmail.com	9494703486	OC	SUCCESS	✏	🗑
40	316177111047	Hamrutha.Cherukuri	hamruthacherukuri@gmail.com	9121812996	OC	SUCCESS	✏	🗑

- **SELECT**
- **WORKSHOP**   -- Please select an option --   ∨ | GENERATE REPORT |

	SIR C.R.REDDY COLLEGE OF ENGINEERING **ELURU-534007, WEST GODAVARI DIST, A P., INDIA** (Approved by AICTE, New Delhi) Phone no: 08812-230840, 2300656 Fax: 08812-224193 Visit us at http://www.sircrengg.ac.in **DEPARTMENT OF INFORMATION TECHNOLOGY**

GOOGLE ANDROID DEVELOPER-1819

Academic Year: 2018-2019

Semester: I sem

Starting Date: 2018-10-09

Ending Date: 2018-10-11

Resource Person/Facilitator: APSSDC TEAM

Total Student Attempts : 80

WORKSHOP EVALUATION

S.NO	QUESTIONS	SUM OBTAINED	TOTAL SCALE VALUE	PERCENTAGE	FEED BACK
1.	The workshop venue was comfortable and well located:	287	400	71.75%	AGREE
2.	The workshop content was relevant and easy to understand:	331	400	82.75%	STRONGLY AGREE
3.	The workshop handouts supported presentation material:	332	400	83%	STRONGLY AGREE
4.	The workshop handouts provided useful additional information:	324	400	81%	STRONGLY AGREE
5.	The workshop handouts were clear and well-organized:	320	400	80%	STRONGLY AGREE
6.	The workshop was a good mix between listening and activities:	335	400	83.75%	STRONGLY AGREE
7.	The activities were useful learning experiences:	330	400	82.5%	STRONGLY AGREE
8.	The facilitators were knowledgeable:	326	400	81.5%	STRONGLY AGREE
9.	The facilitators were well-prepared:	326	400	81.5%	STRONGLY AGREE
10.	The facilitators were responsive to participants questions:	342	400	85.5%	STRONGLY AGREE

Scale 0-20%:STRONGLY DISAGREE 21-40%:DISAGREE 41-60%:NEUTRAL 61-80%:AGREE 81-100%:STRONGLY AGREE

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

. SELECT ·
· WORKSHOP   -- Please select an option --   ⌄ | GENERATE REPORT |

	SIR C.R.REDDY COLLEGE OF ENGINEERING ELURU-534007, WEST GODAVARI DIST, A P., INDIA (Approved by AICTE, New Delhi) Phone no: 08812-230840, 2300656 Fax: 08812-224193 Visit us at http://www.sircrrengg.ac.in **DEPARTMENT OF INFORMATION TECHNOLOGY**

GOOGLE ANDROID DEVELOPER-1819

Academic Year: 2018-2019

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Starting Date: 2018-10-09

Ending Date: 2018-10-11

Resource Person/Facilitator: APSSDC TEAM

Total Student Attempts : 80

OUTCOME EVALUATION

Before Workshop

S.NO	QUESTIONS	SUM OBTAINED	TOTAL SCALE VALUE	PERCENTAGE
1.	Personal Reflection (learning chronicle, your skills and abilities, learning style):	219	400	54.75%
2.	Research – gathering documents (proving learning, types of documents):	229	400	57.25%
3.	Integration – Putting it all together: (goal setting, learning outcomes):	241	400	60.25%
4.	Your confidence to complete a portfolio:	240	400	60%
5.	Your confidence to approach an employer/interview:	241	400	60.25%
6.	Your ability to identify your skills and abilities:	252	400	63%

After Workshop

S.NO	QUESTIONS	SUM OBTAINED	TOTAL SCALE VALUE	PERCENTAGE
1.	Personal Reflection (learning chronicle, your skills and abilities, learning style):	311	400	77.75%
2.	Research – gathering documents (proving learning, types of documents):	319	400	79.75%
3.	Integration – Putting it all together: (goal setting, learning outcomes):	330	400	82.5%
4.	Your confidence to complete a portfolio:	333	400	83.25%

| 5. | Your confidence to approach an employer/interview: | 338 | 400 | 84.5% |
| 6. | Your ability to identify your skills and abilities: | 343 | 400 | 85.75% |

OUTCOME EVALUATION

S.NO	QUESTIONS	BEFORE WORKSHOP	AFTER WORKSHOP	EVALUATION
1.	Personal Reflection (learning chronicle, your skills and abilities, learning style):	54.75%	77.75%	GOOD
2.	Research – gathering documents (proving learning, types of documents):	57.25%	79.75%	GOOD
3.	Integration – Putting it all together: (goal setting, learning outcomes):	60.25%	82.5%	GOOD
4.	Your confidence to complete a portfolio:	60%	83.25%	GOOD
5.	Your confidence to approach an employer/interview:	60.25%	84.5%	GOOD
6.	Your ability to identify your skills and abilities:	63%	85.75%	GOOD

EVALATION : LESS-POOR EQUAL-NEUTRAL MORE-GOOD

OUTCOME EVALUATION REPORT

Before Workshop   After Workshop

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DEPARTMENT OF INFORMATION TECHNOLOGY
MAPPING WITH PROGRAM OUTCOMES
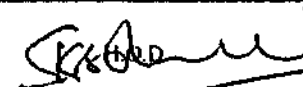
S.NO	DATE	EVENT TITLE	RESOURSE PERSON
1.	9 OCT 2018 TO 11 OCT 2018	3-DAY WORKSHOP ON "GOOGLE ANDROID DEVELOPER"	APSSDC TEAM

S.No	TITLE	PROGRAM OUTCOMES													
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
		Engineering knowledge	Problem analysis	Design /development of solutions	Conduct investigations of complex problems	Modern tool usage	The engineer and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Life-long learning	Develop software	Emerging technologies
1.	3-DAY WORKSHOP ON "GOOGLE ANDROID DEVELOPER"	3	2	2		2				2	2		2	2	3

LEVEL:1-LOW   LEVEL:2-MEDIUM   LEVEL:3-HIGH

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DEPT OF IT
Information Technology
Sir C.R.R. College of Engg.
ELURU-534 007.

		SIR C R Reddy College of Engineering, Eluru		
			9/10/18	
		SECTION - A		
S.No	Regd.no	Name		
1	316177111001	ADARI JANAKI VENKATA SAIRAM NAIDU	Sairam	Sairam
2	316177111002	ADIVI SRISAINAGA SWETHASRI	Swethasri	Swethasri
3	316177111003	AKULA VASANTHI	Vasanthi	Vasanthi
4	316177111004	AMBATI SUBBAIAH	Subbaiah	Subbaiah
5	316177111005	ANUMOLU MOUNIKA	Mounika	Mounika
6	316177111006	APPASANI LOHITHA	lohitha	lohitha
7	316177111007	APPASANI VARSHA	varsha	varsha
8	316177111008	AVANIGADDA HEMACHANDRA	Hemachandra	Hemachandra
9	316177111009	BALUSU MADHURI	Madhuri	Madhuri
10	316177111010	BATTA HEMALATHA	Hemalatha	Hemalatha
11	316177111011	BHOGAVALLI CHANDRA KALA	Chandra	Chandra
12	316177111012	BHUTHANAPALLI RAJA SEKHAR	Raja sekha	Raja sekhar
13	316177111013	BODIPUDI KISHORE BABU	Kishore Babu	Kishore Babu
14	316177111014	BOKKA MOHAN KRISHNA	Krishna	Krishna
15	316177111015	BOLLAREDDY HARSHITHA	Harshitha	Harshitha
16	316177111016	BOMMISETTI LEELA RAMA JYOTHI	Jyothi	Jyothi
17	316177111017	BOPPANA SRI RAMYA	Ramya	Ramya
18	316177111018	CHALLAGOLLA SWATHI LAKSHMI	Swathi Lakshmi	Swathi Lakshmi
19	316177111019	CHANDU SAI KIRAN	Sai Kiran	Sai Kiran
20	316177111020	CHEJARLA SIVA JYOTHI	Siva Jyothi	Siva Jyothi
21	316177111021	CHERELA MANIKANTA LAKSHMAN KUMAR	Lakshman Kumar	Lakshman Kumar
22	316177111022	CHERUKU DWARAKANATH	Dwarakanath	Dwarakanath
23	316177111023	CHILUKURI SNEHA DURGA	Sneha durga	Sneha durga
24	316177111024	CHINNAMSETTI RAGA MALIKA	Malika	Malika
25	316177111025	CHINTA MOHAN RUPACHITTI	moha Rupchi	mohan rup
26	316177111026	CHIRUMAMILLA HARIKA	Harika	Harika
27	316177111027	CHIRUMAMILLA RAVITEJA	Raviteja	Raviteja
28	316177111028	CHITTURI ALEKHYA	Alekhya	Alekhya
29	316177111029	DANDAMUDI J.L.N.SAI DEEPTHI	Deepthi	Deepthi
30	316177111030	DARSI MURALI MOHAN	Murali Mohan	Murali Mohan
31	316177111031	DASARI VINEETH	Vineeth	Vineeth
32	316177111032	DHULIPALLA MANOJ	manoj	manoj
33	316177111034	DONGA RAMA DEVI	Ramadevi	Ramadevi
34	316177111036	GARAPATI VAMSI SAI	Vamsi	Vamsi
35	316177111037	GAYATHRI ANAPANANI	Gayathri	Gayathri
36	316177111038	GONABOINA RAVI VARMA	Varma	Varma
37	316177111039	GONABOINA VINAY SIVA KRISHNA	Sivakrishna	Sivakrishna
38	316177111040	GOPISETTI SWAMY SATYENDRA	Satyendra	Satyendra
39	316177111041	GOSANI PAVAN KUMAR	Pavankumar	Pavankumar
40	316177111042	GOWTHAM GUNTUPALLI	Gowtham	Gowtham
41	316177111043	GRANDHI KRISHNA JAGANNADH	Jaganadh	Jaganadh
42	316177111044	GRANDHI PRAVALLIKA SRI SAI LAKSHMI	Pravallika	Pravallika
43	316177111045	GUNDAGANI ANUSHA	Anusha	Anusha
44	316177111046	GUTTA DASARADH	Dasaradh	Dasaradh
45	316177111047	HAMRUTHA CHERUKURI	Hamrutha	Hamrutha
46	316177111048	HIMASRI UNDAVALLI	Himasri	Himasri
47	316177111049	INALA BHAGYALAKSHMI	Bhagya	Bhagya
48	316177111050	INNAMURI JYOTHIRMAI	Jyothirmai	Jyothirmai
49	316177111051	JAHNAVI TUMMALA	Jahnavi	Jahnavi
50	316177111052	KADIYAM AKHIL	K.Akhil	K.Akhil

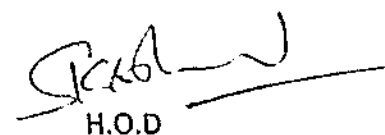SIR C R Reddy College of Engineering, Eluru

SECTION - B

9/10/18

S.N	Reg No	Name		
1	16177111061	KARRI HESHMA	Heshma	Leela
2	316177111062	KONCHA VENKATA VISHNUVARDHAN REDDY	K.Viv.Reddy	K.V.V.Reddy
3	316177111063	KONDAMUDI KIRANMAIEE	Kiranmaie	Kiranmay
4	316177111064	KONDURU VENKATA SAI SIVA KRISHNA	Siva	Siva
5	316177111065	KONERU LAKSHMAN SUJITH CHOWDARY	sujith	sujith
6	316177111066	KONJETI SAI ALEKHYA	Alekhya	Alekhya
7	316177111067	KOTA VENKATA PHANI SRIDHARA SARMA	Phani sri	Phani sri
8	316177111068	KUDAMALA SIRISHA	Sirisha	Sirisha
9	316177111069	KUTCHU CHAITUVARDHAN	Chaituvar	Chaituvard
10	316177111070	LAKSHMI ANJANI MOULIKA VEMURI	Moulika	Moulika
11	316177111071	MADDELA AJAY BABU	Ajay Babu	Ajay Babu
12	316177111072	MADDIPATI KIRAN DEEPTHI	Deepthi	Deepthi
13	316177111073	MADDURI RAVI TEJA	M.Raviteja	M.Raviteja
14	316177111074	MAHANKALI BHAVANA	Bhavana	Bhavana
15	316177111075	MALLIMPALLI CHAITANYA KRISHNA	Chaitanya	Chaitanya
16	316177111076	MANDALAPU MANOJ	M.Manoj	M.Manoj
17	316177111077	MARADANI SAI BHARGAVI	Sai Bhargavi	Sai Bhargavi
18	316177111078	MATHI DHANUSHA SAI (Sliding from eee to it)	Dhanusha	Dhanusha
19	316177111079	MATTA MANASA	manasa	manasa
20	316177111080	MEDARAMETLA RAJASEKHAR	Rajasekar	Rajasekar
21	316177111081	MORLA MOHANA KRISHNA	M.Krishna	M.Krishna
22	316177111082	MULUPURI BALAJI RAKESH	Rakesh	Rakesh
23	316177111083	MUSHTINA BAGHYASRI	Baghyasri	Baghya sri
24	316177111084	NAGALLA AJAY	Ajay	Ajay
25	316177111085	NARAVA SRUJANA	srujana	srujana
26	316177111086	NERUSU GNANENDRA SAI	Sai	Sai
27	316177111087	NUNNA VEERA VENKATA SATYANARAYANA	Satyanaray	Satyanaray
28	316177111088	PALLI BHAVITH KUMAR	Bhavith	Bhavith
29	316177111089	PAMIREDDY YASWINI REDDY	Yaswini	Yaswini
30	316177111090	PANTHALA KRISHNA SAI	krishna sai	krishna sai
31	316177111091	PARASA MAHESH BABU	Mahesh	Mahesh
32	316177111092	PASUMARTY SURYA TEJA	Suryateja	Suryateja
33	316177111093	PEDAKAM DIVYA ANVESH	Divya Anvesh	Divya Anvesh
34	316177111094	PEDDINTI SAI PRASANNA	Prasanna	Prasanna
35	316177111095	PEDDISETTI RAVI KUMAR	Ravi	Ravi
36	316177111096	PENTA POOJYAVI	Poojyani	Poojyani
37	316177111097	PENUGONDA SIVA SANKAR REDDY	Siva	Siva
38	316177111098	POKA VEKATA GAYATHRI	Gayathri	Gayathri
39	316177111099	POLISETTI VISALAKSHI	Visalakshi	Visalakshi
40	316177111100	RAMANADHAM SRIHARI	Srihari	Srihari
41	316177111101	RAYALA MAHESH	Mahesh	Mahesh
42	316177111102	RAYAPATI SAHITYA	Sahitya	Sahitya
43	316177111103	ROHITHA KOSARAJU	Rohitha	Rohitha
44	316177111104	ROKKAM SRAVANA SANDHYA	Sandhya	Sandhya
45	316177111105	SAKINENI DILEEP KUMAR	Dileep	Dileep
46	316177111106	SAMMETA SAI SARATH	Sarath	Sarath
47	316177111107	SAMUDRAM SRI SATYASAI SAVITHRI AMRUTHA	Amrutha	Amrutha
48	316177111108	SATHI SAI SUMA KEERTHI	keerthi	keerthi
49	316177111109	SIRIPURAPU SUSMITHA	susmitha	susmitha
50	316177111110	SUNKARA BHARATH PRAKASH	Bharath	Bharath

SIR C.R. REDDY COLLEGE OF ENGINEERING

DEPARTMENT OF INFORMATION TECHNOLOGY

Notice

Date: 17-09-2018

It is to inform all the IV/IV I.T Students that **"A 2-DAY WORKSHOP ON IOT AND ITS APPLICATIONS"** in association with Brain O Vision Solutions India Pvt Ltd, Hyderabad is going to organize on 19th & 20th SEPT 2018.Hence all the interested students are advised to participate in this program and get benifited.

H.O.D

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

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU

DEPARTMENT OF INFORMATION TECHNOLOGY

Cordially invites you to attend the

"2-DAY WORKSHOP ON IOT & ITS APPLICATIONS"

On 19TH &20TH SEPT,2018

Dr.G.Sambasiva Rao,

Principal, *Sir C.R.Reddy College of Engineering,*

has kindly consented to be the Chief Guest

Dr.S.Krishna Rao,

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

Will preside over the function

RESOURCE PERSONS

IOT Technical Team,

Brain O Vision solutions(India) pvt.lt,HYD

BRAIN O VISION

Venue: IT COMPUTER LAB-1

Principal
Sir C.R.R. College of Engineering
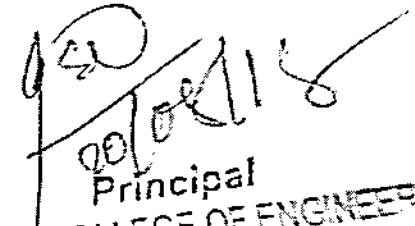
Dear Sir,

[illegible text]

[illegible text] final year students in the second week of September [illegible] IV IV B.Tech students are [illegible]

It was made mandatory for a [illegible] first year [illegible] are 199.the Course fee was fixed at Rs [illegible] after negotiation and bargaining. This fee is for training only and is not (Food&Accommadation). Hence you are requested to [illegible] (Rupees Thirty Two Thousand and Seven Hundred only) [illegible]

Thanking you sir,

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

మ...గారికి,

...ఆర్.రెడ్డి విద్యాసంస్థలు,

...రు,

...య్యా,

విషయము : సర్ సి.ఆర్.రెడ్డి ఇంజనీరింగ్ కాలేజీలో బి.టెక్ IT శాఖన సంవత్సరము మొదటి సెమిస్టరు చదువుచున్న విద్యార్థులకు వర్క్ షాప్ నిర్వహించుట గురించి.

. . . . .

సర్ సి.ఆర్.రెడ్డి ఇంజనీరింగ్ కాలేజీలో బి.టెక్ IT శాఖన సంవత్సరము మొదటి సెమిస్టరు చదువుచున్న విద్యార్థులకు "Internet of Things" మీద సెప్టెంబరు రెండవవారంలో వర్క్ షాప్ నిర్వహించుటకు నిర్ణయించడమైనది. మొత్తము విద్యార్థులు 109. కావున, దీని నిమిత్తము రూ.32,700/-(109 × 300) ఖర్చు అగును. వివరములు దీనితో జతచేయుటమైనది.

ఈ మొత్తము రూ. 32,700/- ట్రైనింగ్ అండ్ ప్లేస్మెంట్ బడ్జెట్ నుండి మంజూరు చేయవలసినదిగా కోరుచున్నాము.

బడ్జెట్ వివరములు		మొత్తము
బడ్జెట్ అనుమతి ఇచ్చినది	:	రూ. 10,00,000/-
ఈ రోజు వరకు ఖర్చు పెటినది	:	రూ. 48,956/-
మిగిలిన మొత్తము	:	రూ. 9,51,044/-
ప్రస్తుతము చెల్లించవలసిన మొత్తము	:	రూ. 32,700/-
ఇంకను మిగిలిన నిల్వ	:	రూ. 9,18,344/-

ప్రిన్సిపాల్
Principal
SIR C.R.R. COLLEGE OF ENGINE[ ]
ELURU - 534 007.

CORRESPONDENT
C.R.R. College of Engineering
ELURU - 534007

Administrative Officer
Sir C.R.Reddy College of Engineering

SIR C.R.REDDY COLLEGE OF ENGINEERING
ELURU-534007, WEST GODAVARI DIST. A.P., INDIA

(Approved by AICTE, New Delhi)

Phone no: 08812-230840, 230969 Fax: 08812-224193

Visit us at
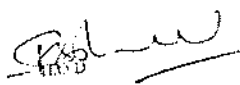
DEPARTMENT OF INFORMATION TECHNOLOGY
MAPPING WITH PROGRAM OUTCOMES

S.NO	DATE	EVENT TITLE	RESOURCE PERSON
1	19 SEPT 2018 & 20 SEPT 2018	A 2-DAY WORKSHOP ON "IOT & ITS APPLICATIONS"	TECHNICAL TEAM, BRAINOVISION PVT. LTD., HYD

S.NO	TITLE	PROGRAM OUTCOMES													
		PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2
		Engineering knowledge	Problem Analysis	Design/development of solutions	Conduct investigations of complex problems	Modern tool usage	The engineer and society	Environment and sustainability	Ethics	Individual and team work	Communication	Project management and finance	Lifelong learning	Develop software	Emerging technology
1	A 2-DAY WORKSHOP ON "IOT & ITS APPLICATIONS"	3	2	2	2	2				2	2			2	2	3

LEVEL:1-LOW   LEVEL:2-MEDIUM   LEVEL:3-HIGH

HOD

HEAD OF THE DEPARTMENT
DEPT OF IT,
Information Technology
Sir C.R.R. College of Engg.
ELURU-534007.

SIR C.R.REDDY COLLEGE OF ENGINEERING,
ELURU 534007, WEST GODAVARI DIST. A.P. INDIA

DEPARTMENT OF INFORMATION TECHNOLOGY

IOT & ITS APPLICATIONS-1819

Academic Year: 2018-2019
Semester: I sem
Starting Date: 2018-09-19
Ending Date: 2018-09-20
Resource Person/Facilitator: TECHNICAL TEAM, BRAINOVISION PVT. LTD .HYD
Total Student Attempts : 82

WORKSHOP EVALUATION

S.NO	QUESTIONS	SUM OBTAINED	TOTAL SCALE VALUE	PERCENTAGE	FEED BACK
1.	The workshop venue was comfortable and well located:	387	410	94.39%	STRONGLY AGREE
2.	The workshop content was relevant and easy to understand:	336	410	81.95%	STRONGLY AGREE
3.	The workshop handouts supported presentation material:	288	410	70.24%	AGREE
4.	The workshop handouts provided useful additional information:	341	410	83.17%	STRONGLY AGREE
5.	The workshop handouts were clear and well-organized:	373	410	90.98%	STRONGLY AGREE
6.	The workshop was a good mix between listening and activities:	326	410	79.51%	AGREE
7.	The activities were useful learning experiences:	312	410	76.1%	AGREE
8.	The facilitators were knowledgeable:	343	410	83.66%	STRONGLY AGREE
9.	The facilitators were well-prepared:	364	410	88.78%	STRONGLY AGREE
10.	The facilitators were responsive to participants questions:	332	410	80.98%	STRONGLY AGREE

Scale 0-20%:STRONGLY DISAGREE 21-40%:DISAGREE 41-60%:NEUTRAL 61-80%:AGREE 81-100%:STRONGLY AGREE

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

SIR C.R.REDDY COLLEGE OF ENGINEERING
ELURU S(500?), WEST GODAVARI DIST, A.P., INDIA

DEPARTMENT OF INFORMATION TECHNOLOGY

IOT & ITS APPLICATIONS-1819

Academic Year: 2018-2019

Semester: I sem

Starting Date: 2018-09-19

Ending Date: 2018-09-20

Resource Person/Facilitator: TECHNICAL TEAM, BRAINOVISION PVT. LTD.,HYD

Total Student Attempts : 82

OUTCOME EVALUATION

Before Workshop

S.NO	QUESTIONS	SUM OBTAINED	TOTAL SCALE VALUE	PERCENTAGE
1.	Personal Reflection (learning chronicle, your skills and abilities, learning style):	236	410	57.56%
2.	Research – gathering documents (proving learning, types of documents):	229	410	55.85%
3.	Integration – Putting it all together: (goal setting, learning outcomes):	226	410	55.12%
4.	Your confidence to complete a portfolio:	221	410	53.9%
5.	Your confidence to approach an employer/interview:	222	410	54.15%
6.	Your ability to identify your skills and abilities:	227	410	55.37%

After Workshop

S.NO	QUESTIONS	SUM OBTAINED	TOTAL SCALE VALUE	PERCENTAGE
1.	Personal Reflection (learning chronicle, your skills and abilities, learning style):	359	410	87.56%
2.	Research – gathering documents (proving learning, types of documents):	362	410	88.29%
3.	Integration – Putting it all together: (goal setting, learning outcomes):	370	410	90.24%
4.	Your confidence to complete a portfolio:	363	410	88.54%

OUTCOME EVALUATION

S.NO	QUESTIONS	BEFORE WORKSHOP	AFTER WORKSHOP
1.	Personal Reflection (learning chronicle, your skills and abilities, learning style):	57.56%	87.56%
2.	Research – gathering documents (proving learning, types of documents):	55.85%	88.29%
3.	Integration – Putting it all together: (goal setting, learning outcomes):	55.12%	90.24%
4.	Your confidence to complete a portfolio:	53.9%	88.54%
5.	Your confidence to approach an employer/interview:	54.15%	87.32%
6.	Your ability to identify your skills and abilities:	55.37%	89.02%

EVALATION : LESS-POOR EQUAL-NEUTRAL MORE-GOOD

OUTCOME EVALUATION REPORT

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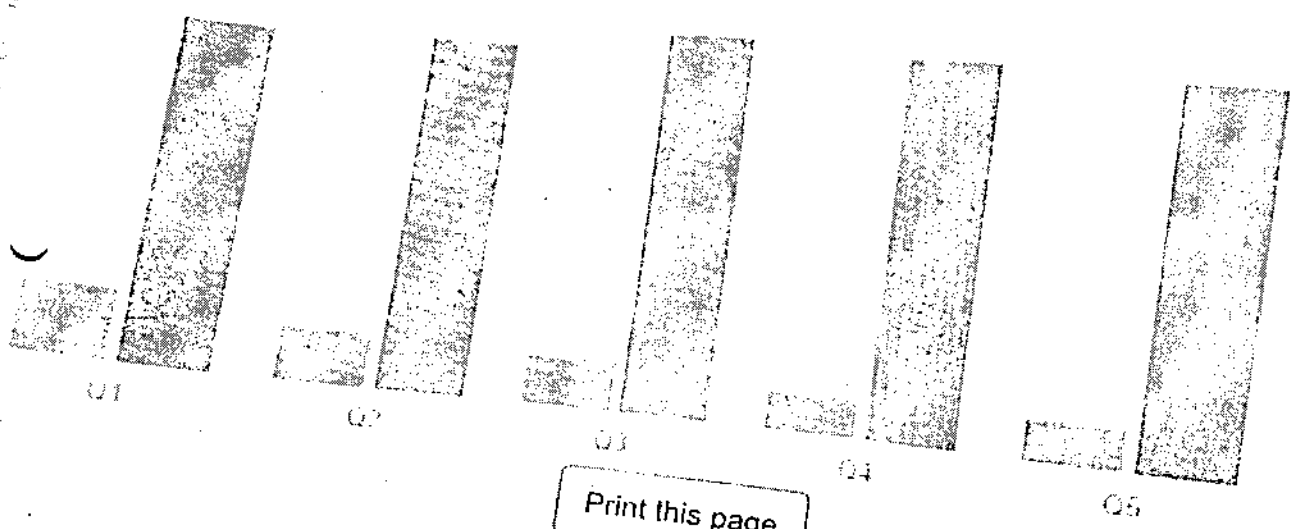
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HEAD OF THE DEPARTMENT
Information Technology
Sir C.R.R. College of Engg.
ELURU-534 007.

SIR C R Reddy College of Engineering, Eluru

IV/IV year B.E/B.Tech II Semester list A.Y. 2018-19

SECTION - A

	Reg No	Name	Signature
1	315177111001	AGGALA LAKSHMI SRINIVAS	Srinivas
2	315177111002	ALAPATI SAI SINDHU	Sindhu
3	315177111003	ANUMOLU DHARANI	dharani
4	315177111004	APPANA SIVA NAGA DURGA PRASAD	Durga prasad
5	315177111005	ARIGELA SRIJA	Srija
6	315177111006	AHKURI NAGENDRA KRISHNA	Krishna
7	315177111007	AVULA MADHURI	(H Yagani)
8	315177111008	BALUSU SAI HARSHA	B. harsh
9	315177111009	BADE SUMA	Suma
10	315177111010	BADITHA RAHUL	Rahul
11	315177111013	BODDU BALA TRIPURA SUNDARI	Tripura
12	315177111014	CHARUGULLA HARSHITHA	Charsshitha
13	315177111015	CHARUGULLA TEJA NAGEDRA CHOWDARY	Teja
14	315177111016	CHILAKALA JAGADEESH	Jagadeesh
15	315177111017	CHILUKURI VASAVI	Vasavi
16	315177111018	CHINTALA NEETHU SRAVANTNI	Neethu
17	315177111019	DAKEY HANISHA SRI	Hanisha
18	315177111020	DAMARAPALLI ASWIN KUMAR	D.Aswin
19	315177111021	DEVAGANUGULA JAGADESWARI SRAVANI	Sravani
20	315177111022	DEVARAPALLI VIJAYASAI	Vijaya
21	315177111023	DULAM VEERA VENKATA BHASKARA RAO	Bhaskar
22	315177111024	EETHAKOTA BABU PRUDHVI	Prudhvi
23	315177111025	ELLAPU VENKATA LAKSHMI LALITHA	E.V.L Lalitha
24	315177111026	GANJI DURGA PRAVEEN	G. Praveen
25	315177111027	GANCHEERI SAI GANESH KRISHNA	G.S.G
26	315177111028	GANTA BHANU SRI	Bhanu
27	315177111029	GHANTASALA BAJI BABU	G. Baji Babu
28	315177111030	GOLLAPRAKASH KUMAR	Prakash
29	315177111031	GORLE SAI LAKSHMI	Sai
30	315177111032	GULLAPUDI BHAGYA SRI	Bhagya
31	315177111033	GUMMI LAKSHMI	Lakshmi
32	315177111034	GUNDA SUSHMA	Sushma
33	315177111035	GUNTURI VENKATA HEMANTH KUMAR	Hemanth
34	315177111036	HARI KIRAN DOREDLA	Preethambabu
35	315177111037	INDUKURI MANASA	Manasa
36	315177111038	JADDA HARI BABU	J. Haribabu
37	315177111039	JADDA SIVA KRISHNA	J. Sivakrishna
38	315177111040	JOGI BABY SREE GANTALAMMA	Baby
39	315177111041	KAPUGANTI NIKHIL	K. Nikhil
40	315177111042	KALIDINDI SURENDRA VARMA	K. Varma
41	315177111043	KAMBHAM JOHN HENRY	K. John
42	315177111044	KANAPARTHI REVENTH	CH Ymond
43	315177111045	KANCHARLA DIVYA SREE	Divya
44	315177111046	KASANNENI VENKATA PRASAD	Venkat
45	315177111047	KASTURI GOWTHAMI	Gowthami
46	315177111048	KATHIKA HARICHANDNA	Hari chandana
47	315177111049	KATKAM JOGESWAR PAVAN SAI BHASKAR	K. Sai Bhaskar
48	315177111050	KOMARAGIRI NAVITHA	K. Navitha
49	315177111051	KOMMANABOINA SANKAR	CH Ymaulah
50	315177111052	KOMMARAJU CHAITANYA ANIL	K. Anil
51	315177111053	KOMMINENI MURALI SRINIVAS	Srinivas
52	315177111054	KOPPULA MANIKANTA	Manikanta
53	315177111055	KOPPULA PRIYANKA	Priyanka
54	315177111056	KRISHTAVARAPU HARITHA	
55	315177111056	KRISHTAVARAPU HARITHA	Haritha
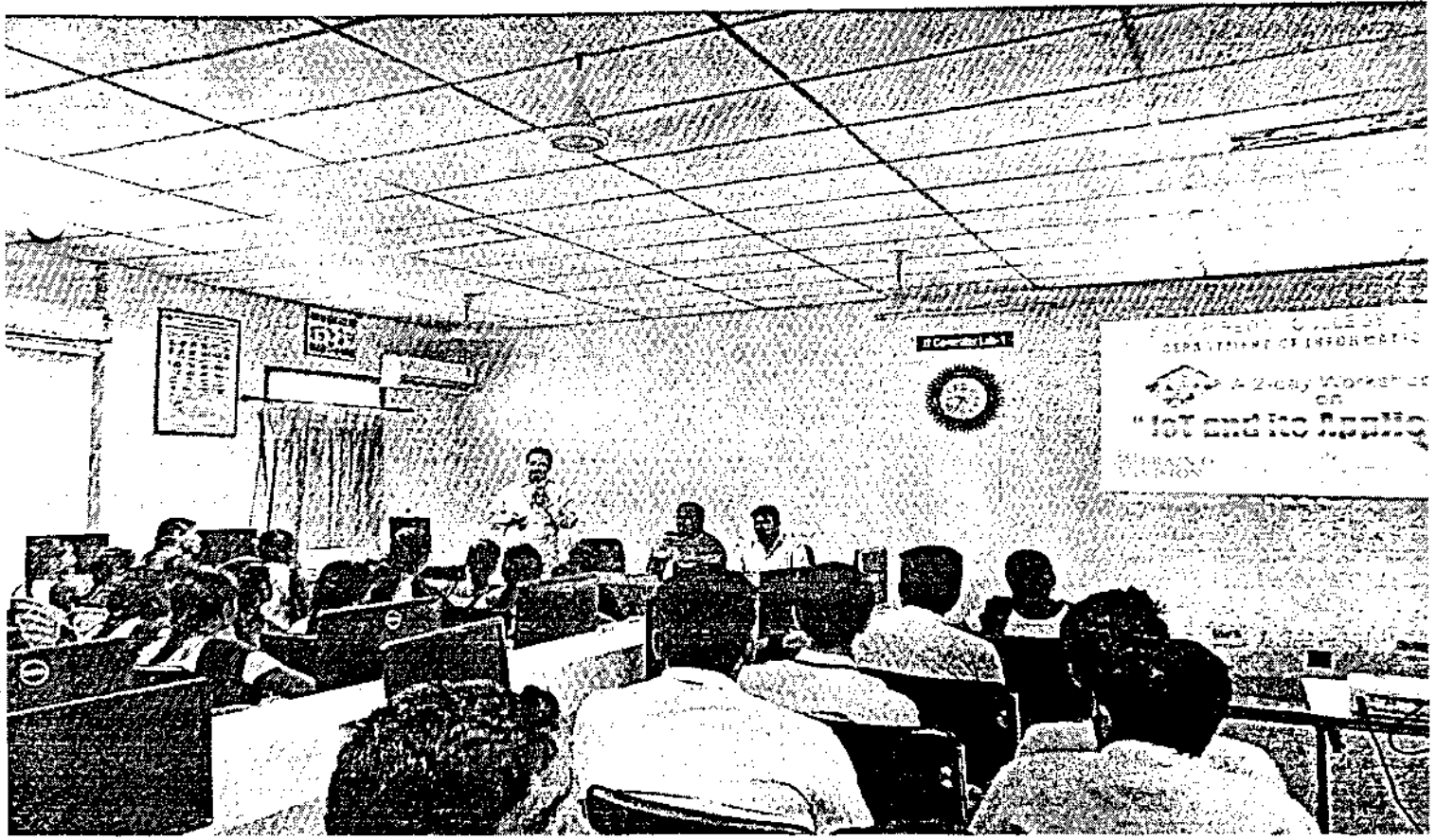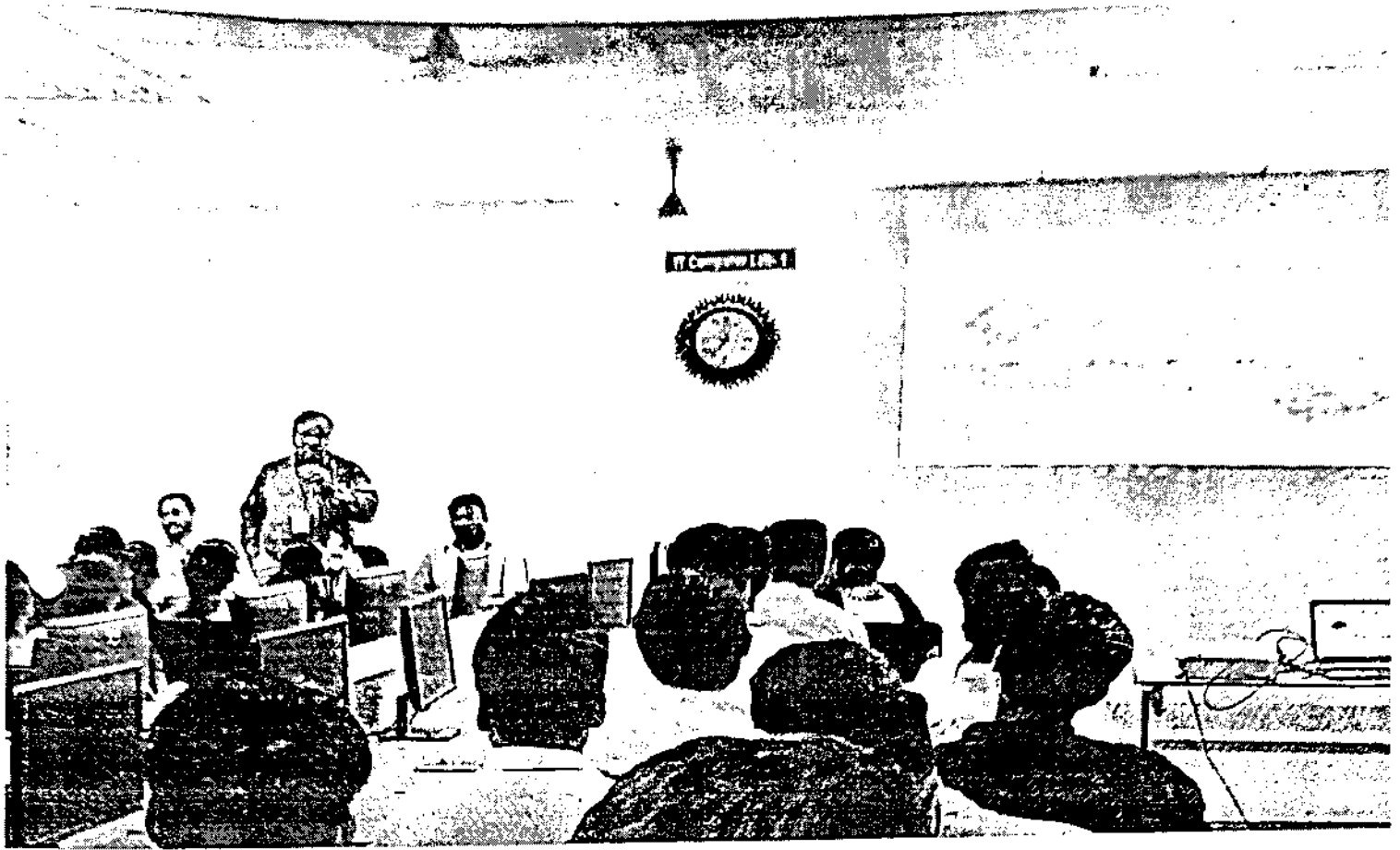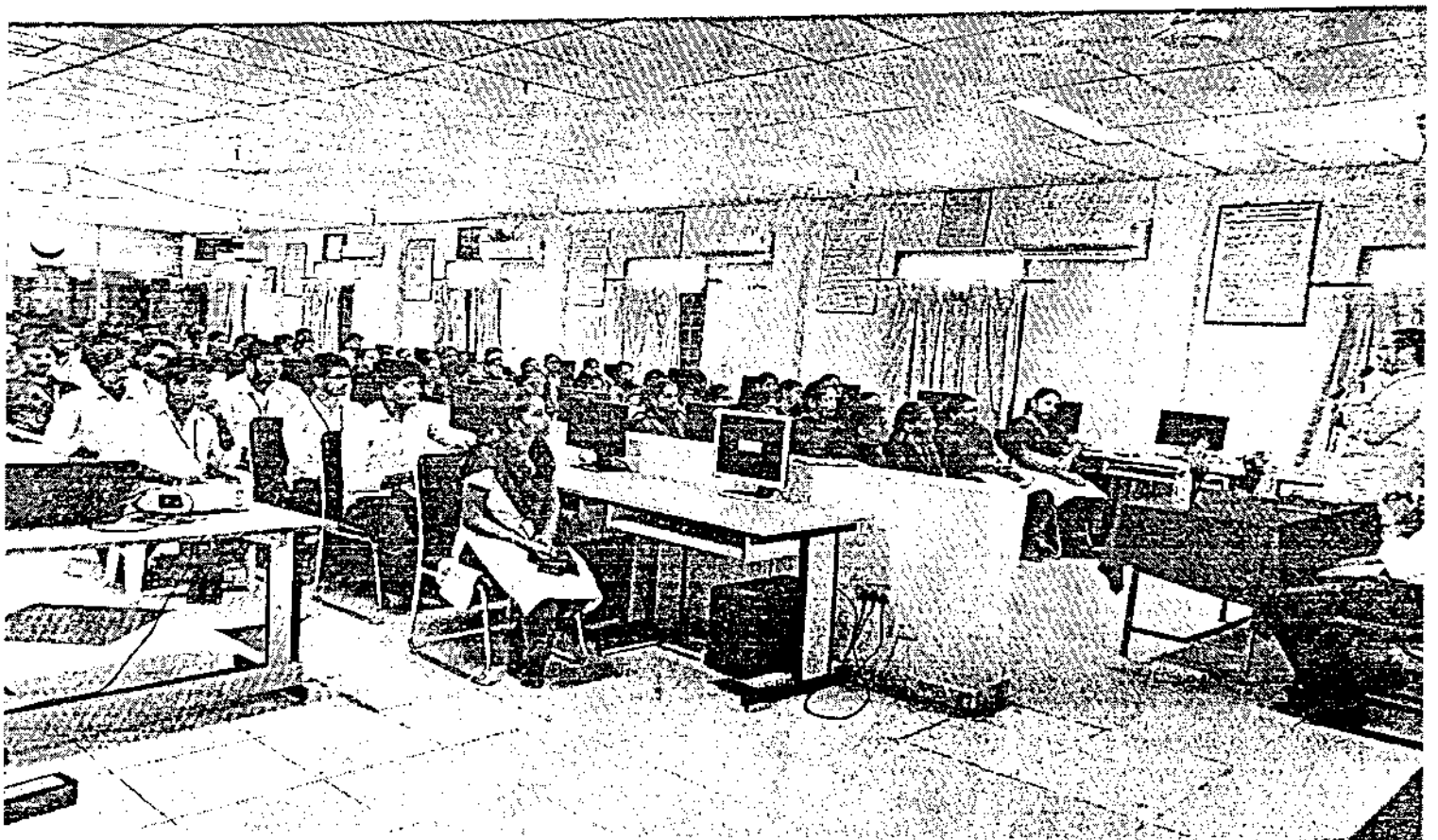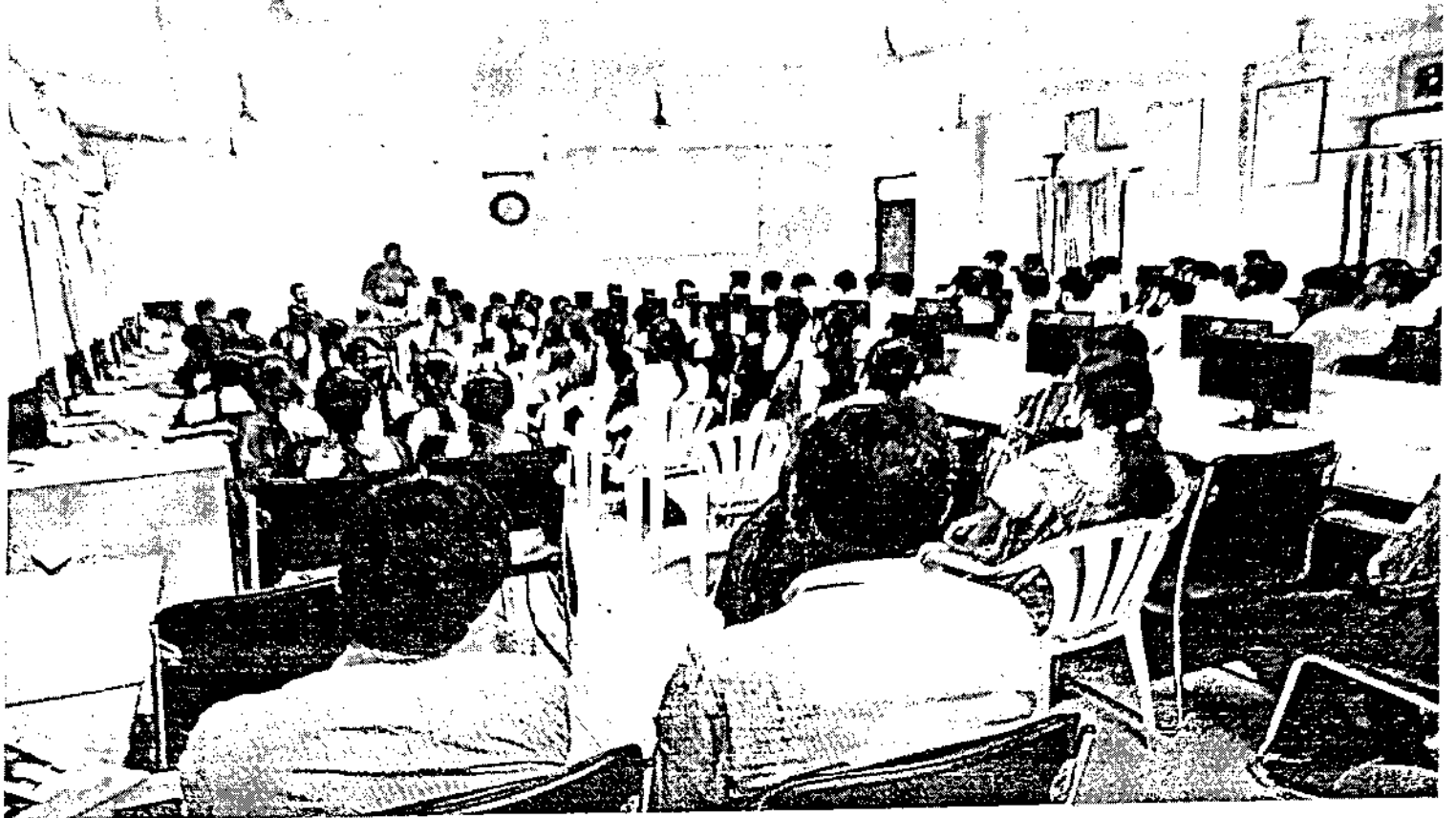
MEMORANDUM OF AGREEMENT

BETWEEN

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION (First Party)

AND

EUROPEAN CENTER FOR MECHATRONICS APS GMBH

(Second Party)

AND

SIR C R REDDY COLLEGE OF ENGINEERING

(Third Party)

ఆంధ్ర ప్రదేశ్ आन्ध्र प्रदेश ANDHRA PRADESH

CH 865716

No. 3291 .... Dt. 7.2.19. Rs. 100/-

Name: K.L. PADMAVATH

Sri: K. Chanakya S/o. K. Venkata Ratnam, VJA

r whom Andhra Pradesh State Skill Development Corporation,
Tadepalli, Guntur District

MEMORANDUM OF AGREEMENT

This Memorandum of Agreement (MoA) is entered into on 7th day of February 2019

Andhra Pradesh State Skill Development Corporation, a Government Company registered under the Companies Act, 2013 having its Corporate Office at G&J Infra Building, 3rd Floor, D No.78/2, Near NH-5, Near Pathuru Road, Tadepalli, Guntur District, Andhra Pradesh represented by Executive Director-I (hereinafter referred to as "APSSDC" or First Party, which expression shall unless repugnant to this context or meaning thereof, includes its successor in office, legal representatives and permitted assigns) of the FIRST PART.

And

European Center for Mechatronics GmbH (ECM), having its principal address at Vaalserstrasse 460, 52072 Aachen, Germany (hereinafter referred to as "ECM", which expression shall unless repugnant to the meaning thereof, mean and include its successors and permitted assigns) of the SECOND PART.

1
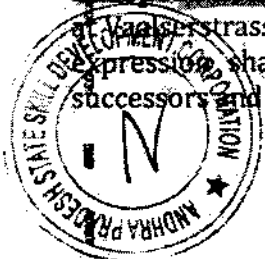
And

████████████████████████having its principal address at Vatluru, Post Peddapadu Mandal, Near Bypass Road, West Godavari Dist, Eluru, Andhra Pradesh 534007 (hereinafter referred to as "College", which expression shall unless repugnant to the meaning thereof, mean and include its successors and permitted assigns) of the ████████.

APSSDC, ECM and College are hereinafter referred to singly as "Party" and jointly as "Parties".

I. PREAMBLE/ BACKGROUND

Brief about APSSDC:

APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development & entrepreneurship in the state of Andhra Pradesh. APSSDC is the Executive Agency for the Department of Skill Development, Entrepreneurship and Innovation, Govt. of Andhra Pradesh (GoAP) serving the important task of providing high quality skilled manpower as part of the Knowledge and Skills Mission of GoAP. The main objective of the Corporation is to implement a structured and pragmatic solution to skill & upskill the workforce in the State of Andhra Pradesh and to increase employability and promote entrepreneurship in sync with Industrial growth of the State.

Brief about ECM:

ECM based in Aachen was founded in 1981. ECM has been working in the fields of robotics, sensor technology, and information and communication technology for more than 30 years. Engineers and technicians from various disciplines develop and implement interdisciplinary concepts and solutions in collaboration with national and international industrial partners, public procurers and researchers.

ECM is into education and research in the field of Mechatronics and Industrial Robotics focusing Industry 4.0 which is planned to implement the similar ecosystem in state of Andhra Pradesh.

ECM will be organizing the skill development training programs in collaboration with their German partner, GC German Center for Engineering and Management Studies (GEMS).

Brief about Sir C R Reddy College of Engineering:

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.
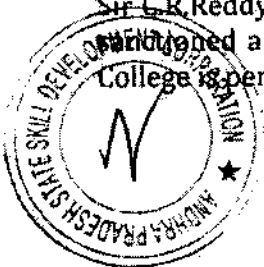
2

Since its inception in 1989, ▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆ 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 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, MCA and MBA courses.

PURPOSE:
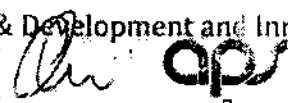
A. This engagement will aim to skill the engineering graduates from the state of Andhra Pradesh in Mechatronics and Industrial Robotics. It was proposed to establish Indo-European Skilling Center for Mechatronics and Industrial Robotics in 40 Engineering Colleges across the state of Andhra Pradesh. ECM has selected select 11 Engineering Colleges initially in collaboration with APSSDC under pilot phase.

B. To impart robotics-centric courses as per Annexure-1 to the students ofthe college viz. Third Party.

C. To provide end to end skill training including assessment, certification and facilitating placements to the trained students.

D. The robotics infrastructure established in the respective college henceforth called ▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆▆

E. ROLES AND RESPONSIBILITIES:

FIRST PARTY - APSSDC shall

➤ select reputed engineering colleges/Universities in collaboration with ECM through a stipulated procedure;
➤ provide a platform for registration of trainees online and mapping of institutions and students;
➤ develop course curriculum in collaboration with other parties to suit latest and future technologies;
➤ prepare over all calendar of training programs and communicate to Second Party;
➤ organize Training Programs for all diploma and under graduate engineering students;
➤ prepare operationalguidelines for ARC labs to be followed by the other two parties;
➤ promote Research & Development and Innovation for existing Industries;

APS GmbH European Center for Mechatronic
Vaalser Str. 460, 52074 Aachen, Germany.

> exercise its right to cancel the permission now granted to the institutions in the event of not fulfilling their obligations.

SECOND PARTY -ECM shall

> establish the research nodal centers named as "Applied Robotic Control Labs" (ARC) at state level in Andhra Pradesh as part of the "Indo-European Skilling Centres for Mechatronics and Industrial Robotics" in the Engineering Colleges in collaboration with its European partners and shall be utilized for ARC 3.0 course;

> develop the courses according to the market needs in India and execute with academic planning in collaboration with APSSDC and also conduct training of trainers/faculties. At present, three courses are offered under the initiative as given under Annexure-1;

> to provide training in collaboration with partnered Colleges and its certification along with their European partners;

> provide support for conducting job melas and facilitate for placements through the following activities;

- ECM will bring several professionals and companies to AP to impart valuable skills and entrepreneurship abilities to students and facilitate placements in respective Industry.
- ECM should facilitate employment to potential candidates after ARC 3.0.
- ECM should provide internship to successful students in India and Germany as well.

> impart the courses and provide assistance to employment and higher education opportunities to the students who had successfully completed the program;

> consider the students from these trainings as a priority to provide employment and higher education;

> establish a common research location/representation for transnational research projects between German and Indian partners in Andhra Pradesh;

> collaborate for dissemination of knowledge on cutting edge technologies to faculty and research programs;

> along with their European partners to provide commercial support as a part of student course along with APSSDC;

> conduct job melas at least twice a year in collaboration with APSSDC;

> ensure conducting assessments as per standard assessment pattern and shall provide certificate to the successful students;

> follow the guidelines as specified by APSSDC from time to time;

> submit all reports and documents relating to progress of the students on rolls, Accounts, Audit and Annual Work Plan, as specified at such frequency as may be required by APSSDC.

THIRD PARTY -The College shall

> establish ARC lab along with necessary infrastructure in collaboration with ECM;
> provide training to the students as per the course curriculum;
> depute required faculty to manage and co-ordinate Trainings in ARC labs;

APS GmbH European Center for Mechatronics
Vaalser Str. 460, 52074 Aachen, Germany.

> collaborate for dissemination of knowledge on cutting edge technologies to faculty and research programs;

> provide support for conducting job melasand facilitate placements alongwith ECM;
> take care of insurance and regular maintenance pertaining to Hardware installed in ARC labs;
> follow the guidelines as specified by APSSDC from time to time;
> submit all reports and documents relating to progress of the students on rolls, Accounts, Audit and Annual Work Plan, as specified at such frequency as may be required by APSSDC.

Compliances:

- **KPIs** - Key Performance Indicators (KPIs) will be developed by APSSDC in mutual consultation with colleges and ECM.
- **Monitoring**: The activities of ARC Labs shall be regularly monitored through by APSSDC and also through the monitoring committee of APSSDC.
- Details of Data of Number of students passed out, placed (Trained for Employability), and unplaced on year-on-year basis.
- Institutions will face punitive action if found to be:

  ❖ indulging in any malpractice
  ❖ Provided false data in their reports
  ❖ Unable to achieve targets set by APSSDC/themselves in Proposals consistently
  ❖ Any non-compliance with the terms and conditions of this Agreement

E. Responsibilities of the Parties

All Parties agree that:

1. The Parties shall diligently perform their respective obligation under the Agreement as per the procedure set forth above.
2. To get the evaluation of the programs done by third party for assessing the impact with respect to quality of training programs.
3. Neither Party shall share any confidential information with any other party. The sharing of such database by each other will be on trust that it will not be used by either Party for providing any kind of information to any third party.

F. Branding:

ECM & College shall ensure necessary branding for ARC Lab. Signage for ARC lab is attached as Annexure 2 to this MoA. ECM & College shall follow the branding guidelines as specified by APSSDC from time to time.

G. Attendance:

APS GmbH European Center for Mechatronics.
Vaalser Str. 460, 52074 Aachen, Germany.

The college shall have requisite infrastructure and ECM shall ensure that students shall be registered through BIO-METRIC devices with Aadhaar (Unique Identification Number) seeded inputs. Attendance shall be captured through Aadhaar based Biometric devices only.

H. Arbitration:

The Parties shall endeavour to resolve all or any dispute or difference arising out of or in connection with this Agreement, amicably within 30 days of notice in writing being issued by the non-defaulting party to the defaulting party indicating such dispute or difference. In case no amicable solution is arrived between the Parties within the said 30 days, then such dispute/s shall be settled through Arbitration as per the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time. The arbitration shall be done by Sole Arbitrator appointed by APSSDC.The written award of the Arbitrator shall be final and binding on all the Parties. The seat and venue for the arbitration proceedings shall be at Vijayawada, Andhra Pradesh.

I. Termination of MoA:

The first partyshall have the right to terminate this MoA without assigning any reasons by giving prior written notice of 60(Sixty) days through its authorized signatory. Without prejudice to the above, either Party may terminate this MoA by giving 30 (Thirty) days' written notice through its authorized signatory in the event of any material breach of any of the material terms of this MoA by the other Party. The non-defaulting party shall first serve a written notice of its intention to terminate this MoA to the defaulting party highlighting the material breach and giving the defaulting party a period of 30 days or such extended period as may be mutually agreed to within which to remedy the material breach. Should such event of a material breach remain unresolved/unrectified within the said notice period of 30 days or such extended period as may be mutually agreed to, the non-defaulting shall be able to terminate the MoA forthwith.

J. Representations and Warranties by the Parties

In addition to the above, the Parties hereto represent and warrants to other Parties as under:
   a) That it is duly organized and validly existing under the laws of the jurisdiction in which it was incorporated and has the necessary corporate power and authority under applicable Laws to carry on its business and or perform its functions.
   b) That this MoA

   I.   is within its powers and has been duly authorized by it; and
   II. does not conflict in any material respect with any law or regulation or its constitutional documents or any document binding on it and that it has obtained all necessary consents for the performance by it under this MoA.
   c) That all information set forth in this MoA is true and correct and is not misleading in letter and spirit.

K. PERIOD OF VALIDITY:

APS GmbH European Center for Mechatronics
Vaalser Str. 460, 52074 Aachen, Germany.

This MoA shall become effective from the date hereof and shall be in force for a period of **Three years**, unless terminated by mutual consent of the parties.

L. LIMITATION OF LIABILITY

Except as agreed and provided under this Agreement, neither of the Parties shall be liable to bear or pay any damages arising out of loss of income, loss of profit, special, incidental, indirect, punitive, exemplary or consequential, to any party including third parties, and all such damages are expressively disclaimed.

M. NOTICES:

Unless otherwise provided herein, all notices or other communications under or in connection with this MoA shall be in English, will be issued in writing and shall be signed by the authorized representative of the issuing / serving Party and may be sent by personal delivery or post or courier or facsimile to the addressgiven above. Any such notice or other communication will be deemed to be effective if sent by personal delivery, when delivered, if sent by post, three days after being deposited in the post and if sent by courier, two days after being deposited with the courier.

N. COMMUNICATIONS AND PUBLICITY:

The Second& Third Party shall ensure that the name and logo of the first party should appear in all publication material. The Second& Third Party shall ensure that the sign board depicting the name of the First Party be affixed outside the college. The Parties shall consult and agree on all and any intended communications, publications, presentations and documentations relating to this Arrangement/ MoA(jointly the "Communication(s)") in advance prior to the intended release. If a MoA cannot be reached, a Party shall have the right to disclaim endorsement and/or dissociate itself from that Communication(s). No party shall use logo/trade mark etc. of each of the parties without obtaining its prior written concurrence to that effect.

O. IT IS MUTUALLY UNDERSTOOD AND AGREED BY AND BETWEEN THE PARTIES THAT:

AMENDMENT:Amendment within the scope of the instrument shall be made by mutual consent of the parties, by the issuance of a written modification, signed, and dated by all parties.

INFORMATION OWNERSHIP: All information provided by First Party shall only be utilized for conducting training and placement assistance and First Party holds no ownership over the content prepared by Second party.

PARTICIPATION IN SIMILAR ACTIVITIES: This Agreement in no way restricts First Party from participating in similar activities with other public or private agencies, organizations, and individuals.
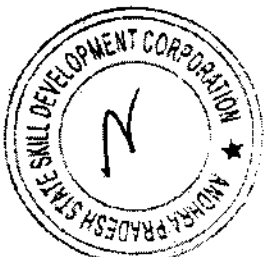
APS GmbH European Center for Mechatronics
Vaalser Str. 460, 52074 Aachen, Germany.

NON-FUND OBLIGATING DOCUMENT: This Agreement is neither a fiscal nor a funds obligation document.
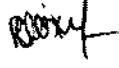
ESTABLISHMENT OF RESPONSIBILITY: This MoA is not intended to, and not create any right benefit or trust responsibility, substantive or procedural, enforceable at law, by a party against First Party or Second Party.

The parties hereto have executed this agreement as of the last written date below.

For Andhra Pradesh State Skill Development Corporation

Executive Director
Andhra Pradesh State Skill Development Corporation
Dept. of Skill Development,
Entrepreneurship & Innovation
Govt. of A.P. Vijayawada, A.P.

T. Anil Kumar
Executive Director – I

Witness:

For European Center for Mechatronics APS Gmbh
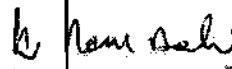
Till Quadflieg
Managing Director
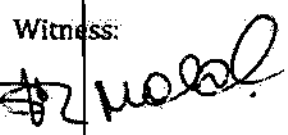
Witness:

APS GmbH European Center for Mechatronics
Vaalser Str. 460. 52074 Aachen, Germany.

For Sir C R Reddy College of Engineering

K. Rambabu PRINCIPAL
Correspondent

Witness:

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU –7

(Affiliated to JNTUK, Kakinada)

A DETAILED REPORT

2018-19

A THREE DAY WORKSHOP
on

"SCILAB FUNDAMENTALS"

Held on 28th -30th January 2019.

Convener
Dr. T. Venkateswara rao
Head of the department, ECE.

Coordinators

Mrs. K. Lavanya.
Assistant Professor.

Mrs. N, Lavanya.
Assistant Professor.

DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

INDEX

OBJECTIVES:

By providing basics on workshop to students, they will get idea on different mathematics operation. By using this knowledge they can develop simple real time problems. In this workshop we will use Scilab Software. This workshop aims at imparting job-oriented training on basic Mathematics operation, Matrixes, Functions & XCOS. More emphasis shall be given to hands-on (practical using Software) sessions for better understanding.

TOPICS AND HANDS-ON ACTIVITY IN THE WORKSHOP:

The duration of this workshop was three consecutive days with seven and half hours session each day. In a total of 21 hours properly divided into theory and hand on practical sessions.

S.No.	TOPIC	Duration
1.	Introduction to SCILAB and SCILAB Installation	4 hours
2.	Basic Mathematical operations using Hands on approach	3 hours
3.	Matrix operations and Plotting using Hands on approach	4 hours
4.	Conditional Branching , XCOS, Toolbox introduction and installation , DSP operations	4 hours
5.	Introduction to Image Processing, GUI, English Dictionary	3 hours
6.	Mini Project	3 hours
		21 hours

INTRODUCTION:

The purpose of this workshop was to get benefit from shared knowledge about SCILAB programming language. Scilab users can develop their own modules so that they can solve their particular problems. The Scilab language allows to dynamically compile and link other languages such as Fortran and C: this way, external libraries can be used as if they were a part of Scilab built-in features. Scilab also interfaces LabVIEW, a platform and development environment for a visual programming language from National Instruments.

- Scilab is a scientific software platform for numerical computation providing a powerful open computing environment for engineering and scientific applications.

- Scilab includes hundreds of mathematical functions with the possibility to add interactively programs from various languages (Fortran, C, C++, ...). It has sophisticated data structures (including lists, polynomials, rational functions, linear systems...), an interpreter and a high level programming language.

- Scilab has been conceived to be an open system where the user can define new data types and operations on these data types by overloading operators

DAY-1
Inaugural Address:

Venue: E – Class Room

Date: 28-01-2019

Time: 9:00 – 10:00 A.M

The Program started with Registrations from participants followed by a formal Inauguration in E Class Room. After inviting the dignitaries to dais, they tried to motivate the students by explaining the importance of Scilab.

Dr. T. Venkateswara Rao garu, HOD-ECE, Convener SCILAB Fundamentals Workshop addressing the students.

SESSION-I
KEY NOTE ADDRESS

Speaker: Ms. D. Gireesha

    She gave an overview of Scilab features so that the participants can get familiar with this environment. The goal is to present the core of skills necessary to start with Scilab. In this session, she presented how to get and install this software on our computer and also present how to get some help with the provided in-line documentation and an important feature of Scilab, that is the management of real matrices and overview the linear algebra library. The definition of functions and the elementary management of input and output variables is presented. Also Scilab's graphical features and shown how to create a 2D plot, how to configure the title and the legend and how to export that plot into a vectorial or bitmap formula.

SESSION-2

Venue: Library Browsing Centre

Time: 2:00 pm to 05:00pm

Mr. Rangu Siva Ranganayakulu

SESSION-3

XCOS is SCILAB tool dedicated to the modeling and simulation of hybrid dynamic systems including both continuous and discrete models. It also allows simulating systems governed by explicit equations and implicit equations. XCOS includes a graphical editor which allows to easily represent models as block diagrams by connecting the blocks to each other. Each block represents a predefined basic function or a user defined one.

Venue: Library Browsing Centre

Date: ...
Time: ... to ...

SESSION-6

Venue1: Library Browsing Centre

Date: 30-01-2019
Time: 2:00 Pm to 5:00 pm

Indeed, In this SCILAB workshop, the participants practiced the manipulation of vectors, matrices, functions, polynomials, graph and file management. There is two class of variables

: matrix and polynomial. Indeed, constant and vector are defined as matrixes. There are lots of pre defined functions. For example, inverse or diagonal a matrix, solve equations or linear systems, integrate or derivate polynomials or functions. The manipulation of these objects and functions is relatively easy.

SCILAB is not a programming language such as C++ or FORTRAN. Nevertheless, we can define functions and all the classical instructions such as conditionals or loops are available. There is no text editor as in MATLAB but we can write functions in file with a text editor. Your file must have the extension .sci. To compile, you must use the function getf (myfile.sci). It is very useful for define small program. You can also write a series of instructions.

SCILAB disposes of primitives which allow to achieve write or read operations in file. At the beginning, it is pretty difficult because there a lot of primitives and some primitives are reserved for binary file and the other for ASCII file. All the classical instructions are available such as Fast Fourier Transform (FFT). Moreover, we can get the equivalent of Simulink of Matlab: SCICOS that you can get at the web site.

Mr. R. Satish (Assistant Professor, Workshops Coordinator, Dept. of ECE) addressing the Students at Valedictory

Resource Persons and Senior Staff of Dept. of ECE addressing students at valedictory

As a conclusion, this software offers strong possibilities. The utilization is pretty easy for simple problem. For advanced problem, it is more complex. Moreover, we can access to introduction course on internet. But for advanced functions, it is more complex for find books or article. Moreover, there is some books and user manual but are paying and expensive. There is a lot of similarities with Matlab. The graphic interface on Scilab is less advanced : it is a simple interface, less developed than Matlab. For example, computation on matrix have similar syntax. Nevertheless, some functions proposed in Scilab are limited or complex for a beginner. For example, the Matlab to Scilab translator is not very efficient and require strong skills of Matlab. Some functions such as graphics or data interfacing are complex at the beginning.

CONCLUSION

The workshop turned out to be an eye opener for the students who wanted to learn SCILAB Fundamentals. The workshop helped students to grow their knowledge and boost their confidence regarding SCILAB programming and also gained a lot of concepts to get cleared with a friendly environment throughout the sessions. We thank the support of the Management, Head of Department, faculty members and Volunteers who helped us in conducting this workshop and making this event a grand success

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Ref No.: SIRCRRCOE/ECE-Workshop/ Sem-I/2019-20/1

Date: 11/07/2019

To

The Principal,

Sir C R R College of Engineering,

Eluru.

** Through Proper Channel **

Respected Sir,

Sub: Permission to conduct workshop on "Basic Python Programming" in association with APSSDC. 3rd year, ECE

It is to inform you that Andhra Pradesh State Skill Development Corporation has been training students in programs related to Python and Full Stack courses for the academic year 2019-20. In this context, we planned to conduct workshop on "Basic python programming" in association with APSSDC. Hence we request you to permit us to conduct the work shop. Budget details are as follows.

Total No of students expected to participate: 50

S No	Item	Amount in Rs
1	APSSDC Registration fee	50*150=7500/-
2	Posters and brochures & banners	750/-
3	Trainers accommodation & Hospitality	3*750/-=2250/-
4	Tea & Snacks	1000/-
5	Miscellaneous	500/-
	Total	12,000/-

Forwarded & Submitted that
if possible Please Sanction full amount
or otherwise 50% contribution
so that 50% may be collected from the
student (Registration fee only)

Coordinators

PHST (Dr P BST murth)

(R. Trinadh)

Head of the Department
Electronics & Communication Engg.
Sir C.R.R.College of Engineering
Eluru - 534 007

Principal **Dr. G. Samba Siva Rao** sir, the workshop co-Ordinator, faculty member Tejo Murthy. While addressing the gathering principal sir mentioned the impc python programming and encouraged the students to gain as much knowledge as the

Head of The Dept - Dr.T. Venkateswara Rao, Faculty and Students Participating in the Basic Python Workshop. HOD Sir along with the Staff Co-Ordinator's participated actively in the event.

Students showed a lot of interest in learning coding and programming. They interacted very well with the resource person and gained a lot of knowledge about python.

Basic Python Programming Schedule:

It was an one day seminar where students started from the very basics on the python. Then they completed the tasks that were given by the Coordinator's. They also build some of the programs on their own.

Conclusion:

The seminar was a success. Each member participated and seemed to enjoy themselves

Each student participated in the seminar gained basic knowledge on Python programming they learnt how to write and execute the CODE in Python programming.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Ref No.: SIRCRRCOE/ECE-Workshop/ Sem-I/2019-20/1   Date: 11/07/2019

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                                                          Coordinators

                                                          PHST → (Dr TUST Mah

                                                                (R. Trinadh)

Head of the Department
Electronics & Communication Engg.
Sir C.R.R.College of Engineering
Eluru - 534 007

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION
APSSDC - SIEMENS PROJECT

Certificate

SIEMENS
Ingenuity for life

Cert. No.   S-21/10218

This is to Certify that Mr./Ms./Mrs. .....Aluru Dheeraj kumar..

Student of ......Sir C R Reddy College of Engineering, Eluru..

has successfully completed the course in ...Automotive-2 Wheeler-Expert.................................

conducted at APSSDC SIEMENS CENTER...

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

from ....22-11-21.................. *to* ....04-12-21.................

Smt. Bharathi.H
General Manager (Technical),
APSSDC

Sri N. Bangara Raju
Managing Director,
APSSDC

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION
APSSDC - SIEMENS PROJECT

Certificate

SIEMENS
Ingenuity for life

Cert. No. S-21/2758

This is to Certify that Mr./Ms./Mrs. Aluru Dheeraj kumar

Student of Sir C R Reddy Engineering college

has successfully Participated online Training Program on

Automotive-2 Wheeler-Foundation

from 19-07-2021 *to* 31-07-2021

S.V.V Ramana
Project Director,
APSSDC

Sri N. Bangaru Raju
Managing Director,
APSSDC

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION
APSSDC - SIEMENS PROJECT

Certificate

SIEMENS
Ingenuity for life

Cert. No. S-21/2740

This is to Certify that Mr./Ms./Mrs. .... Aluru Dheeraj kumar ....

Student of ...... Sir C R Reddy Engineering college ....

.... *has successfully Participated online Training Program on*

.... Automotive-4 Wheeler-Foundation ....

from .... 19-07-2021 .... *to* ...... 31-07-2021 ....

S.V.V Ramana
Project Director,
APSSDC

Sri N. Bangaru Raju
Managing Director,
APSSDC

Cert No. ACETII24321

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Peddina Raja Satya Vivek

of Sir C R Reddy College of Engineering

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

Learning Modules Include Mechatronics and Robot Operating System (ROS) Programming by FH Aachen University, Germany, and Programmable Logic Controller (PLC) Modules from FESTO India.

Certification Partners

Skill AP
A P S S D C

Indo Euro
Synchronization
Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to
Mr./Ms. Lalam Mahesh
of Sir C R Reddy College of Engineering
for successfully completing the
International Internship
In Advance certification on Emerging Technologies
During August 29th - October 21st 2022

Learning Modules Include Mechatronics and Robot Operating System (ROS) Programming by
FH Aachen University, Germany, and Programmable Logic Controller (PLC) Modules from
FESTO India.

Certification Partners

Raj

Cert No. ACETII24323

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to
Mr./Ms. Vadlapatla Naveena
of Sir C R Reddy College of Engineering
for successfully completing the
International Internship
In Advance certification on Emerging Technologies
During August 29th - October 21st 2022

Learning Modules Include Mechatronics and Robot Operating System (ROS) Programming by
FH Aachen University, Germany, and Programmable Logic Controller (PLC) Modules from
FESTO India.

Certification Partn

SAMATA COLLEGE

Affiliated to Andhra University & Approved by AICTE

An ISO 9001: 2015 Certified Institution

SECTOR 10, MVP COLONY, VISAKHAPATNAM – 530 017. (A.P.)

alwar das group
free mind through education

MOU

SAMATA Degree College, Sector 10, MVP Colony, Visakhapatnam, Andhra Pradesh , India represented as head of the institute by **its Director and Incharge Principal Dr. B. Murali Krishna,** here in after referred to as **SDC**

AND

SIR C. R. REDDY COLLEGE OF ENGINEERING

ELURU-534007, West Godavari 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

This Memorandum of Understanding (MOU) is made on this 8ᵗʰ August 2018 between:

Sir C R Reddy College of Engineering, Eluru, and Andhra Pradesh, India, represented by its principal, **Dr. G. Sambha Siva Rao,** here in after referred to as **Sir CRRCOE.**

Both **Sir CRRCOE** and **SDC** are collectively referred to as the Parties and individually as a Party.

WHEREAS, **Sir CRRCOE** is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, **SDC** is an institution offering various undergraduate programs in management sciences disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, both the Parties are committed to enhancing the quality of engineering education, management science and research through collaboration and cooperation;

WHEREAS, both the Parties are committed to enhancing the quality of engineering education , management science and research through collaboration and cooperation;

NOW THEREFORE, the Parties agree as follows:

1. Objectives

The objectives of this MOU are:

- To conduct joint FDPs, workshops, seminars, both national and International Conferences on topics of mutual interest and relevance.
- To share the resources, expertise and best practices of both the institutions.
- To facilitate the participation of faculty members and students of both the institutions in the FDPs, workshops and seminars, both National and International Conferences conducted by either institution.
- To explore the possibilities of joint research projects, consultancy services and publications.

2. Scope

The scope of this MOU covers the following areas:

- **FDPs**: The Parties will jointly organize FDPs on emerging topics and technologies in engineering disciplines. The FDPs will be designed to enhance the knowledge, skills and competencies of the faculty members of both the institutions. The FDPs will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the FDPs will be decided mutually by the Parties.

- **Workshops**: The Parties will jointly organize workshops on practical aspects and applications of engineering concepts and tools. The workshops will be aimed at providing hands-on experience and exposure to the faculty members and students of both the institutions. The workshops will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the workshops will be decided mutually by the Parties.

- **Seminars**: The parties will jointly organize seminars on current issues and trends in engineering domains. The seminars will be intended to provide a platform for sharing ideas, insights and experiences among the faculty members and students of both the institutions. The seminars will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and

participants. The duration, frequency, venue, fees, certificates and other details of the seminars will be decided mutually by the Parties.

- **Research and Incubation Cell:** The parties will explore the possibilities of undertaking joint research projects, consultancy services and publications in the areas of mutual interest and relevance. The parties will identify the research topics, objectives, methodology, funding, timeline, deliverables and other aspects of the research projects. The parties will also seek to publish the research outcomes in reputed journals and conferences. The parties will share the intellectual property rights, benefits and responsibilities arising from the research activities as per the agreed terms and conditions.

- **Exchange:** The parties will facilitate the exchange of faculty members and students for participating in the FDPs, workshops and seminars conducted by either party. The parties will also encourage the exchange of faculty members and students for pursuing research projects, consultancy services and publications. The parties will provide the necessary support and assistance to the visiting faculty members and students in terms of accommodation, transportation, access to facilities and resources, etc. The parties will also recognize the credits earned by the visiting faculty members and students as per the norms and regulations of their respective institutions.

- **National and International Conferences:** The parties will jointly organize National and International Conferences on current issues and trends in engineering domains. The background and context of the conference, such as the theme, objectives, expected outcomes, target audience. The roles and responsibilities of each party involved in the conference, such as the organizers, sponsors, speakers, participants. The terms and conditions of the collaboration, such as the duration, budget, resources, communication, reporting, evaluation. The signatures and dates of the authorized representatives of each party.

3. Coordination:

The parties will appoint a coordinator from each institution to oversee the implementation of this MOU. The coordinators will be responsible for:

- Communicating with each other on a regular basis to plan, execute and monitor the activities under this MOU.

- Liaising with the respective authorities, departments, faculty members and students of their institutions to facilitate the smooth functioning of the activities under this MOU.

- Resolving any issues or disputes that may arise during the course of this MOU.

- Preparing and submitting periodic reports on the progress and outcomes of the activities under this MOU.

The names and contact details of the coordinators are as follows:

For Sir CRRCOE	For SDC
Name of the Coordinator: Dr M. KRISHNA Designation: Professor, CSE Dept , Sir CRRCOE Email id:marlapallikrishna@gmail.com Contact No. : 9394501367 Web: https://sircrrengg.ac.in/	Name of the Coordinator: Mr.G.Ramesh Assistant Professor, MBA Dept , SAMATA Degree College, Sector 10, MVP Colony, Visakhapatnam, Andhra Pradesh- 530017 Contact Details: 9392370507 E-mail: rganta7579@gmail.com Web: https://samatacollege.co.in/

4. Duration

This MOU will come into effect from the date of signing by both the parties and will remain valid for a period of ONE year from **August 2018 to August 2019**. The parties may extend or renew this MOU by mutual consent in writing before the expiry of this MOU.

5. Termination

Either party may terminate this MOU by giving an advance written notice of three months to the other party. The termination of this MOU will not affect the ongoing activities under this MOU, unless otherwise agreed by both the parties.

6. Amendment

This MOU may be amended by mutual consent of both the parties in writing. Any amendment to this MOU will be signed by both the parties and will form part of this MOU.

7. Arbitration

In case of any dispute or difference arising out of or in connection with this MOU, the parties will try to resolve it amicably through consultation and negotiation. If the dispute or difference remains unresolved after 30 days of consultation and negotiation, then it will be referred to arbitration by a sole arbitrator appointed by mutual consent of both the parties. The arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. The venue of arbitration will be Vijayawada, Andhra Pradesh. The language of arbitration will be English. The award of the arbitrator will be final and binding on both the parties.

8. Miscellaneous

- This MOU is not intended to create any legal or contractual obligations or liabilities on either party.

- This MOU is not intended to confer any rights or benefits on any third party.

- This MOU is subject to the laws of India and the jurisdiction of the courts at Vijayawada, Andhra Pradesh.

- This MOU is executed in two originals, one for each party.

IN WITNESS WHEREOF, both the Parties have signed this MOU on the date and place mentioned below:

For Sir CRRCOE	For SDC
Principal signature and name:	Director signature and name:
Dr. G.Samba Siva Rao	Dr. B. Murali Krishna
Date : 08.08.2018	Date : 08.08.2018
College Seal :	College Seal :

Principal
Sir C R Reddy College of Engineering,
Vatluru, Eluru-534007
Eluru District, A.P, India.
Place: Eluru

Principal
Address : SAMATA Degree College,
Sector 10, MVP Colony,
Visakhapatnam, Andhra Pradesh- 530017
A.P, India
Place: Visakhapatnam

SAMATA DEGREE COLLEGE
Affiliated to Andhra University & Approved by AICTE
An ISO 9001 : 2015 Certified Institution
M.V.P. COLONY, VISAKHAPATNAM - 530017. (A.P.)

alwar das group

Prof. G. Srinivasa Rao
M.Sc., MBA., M.Phil., Ph.D., PGDCA
DIRECTOR & I/c. PRINCIPAL

Date: 26/10/2018

FACULTY EXCHANGE PROGRAMME

Attendance Certificate

This is to certify that Mr. Kodali Venkat Sridhar, Assistant Professor, Department of

Management Studies, SIR C. R. Reddy College of Engineering, Eluru conducted a

Personality Development Programme on 25th & 26th October, 2018 in our college for 1st Year

MBA Students.
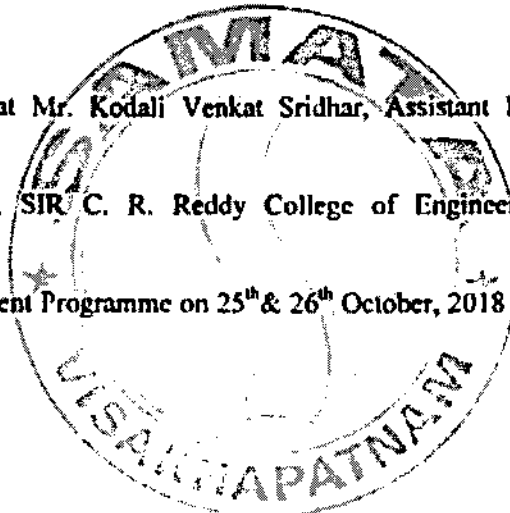
Director

Ref. No.

Date : .....09-08-2018.................

INDUSTRY-INSTITUTION INTERACTION

MEMORANDUM OF UNDERSTANDING

Between

SIR C R R COLLEGE OF ENGINEERING, ELURU

and

G&J INFRA COMPANY, VIJAYAWADA

For

INDUSTRY-INSTITUTION COLLABRATION

In accordance with the mutual desire to promote cooperation between Sir C R R College of Engineering, Eluru and G&J Infra Company, Vijayawada. The Institution and the Industry enter into this formal statement of collaboration in the form of Memorandum of Understanding (MOU) for the purpose of technology interaction.

Both the institution and the Firm have found it mutually beneficial to explore cooperative activities for the following purposes.

1. Inplant training of Civil Engineering Dept., students and faculty for a mutually convenient period at Prasad Constructions the number of students/faculty/staff will be decided on an year to year basis.

2. Collaboration in Firm/Institution oriented activities between the Firm and the Civil Engineering Dept. of the Institution.

3. Two-way transfer of technology information and knowledge through collaboration programmes like Guest Lectures, Seminars, Symposia and other interactive programmes.

4. Exchange of visits of technical people of the Firm to Institute and vice-versa.

5. Provide free access to knowledge resource of the Institute to the Firm and vice-versa.

6. Provide free access to laboratory and testing facilities available at the Civil Engineering Dept. of the Institute to the Firm and vice-versa.

7. Pool up the knowledge and expertise of the technical people of the Firm and the Civil Engineering Dept. of the Institute for mutually agreed execution of joint ventures/activities.

8. Provide assistance/guidance for the project work of U.G. programmes and for research work of mutual interest.

It is understood that the arrangements are made to store the details of the activities and for the utilization of the results achieved in respect of the above activities and also other forms of cooperation will be handled on mutually agreeable terms.

G&J Infra Company

For G & J INFRA

Authorised Signature

G & J INFRA
59/A-8/8-7, Plot No: 36,
Maruthi Co-operative Colony,
Opp: Gurunanak Nagar, Patamata,
VIJAYAWADA-520 008

Principal
Sir C.R.R College of Engineering

Internship Certificate

This is to certify that **Mr MODHAVA DAVID**, is a student of **SIR C R REDDY COLLEGE OF ENGINEERING**, studying 3rd year second semester, Bearing Regd No. 20B85A0111, he has successfully completed **INTERNSHIP PROGRAM** at G&J INFRA PVT LTD- VIJAYAWADA on **"DETAILED ESTIMATION, PROJECT EXECUTION & STRUCTURAL DETAILING"** from 05-May-2022 to 01-July-2022, he has technically learnt well and has worked well on site and has played a good role in various activities.

"His conduct and commitment are EXCELLENT"

(J. MADAN MOHAN $_{M.S}$)
Director of G&J INFRA
G&J INFRA PVT LTD
VIJAYAWADA

G & J INFRA
59/A-8/8-7, Plot No· 36,
Maruthi Co-operative Colony,
Opp: Gurunanak Nagar, Patamata,
VIJAYAWADA-520 008

IDEAL INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada
Vidyutnagar, KAKINADA - 533 003, (A.P.)
Mobile : 9848179610, 80085 64954 Ph : +0884 - 2363345

Web : www.idealtech.edu.in   Email : 6k.principal@jntuk.edu.in

Dr. T. Srikanth, B.E., M.Tech., Ph.D
Principal

MOU

This Memorandum of Understanding (MOU) is made on this 10ᵗʰ August 2018 between:

IDEAL INSTITUTE OF TECHNOLOGY. Vidyut Nagar, Kakinada, Andhra Pradesh 533003 represented by its **Principal Dr. T. Srikanth**, here in after referred to as **IDEAL**

AND

Sir C R Reddy College of Engineering. Eluru, and Andhra Pradesh, India, represented by its Principal, **Dr.G Samba Siva Rao**, here in after referred to as **Sir CRRCOE.**

Both **IDEAL** and **Sir CRRCOE** are collectively referred to as the Parties and individually as a Party.

WHEREAS, **IDEAL** is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, **Sir CRRCOE** is an institution offering various undergraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, both the Parties are committed to enhancing the quality of engineering education and research through collaboration and cooperation;

NOW THEREFORE, the Parties agree as follows:

1. Objectives

The objectives of this MOU are:

- To conduct joint FDPs, workshops, seminars, both national and International Conferences on topics of mutual interest and relevance.
- To share the resources, expertise and best practices of both the institutions.

- To facilitate the participation of faculty members and students of both the institutions in the FDPs, workshops and seminars, both National and International Conferences conducted by either institution.
- To explore the possibilities of joint research projects, consultancy services and publications.

2. Scope

The scope of this MOU covers the following areas:

- **FDPs**: The Parties will jointly organize FDPs on emerging topics and technologies in engineering disciplines. The FDPs will be designed to enhance the knowledge, skills and competencies of the faculty members of both the institutions. The FDPs will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the FDPs will be decided mutually by the Parties.

- **Workshops**: The Parties will jointly organize workshops on practical aspects and applications of engineering concepts and tools. The workshops will be aimed at providing hands-on experience and exposure to the faculty members and students of both the institutions. The workshops will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the workshops will be decided mutually by the Parties.

- **Seminars**: The parties will jointly organize seminars on current issues and trends in engineering domains. The seminars will be intended to provide a platform for sharing ideas, insights and experiences among the faculty members and students of both the institutions. The seminars will be conducted either online or offline or in a blended mode as per the convenience and availability of the resource persons and participants. The duration, frequency, venue, fees, certificates and other details of the seminars will be decided mutually by the Parties.

- **Research and Incubation Cell**: The parties will explore the possibilities of undertaking joint research projects, consultancy services and publications in the areas of mutual interest and relevance. The parties will identify the research topics, objectives, methodology, funding, timeline, deliverables and other aspects of the research projects. The parties will also seek to publish the research outcomes in reputed journals and conferences. The parties will share the intellectual property rights, benefits and responsibilities arising from the research activities as per the agreed terms and conditions.

- **Exchange**: The parties will facilitate the exchange of faculty members and students for participating in the FDPs, workshops and seminars conducted by either party. The parties will also encourage the exchange of faculty members and students for pursuing research projects, consultancy services and publications. The parties will provide the necessary support and assistance to the visiting faculty members and students in terms of accommodation, transportation, access to facilities and resources,

etc. The parties will also recognize the credits earned by the visiting faculty members and students as per the norms and regulations of their respective institutions.

- **National and International Conferences**: The parties will jointly organize National and International Conferences on current issues and trends in engineering domains. The background and context of the conference, such as the theme, objectives, expected outcomes, target audience. The roles and responsibilities of each party involved in the conference, such as the organizers, sponsors, speakers, participants. The terms and conditions of the collaboration, such as the duration, budget, resources, communication, reporting, evaluation. The signatures and dates of the authorized representatives of each party.

3. Coordination:

The parties will appoint a coordinator from each institution to oversee the implementation of this MOU. The coordinators will be responsible for:

- Communicating with each other on a regular basis to plan, execute and monitor the activities under this MOU.

- Liaising with the respective authorities, departments, faculty members and students of their institutions to facilitate the smooth functioning of the activities under this MOU.

- Resolving any issues or disputes that may arise during the course of this MOU.

- Preparing and submitting periodic reports on the progress and outcomes of the activities under this MOU.

The names and contact details of the coordinators are as follows:

IDEAL	Sir CRRCOE
Name of the Coordinator:	Name of the Coordinator:
Mrs.Radhika Krupalini	Dr M. KRISHNA
Professor, CSE Dept , Ideal Institute of	Designation: Professor, CSE Dept , Sir CRRCOE
Technology ,Vidyut Nagar , Kakinada-533003	Emailid:marlapallikrishna@gmail.com
Contact Details: 9246691771	Contact No. : 9394501367
E-mails:6k.principal@jntuk.edu.in	Web: https://sircrrengg.ac.in/
Web: www. idealtech.edu.in	

4. Duration

This MOU will come into effect from the date of signing by both the parties and will remain valid for a period of ONE year from **August 2018 to August 2019**. The parties may extend or renew this MOU by mutual consent in writing before the expiry of this MOU.

5. Termination

Either party may terminate this MOU by giving an advance written notice of three months to the other party. The termination of this MOU will not affect the ongoing activities under this MOU, unless otherwise agreed by both the parties.

6. Amendment

This MOU may be amended by mutual consent of both the parties in writing. Any amendment to this MOU will be signed by both the parties and will form part of this MOU.
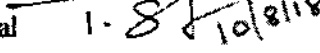
7. Arbitration

In case of any dispute or difference arising out of or in connection with this MOU, the parties will try to resolve it amicably through consultation and negotiation. If the dispute or difference remains unresolved after 30 days of consultation and negotiation, then it will be referred to arbitration by a sole arbitrator appointed by mutual consent of both the parties. The arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. The venue of arbitration will be Vijayawada, Andhra Pradesh. The language of arbitration will be English. The award of the arbitrator will be final and binding on both the parties.

8. Miscellaneous

- This MOU is not intended to create any legal or contractual obligations or liabilities on either party.

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- This MOU is subject to the laws of India and the jurisdiction of the courts at Vijayawada, Andhra Pradesh.

- This MOU is executed in two originals, one for each party.

IN WITNESS WHEREOF, both the Parties have signed this MOU on the date and place mentioned below:

For IDEAL	For Sir CRRCOE
Principal signature and name:	Principal signature and name:
Dr.T.Srikanth	Dr.G.Samba Siva Rao
	Principal
	Sir C R Reddy College of Engineering
Date : 10-08-2018	Date : 10-08-2018 ELURU - 534 007
College Seal:	College Seal :

Principal

Address : Ideal Institute of Technology
Vidyut Nagar,Kakinada -533003,
Kakinada District, A.P, India
Place:Kakinda

Principal

Sir C R Reddy College of Engineering ,
Vatluru, Eluru-534007,
Eluru District, A.P, India.
Place:Eluru

IDEAL
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This is to Certify that

K. Swathi

of *Sir C. R. Reddy College of Engineering*

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

" INTRODUCTION TO MACHINE LEARNING AND ITS APPLICATIONS"

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

R S V V PRASAD RAO
CONVENER

M.S.R.S.PRASAD
HOD

Dr. T. Srikanth
PRINCIPAL

IDEAL
INSTITUTE OF TECHNOLOGY

Certificate of Participation

This is to Certify that

S. V. S. Kumar

of _Sir C. R. Reddy College of Engineering_

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

" INTRODUCTION TO MACHINE LEARNING AND ITS APPLICATIONS"

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

R S V V PRASAD RAO
CONVENER

M.S.R.S.PRASAD
HOD

Dr. T. Srikanth
PRINCIPAL

MOU

This Memorandum of Understanding (MOU) is made on this 11th October, 2018 between:

Visakha Institute of Engineering & Technology, 88th division, Narava, Visakhapatnam, represented by its **Principal Dr.Y.Prasanna Kumar, Head of the Institution** here in after referred to as **"VIET"**.

AND
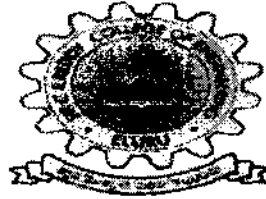
SIR C R REDDY COLLEGE OF ENGINEERING

Vatluru ,Eluru , Andhra Pradesh, India

Sir C R Reddy College of Engineering, Vatluru ,Eluru , Andhra Pradesh, India, represented by its **Principal, Dr.G.Samba SivaRao, Head of the Institution** here in after referred to as **"Sir CRRCOE"**.

Both VIET and Sir CRRCOE are collectively referred to as the Parties and individually as a Party.

WHEREAS, **VIET** is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities.

WHEREAS, **Sir CRRCOE** is an institution offering various undergraduate and postgraduate programs in engineering disciplines with state-of-the-art infrastructure and facilities;

WHEREAS, both the Parties are committed to enhancing the quality of Engineering Education and Research through collaboration and cooperation;

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
57ᵗʰ Division, Narava, VISAKHAPATNAM – 530 027
E:principal.vspt@gmail.com   w:www.vietvsp.com   P: 0891-2892915

NOW THEREFORE, the Parties agree as follows:

1. Objectives

The objectives of this MOU are:

- To conduct joint FDPs, workshops, seminars, both national and International Conferences on topics of mutual interest and relevance.
- To share the resources, expertise and best practices of both the institutions.
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(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
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3. Coordination:

The parties will appoint a coordinator from each institution to oversee the implementation of this MOU. The coordinators will be responsible for:

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- Liaising with the respective authorities, departments, faculty members and students of their institutions to facilitate the smooth functioning of the activities under this MOU.

- Resolving any issues or disputes that may arise during the course of this MOU.

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to JNTUK, Kakinada)
57ᵗʰ Division, Narava, VISAKHAPATNAM – 530 027
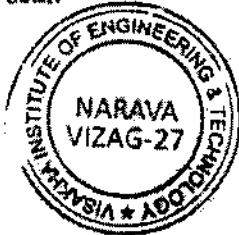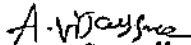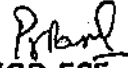E:principal.vspt@gmail.com   w:www.vietvsp.com   P: 0891-2892915

- Preparing and submitting periodic reports on the progress and outcomes of the activities under this MOU.

The names and contact details of the coordinators are as follows:

VIET:	Sir CRRCOE
Name of the Coordinator Mrs.K.Chandana Associate Professor , Mechanical Engineering, Contact Details: 7981431817 E-mails: iqac@viet.edu.in Web: https://viet.edu.in/	Name of the Coordinator: Dr M. KRISHNA Designation: Professor, CSE Dept , Sir CRRCOE Emailid:marlapallikrishna@gmail.com Contact No. : 9394501367

4. Duration

This MOU will come into effect from the date of signing by both the parties and will remain valid for a period of ONE year from **October2018 to October 2019**. The parties may extend or renew this MOU by mutual consent in writing before the expiry of this MOU.

5. Termination

Either party may terminate this MOU by giving an advance written notice of three months to the other party. The termination of this MOU will not affect the ongoing activities under this MOU, unless otherwise agreed by both the parties.

6. Amendment

This MOU may be amended by mutual consent of both the parties in writing. Any amendment to this MOU will be signed by both the parties and will form part of this MOU.

7. Arbitration

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of arbitration will be Vijayawada, Andhra Pradesh. The language of arbitration will be English. The award of the arbitrator will be final and binding on both the parties.

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- This MOU is not intended to confer any rights or benefits on any third party.

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- This MOU is executed in two originals, one for each party.

IN WITNESS WHEREOF, both the Parties have signed this MOU on the date and place mentioned below:

For VIET	For Sir CRRCOE
Principal signature and name:	Principal signature and name:
Dr.Y.Prassana Kumar PRINCIPAL VISAKHA INSTITUTE OF	Dr.G. Samba Siva Rao
Date : 11-10-2018 ENGINEERING & TECHNOLOGY Narava, Visakhapatnam-530 027	Date : 11-10-2018 Principal Sir C R Reddy College of Engineering
College seal:	College Seal : ELURU - 534 007

Principal	**Principal**
Visakha Institute of Engineering & Technology, Narava Visakhapatnam.	Sir C R Reddy College of Engineering , Vatluru ,Eluru-534007, Eluru District, A.P, India. Place:Eluru Andhra Pradesh – 521108

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

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

57th Division, Narava, VISAKHAPATNAM – 530 027

E: principal.vspt@gmail.com   w: www.vietvsp.com   P: 0891-2892902

Certificate of Participation

This is to certify that Mr./Mrs. __G. Sri Latha__ *of* __SA CRR COE__ *has participated in "A Five DaysOnline FDP Certificate Program on"Practical RF Antenna Design with Simulation"organized by Department of Electronicsand Communicatio Vishaka Institute of Engineering and Technology,Narava,57th division,Viskhapatnam, A.PState,India, from 11th Feb-15th Feb,2019.*

Program Coordinator

Mrs.A.Vijayasree

HOD-ECE

Bighneswer Panda

Principal

Dr.Prasanna Kumar

VISAKHA INSTITUTE OF ENGINEERING & TECHNOLOGY

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

57th Division, Narava, VISAKHAPATNAM – 530 027

E: principal.vspt@gmail.com   w: www.vietvsp.com   P: 0891-2892902

Certificate of Participation

This is to certify that Mr./Mrs. __T. HEMA LATHA__ of __SIR CRR LOC__ has participated in "*A Five DaysOnline FDP Certificate Program on"Practical RF Antenna Design with Simulation"organized by Department of Electronicsand Communicatio Vishaka Institute of Engineering and Technology,Narava,57th division,Viskhapatnam, A.PState,India, from 11thFeb-15thFeb,2019.*

Program Coordinator

Mrs.A.Vijayasree

HOD-ECE

Bighneswer Panda

Principal

Dr.Prasanna Kumar

The following projects of 4/4 ECE have been completed by utilizing IoT lab in the AY: 2019-20

S. No	Regd. Number	Project area	Name of the guide
1	316177112050,185,41,31,48	IoT based smart LPG monitoring and automatic booking system	P.Srinivasulu
2	316177112037,16,32,47	Health care monitoring system and transforming monitor data in to real time clinical feedback based on IoT using raspberrypi	A.M.Vamsi krishna
3	316177112046,42,190,58	Design and development of smart and intelligent multifunctional wheel chair	Dr.M.Ravikumar
4	316177112015,38,188,17	Finger print and biometric smart banking mchine embedded with GSM technology for OTP using IoT	Dr.Ch.MadhavaRao
5	316177112019,189,29,34	Smart irrigation system using IoT	Dr.T.HS.Tejomurthy
6	316177112084,116,91,194,86	Women security system using GSM and GPS	M. Narendra Kumar
7	316177112115,68,90,72,108	Identification of moving objects and implementation using iot	Dr. T. Venkateswara Rao
8	316177112096,113,199,106	Mine safety system using internet of things	Dr. Ch Madhav Rao
9	316177112085,78,192,69	Design of an embedded based control system for efficient sorting of plastic using infrared spectroscopy	M. Greeshma
10	316177112098,81,104,193	Bike theft security system using GSM and GPS	CH Jayaprakash
11	316177112073,112,87,63	Smart home: controlling home activities using IoT	N.suneetha
12	316177112191,79,77,64	Real time embedded face recognition for smart home	K. Lavanya
13	316177112094,97,201,197	Implementation of voice based home automation system using smart app	N. Swathi
14	316177112105,102,93,100	Intelligent shopping trolley using RFID and raspberry pi with iot	Y. B. N. V. Bhaskar
15	316177112155,146,156,138	Monitoring on Extrication of fisherman	R.Trinadh
16	316177112172,171,161,121	Design and implementation of an efficient AQM system using IoT	A.Ramkumar
17	316177112128,210,135,157	RF ID assistant smart authentication system using IoT	V.Ranjith kumar

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU – 7
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG.
2020 -21 HARDWARE PROJECTS

The following projects of 4/4 ECE have been completed by utilizing IoT lab in the AY: 2020-21
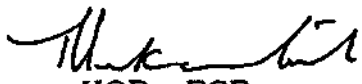
S. No	Regd. Number	Project area	Name of the guide
1	17B81A0405,40,07,57,51	IoT Auto Temperature Scan Entry System-Thermal Flap Barrier COVID Prevention.	Mrs.N.Swathi
2	17B81A0421,19,17,28,26	Social Distancing Using Deep Learning.	Dr. R.Satish
3	17B81A0442,41,35,LE-12,E3	Plant Disease Detection Using Machine Learning.	Mrs.V.Swathi
4	17B81A0425,LE-08,39,29	Unique Identification For Monitoring of COVID-19 Using Internet – of- Things.	Dr. M.RaviKumar
5	17B81A04B9,LE-25,A9,B8,A8	Prediction of Heart Disease Using Machine Learning.	Mr.Ch.Jaya Prakash
6	18B81A0426,17B81A095,LE-16,A0,91	Remote Monitoring of Food Spoilage Using Smart Technology,	Mrs.P.Sowmithri
7	17B81A04B1,80,66,96,LE-27	Speech Emotion Recognition Using Python.	Mrs.V.Vamsi Sudheera
8	17B81A04B3,81,A3,94,63	Credit Card Fraud Detection Using Machine Learning.	Mr.Ch.Jaya Prakash
9	17B81A04D0,D9,G3,C6,F0	Implementation Of High Performance Parallel Prefix Adder Architecture.	Mr.H.Sudhakar
10	17B81A04C2,E7,D7,01	Co-alert: A Social Distancing Remainder.	Mr.K.Miranji
11	17B81A04H6,G6,D8,F2	Personal Monitoring And Emergency Response Device.	Mr.A.M,Vamsee Krishna

HOD – ECE
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SIR C R REDDY COLLEGE OF ENGINEERING, ELURU – 7
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG.
2021 -22 HARDWARE PROJECTS

The following projects of 4/4 ECE have been completed by utilizing IoT lab in the AY: 2021-22

S. No	Regd. Number	Project area	Name of the guide
1	18B81A0402,441,442,404,LE-406	Accurate Recognition of Corona Virus from upper body X-Ray images using AI	Mr.D.Ajay Kumar
2	18B81A0440,410,443,411,415	Dermatological Disease Detection using Convolutional Neural Networks	Mr.V.Surendra Babu
3	18B81A0414,429,409,437,403	Identification of Coronary Heart Disease through IRIS using Deep Learning Methods	Dr.R.Satish
4	18B81A0478,490,4A4,479,465	Smart Weather Monitoring in a Poultry Farm	Dr.M.Ravi Kumar
5	18B81A04B6,474,4A9,468,482	Anti Theft Finger Print Security System for Motor Vehicles	Mr.M.Narendra Kumar
6	18B81A04A1,4B2,4B0,4B3,462	Design of River Waste Collector Machine using Arduino	Mrs.N.Lavanya
7	18B81A04G0,4G4,4G2,4F2,4E3	Remote Intelligent Infant Incubator	Dr.Ch.Madhava Rao
8	18B81A04G5,4E8,4C4,4D3,LE-429	Iot based Industrial Monitoring System	Mr.Ch.Jaya Prakash
9	18B81A04D9,4G6,4E2,4E7,LE-422	Water Quality Monitoring System using ESP-32	Mrs.P.Sowmithri
10	18B81A04D8,4C5,4E6,4C6,LE-421	Iot based Health Care Monitoring System with BSN by using Rasberry-pi with APP	Mr.A.Vamsi Krishna
11	18B81A04G7,4E0,LE-428,426,17B81A0446	Human Machine Interface using Voice Control Mechanism	Mr.Ch.Ravi Kumar
12	18B81A04D7,4C1,4C3,4E5,LE-423	Missile Detection by Ultrasonic and Auto destroy System using IoT	Mr.N.Swathi
13	18B81A04D2,LE-425,4F4,4F8,18HK1A0404	Security based Smart ATM using IoT	Dr.M.Ravi Kumar
14	18B81A04G1,4F7,4E4,LE-427	Automatic Identification System of Fishing Vessels of Indian Fisher man	Dr.T.Venkateswara Rao

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Sir C.R.R.College of Engineeri;
Eluru - 534 007
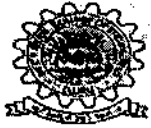
SIR C R REDDY COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
AY: 2019-20

A Report Submitted on

Title of the Event : A workshop on "Programming on Arduino + NODEMCU & Sensors Interfacing"

Dates& Time : 30th&31st August 2019   - 09.00am to 05.00pm

                    4th&5th September 2019   - 09.00 am to 05.00 pm

Venue : e- class Room& EDC-2 Lab

Benefited Students : II/IV B.E E.C.E Students

No. of Students Attended : 74

Resource Persons : A.M. Vamsee Krishna, Assistant professor

Address : Dept. of ECE
Sir C R Reddy college of Engineering
Vatluru, Eluru
Westgodavari District -534007

Organized By : ,Department of ECE
In association with R&D Cell (ECE Dept.), Electronics Hobby Club (EHC) of ECE Dept.

Workshop Coordinators : A.M. Vamsee Krishna, Assistant Professor, ECE Dept.

            K.Lavanya, Assistant Professor, ECE Dept.

            N.Swathi, Assistant Professor, ECE Dept.

PROGRAMMING ON ARDUINO + NODEMCU & SENSORS INTERFACING

Objective:

The aim of the workshop is to educate the students about the programming on Arduino and Node MCU and how to develop or invent new things.

At the end of workshop

Each participant:

- will leave the workshop with a working knowledge of how to get started using Arduino
- will know what to do next to keep learning and working with Arduino
- will learn and apply at least 3 basic Arduino programming skills

Arduino Workshop Schedule:

Arduino

Number of Days	Type of Session
Day 1(Afternoon)	Theoretical Session
Day2 (F.N & A.N)	Practical Session

<u>WorkshopSchedule Details:</u>

1. DAY_1 (AFTERNOON):

❖ BASIC CONCEPTS

- Introductory concepts(Basic Components)
- Evolution of Micro Controllers
- Analog vs Digital
- Input vs Output
- Pulse Width Modulation.
- Continuity Concept

❖ INTRODUCTION TO MICRO CONTROLLERS
- Types of Microcontrollers

- Basic Microcontroller Manufacturers.

MANUFACTURER	MICROCONTROLLER	IDE
ATMEL	AVR (ATTINY,ATMEGA,ATXMEGA)	AVRSTUDIO
MICROCHIP	PIC	MPLABX
ARDUINO	AVR(ATMEGA328)	ARDUINO

- Basic Architecture of Microcontroller

❖ BASICS IN SERIAL COMMUNICATION
- RS 232
- MAX 232
- UART

❖ INTRODUCTION TO ARDUINO
- Different Types of Arduino Board
- Arduino UNO Specifications
- Pin Configuration Arduino UNO
- Basics of AtMega328
- Pin Configuration of AtMega328
- Advantages of Arduino.

❖ Digital Sensors:

INPUT	OUTPUT
PUSHBUTTON	RELAY
PIR	LED

❖ Analog Sensors:
- POTENTIOMETER
- FLEXSENSOR
- TEMPERATURESENSOR
- PIEZO ELEMENT
- LDR

- ACCLEROMETER
- ULTRASONIC SENSOR

❖ Motors:

- DC MOTOR
- SERVOMOTOR

2. DAY-2(FORENOON):

Introduction to Sensors:

Project Code Details:

Basics:

- LED Blink
- LED Fading

Sensors:

❖ Digital Sensors:

- Push Button
- PIR Sensor

❖ Analog Sensors:

- Potentiometer
- LDR
- Temperature Sensor
- Piezo Electric Transducer

1. LED Blink
2. LED Fading
3. Push Button
4. PIR Sensor
5. Servo Motor
6. Proximity Sensor (HC – SR04)
7. Potentiometer
8. LDR
9. Temperature Sensor (LM-35)
10. Accelerometer (ADXL 335)

DAY-2 (AFTERNOON)

11. Bluetooth (HC - 05) (Home Automation)
12. DTMF Based Home Automation

13. Automatic Traffic Lights Controller

14. PC Controlled Bot

15. Gesture Controlled Bot

Added Projects: (2018-2019):

16. LCD Interfacing

17. DC motor interfacing (LM293D-Driver)

18. RF Module

19. Interfacing Zigbee Module

Summary Report:

The **Programming on Arduino + NODEMCU & Sensors Interfacing Workshop** is a beginner's workshop designed to get newcomers up and running with Arduino development board. This workshop was organized by the department of ECE, in association with R&D Cell (ECE Dept.), Electronics Hobby Club (EHC) of ECE Dept. There were 74 students participated from ECE discipline (2nd year). The workshop conducted into two separate batches.

The workshop was inaugurated by **Dr. T.Venkateswararao, Head of Department, Department of ECE, Sir C R Reddy college of Engineering.**

The workshop is coordinated by **Mr. A.M. Vamsee Krishna, Assistant Professor, Dept. of ECE, Mrs. K. Lavanya, Assistant Professor, Dept. of ECE., Mrs. N. Swathi, Assistant Professor, Dept. of ECE**

The workshop program is scheduled as follows

BATCH-1: ECE A/S & B/S - 30th&31st August 2019	
30.08.2019 (F.N)	Theory
30.08.2019(A.N)	Practical
31.08.2019 (F.N)	Practical
VENUE	e-Class room& EDC-2 Lab

BATCH-2: ECE C/S- 4th&5th September 2019	
04.09.2019 (A.N)	Theory
04.09.2019 (F.N)	Practical
05.09.2019 (A.N)	Practical
VENUE	e-Class room & EDC-2 Lab

The workshop started with an inaugural function at 9.15 A.M

Inaugural Function   **Time: 9.15am to 9.30 am**

As a part of inaugural function, Student Coordinator invited head of the department of ECE, Dr. T. Venkateswara rao, and workshop coordinators to the dais.
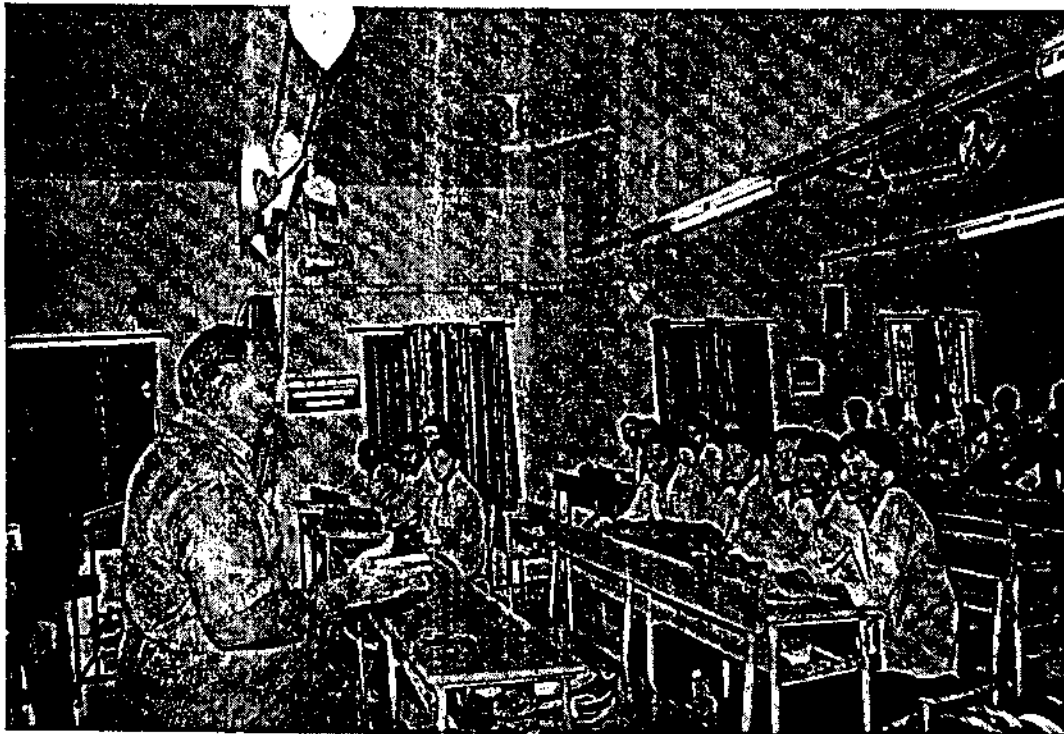
Dr. T.Venkateswararao sir, HOD, department of ECE addresses the students who are attended for the program and given speech on program how it is useful for the students.

Mr. A.M.Vamsee Krishna, giving introduction to Microcontroller and explains the Arduino development board and programming on Arduino IDE

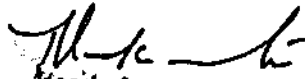The following are some of the screenshots during work shop

Student coordinator V. Triveni explains the project to students

The Coordinator of workshop Mr. A. M.Vamsee Krishna, interacting with the students to get clarified students douts regarding Arduino project. Students involved completely in learning for the two days.

CONCLUSION

The workshop wassuccess. Each member participated and seemed to enjoy themselves. We met our stated learning objectives. The participants varied from very little familiarity with electronics and programming to near expert. Even with the disparity everyone could complete the most of the task and everyone needed help at some point. The participants were expected to try on their own first and initially attempt to troubleshoot problems. This caused a little frustration in a couple people, but overall it seemed to go well. We had one helper to six students and this level of interaction was really necessary to stay on time. The workshop lasted six hours per day and it is conducted for twodays and it was tight, but we finished on time.

Head of the Department
Electronics & Communication Engg.
Sir C.R.R.College of Engineering
Eluru - 534 007

ADVANCED SENSOR INTERFACING USING ARDUINO

Title of the Event: ADVANCED SENSOR INTERFACING USING ARDUINO

Venue: MPMC Lab, Department of ECE, Sir C R Reddy College of Engineering, Eluru.

Date of Event: 6ᵗʰ January 2021 to 9ᵗʰ January 2021.

Resource Person: Mr.A.M.Vamsi Krishna, Asistant Professor, Dept.of ECE, Sir C R Reddy college of engineering Eluru

Target Audience: 2/4 ECE.

No. of Participants: 60 Members.

Brief Description:

Every year in our college there is a tradition that senior student will do the knowledge transfer to the junior students on Arduino. As per this tradition in our college and on the behalf of IEEE Student Branch we have organized the workshop named 'Advanced Sensor Interfacing using Arduino' exclusively to the 2ⁿᵈ year student of ECE. The knowledge transfer has be done by the 3ʳᵈ year and 4ᵗʰ year Students of ECE with the support of faculty.

Event Photos:
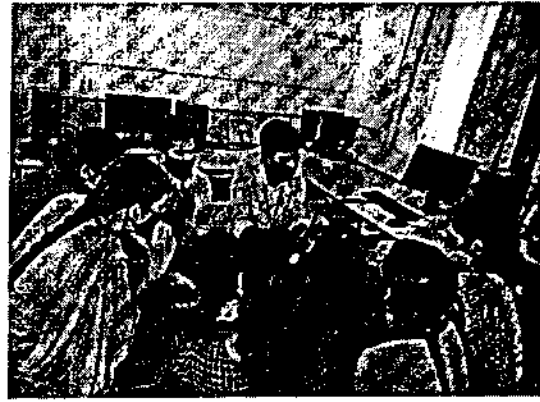
Volunteers:

Name	Roll No.
P. Dakshayani	17B81A04C4
T. Srikanth	17B81A04E3
T. Lilly Joy	17B81A04F2
R. BhuvanaChandana	18B81A0408
Ch. Pardha Vamsi	18B81A0419
D. Madhan Kumar	18B81A0431
G. K. V. Kavya Sri	18B81A0438
K. Lohika	18B81A0452
P. Balasri	18B81A04C1
R. D. N. Satish	18B81A04D1

R. Meghana	18B81A04D7
S. LeelaChinmayi	18B81A04E4
V. AmulyaPrasanna	18B81A04F4
A. Vamsi Krishna	18B85A0401
A. Vyshanavi	19B85A0401
G. Kiran Kumar	19B85A0411

Participants:

Section – A:

Name	Roll No.
K. Venkata Gopi	19B81A0407
Angirekula Venkata Sowjanya	19B81A0408
AnkalaNikhitha	19B81A0409
AretiHemanth Kumar	19B81A0411
A. Priyanka	19B81A0412
B. Balaji	19B81A0416
BalusuSreeKeerthi	19B81A0417
BandiBhargab	19B81A0418
Basava Nithin	19B81A0419
Battula Sai Pavan	19B81A0420
B. Sujatha	19B81A0421
BillaVeera Venkata Siva Bhargav	19B81A0423
Chappa Vinay Kumar	19B81A0426
Chimmi Vamsi	19B81A0432
Chintakrinda Krishna Chaitanya	19B81A0435
Chintamaneni Kavya Konda Lakshmi	19B81A0436
DammuGurukumar	19B81A0439
D. Harshitha	19B81A0440
DivyaManjariGarapati	19B81A0444
DokuparthiJahnavi	19B81A0445
DuggiralaBhavanaPrathyusha	19B81A0447
Duggireddy Venkata Harshitha	19B81A0448
Dutta Bhavya Sri	19B81A0449
Gabbita Srivaibhavi	19B81A0451
Gandham Naga Jyothi	19B81A0452
G. Bhargavi	19B81A0456
KareddyPujitha	19B81A0477
Kollapureddy Naga Sainadh	19B81A0487
KothuriAnkitha	19B81A0493
Kummitha Brahma Reddy	19B81A0496
Arangi Anil	20B85A0401
Buddha Nanda Kishore Sai	20B85A0402
ChintakayalaSreeja	20B85A0403
Chundru C V M Akhil	20B85A0404
Duvva Durga Madhavi	20B85A0405
Kanukolu Lakshmi	20B85A0406

Section – B:

Name	Roll No.
MaddiYojitha	19B81A0499
M. Maheshbabu	19B81A04A3
Mankana Chaitanya Deepika	19B81A04A4
Malla Sindhu	19B81A04A5
Mallipudi Manojna	19B81A04A6
MamidiJagadeesh Venkata Naga Sai	19B81A04A7
MandapatiSaranya	19B81A04A9
M Manoj	19B81A04B0
Mavuri Naga Durga Bhavani	19B81A04B1
MulakalaVasanthiMahalakshmi	19B81A04B4
M. Manoj Kumar	19B81A04B6
Nandigam V Phani Venkata Sai SantaDevi	19B81A04C1
PadamataArchana	19B81A04C6
Pamarthi Tanuja	19B81A04C7
Poranki Sri Keerthana	19B81A04E2
PuniSahithiSree	19B81A04E6
Rompicharla Venkata Sai Muralinadh	19B81A04E9
RongalaArun	19B81A04F0
Sk. MoinMadhan	19B81A04F5
Shaik Varun Akram	19B81A04F6
S. Mounika	19B81A04F7
TejaswiniMuthineni	19B81A04G6
Thokala Rajesh	19B81A04G9
T. Raja Sekhar	19B81A04H0
T. Komali	19B81A04H1
RhummuriManikanta	19B81A04H2
TumatiRamya	19B81A04H4
Undavalli Dhanya Sri	19B81A04H7
Vallapuneni Kavya	19B81A04H9
VeeramreddyMadhuri	19B81A04I1
YenugantiSupriya	19B81A04I7
Yerroju Krishna Priya	19B81A04J0
R. Siva ramakrishna	20B85A0416
Sk. Ibrahim	20B85A0417
V. Mariyabau	20B85A0418

Head of the Department
Electronics & Communication Engg.
Sir C.R.R.College of Engineerinc
Eluru - 534 007

4

ADVANCED SENSOR INTERFACING USING ARDUINO

Title of the Event: ADVANCED SENSOR INTERFACING USING ARDUINO, NodeMCU

Venue: E-Class room, Department of ECE, Sir C R Reddy College of Engineering, Eluru.

Date of Event: 10th & 11th December 2021.

No. of Participants: All 2nd year students.

Resource Person: Mr.A.M.Vamsi Krishna, Asistant Professor, Dept.of ECE, Sir C R Reddy college of engineering Eluru.

Brief Description:

Every year in our college there is a tradition that senior student will do the knowledge transfer to the junior students on Arduino. As per this tradition in our college and on the behalf of IEEE Student Branch we have organized the workshop named 'Advanced Sensors and Applications using Arduino' exclusively to the 2nd year student of ECE. The knowledge transfer has be done by the 3rd year and 4th year Students of ECE with the support of faculty. The event is coordinated very well & All the 2nd year students have taken active participation, shown their interest in learning about Arduino and have gained a good experience.

Event Photos:
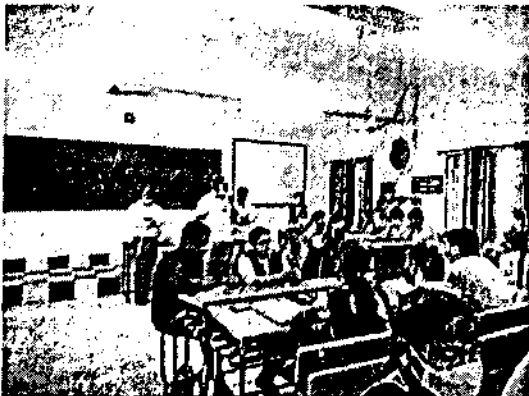
Volunteers:

NAME	Reg. Number
Dokuparthi jahnavi	19B81A0445
Gabbita Sri Vaibhavi	19B81A0451
Vandana kantamneni	19B81A0476
Katikala Tulasi Lavanya	19B81A0484
KNaga sainadh	19B81A0487
M.yojitha	19B81A0499
M Jagadeesh Venkata Naga Sai	19B81A04A7
Puni.sahithisree	19B81A04E6
R Venkata Sai Muralinadh	19B81A04E9
Rongala Arun	19B81A04F0
Shaik Moin Madhar	19B81A04F5
Shaik vaseem akram	19B81A04F6
Tejaswini.Muthineni	19B81A04G6
U.Dhanya Sri	19B81A04H7
Yadavalli Arun venkat	19B81A04I3
Paranthapa yella	19B81A04I6
Budda Nanda Kishore Sai	20B85A0402

Head of the Department
Electronics & Communication Engg.
Sir C.R.R.College of Engineering
Eluru - 534 007

MEMORANDUM of UNDERSTANDING

Sri C R Reddy

B

WHOMSOEVER CONCERN

Introductory Partnership Objective

APPLY VOLT is ...

Benefits:

The Parties contemplate that they will derive [illegible] collaboration as follows:

Benefits to C R Reddy College of Engineering, Eluru, A.P.

Opportunity to engage with the mainstream of faculty [illegible] research needs of the industry and accordingly upgrade the syllabus

Opportunity to upgrade the infrastructure by using VLSI [illegible] solutions and other information technology related tools

Opportunity to collaborate with the industry for research programs, projects and student internships in the area of VLSI

Opportunity to procure various [illegible] tools, techniques and advanced tools pertaining to VLSI, also provided through [illegible] organization and teaching base and save more [illegible] expectations leading to greater availability of state [illegible] development programs

Faculty development programs for teaching staff, advanced tools for students

Strengthening of the brand equity of the institution

Students will be given an opportunity to learn the latest technology, irrespective of branch

Helping in organizing guest lectures, workshops, seminars

Improved marketability of students, VLSI [illegible]

Benefits to APPLYVOLT

Benefits [illegible] work in the field offered by [illegible] software tools

[illegible]

[illegible]
Vijayawada [illegible]
[illegible] support [illegible]

2. Makes available a pool of trained students to the partners of APPLY VOLT or customers who use similar software and tools.

3. Helps APPLY VOLT goal of proliferating VLSI / DSP / PCB design and Embedded Technologies.

4. **Activities:**

In order to implement the objectives of the MOU, the parties agreed on the following activities to be undertaken by them.

The duration of such agreement can be extended or mutually agreed. Any change in MOU or on mutual agreement with be discussed. If specifically to be resolved by respective management.

APPLY VOLT may set up branch office or center to provide training on VLSI / DSP / PCB and Embedded Systems.

APPLY VOLT will help C R Reddy College to train B.Tech/M.Tech students on weekends. It will benefit on skills of students and facilitate project completion.

APPLY VOLT will impart faculty development programs on VLSI / DSP / PCB & Embedded Technologies and methodologies and other areas of interest to faculties/staff of C R Reddy College.

APPLY VOLT will offer advanced training courses to students on emerging technologies and design through real/practical so that they are acquainted with the skills required to be ready. It shall be provided by APPLY VOLT at discounted rates.

APPLY VOLT will conduct paid training programs to C R students.

SF No. 5-3, Sri Nilayam, 2nd floor, Vijayawada, Andhra Pradesh
Email support@applyvolt.com

APPLY VOLT will offer ... curriculum upgrade ...

APPLY VOLT may consider ... provide assistance in getting ... customers.

The Parties shall ... conferences for increasing ... colleges on regular basis.

CRR Faculties trained by APPLY VOLT can ... programs in "Nodal Centers" and "Completion Centers" ... be issued jointly by CRR and APPLY VOLT

A co-ordination committee ... engineer nominated by APPLY VOLT ... give effect to the objectives of this MoU

APPLY VOLT in charge to CRR ... timing for students ... should respect individual ...

Any damage to the infrastructure ... will be borne by the APPLY VOLT

Properties belonging to APPLY VOLT ... organization when so ever ... the company during the MoU ...

Process:

Every time an activity is initiated under this MoU ... rendering of services or supply of ... another, the Parties shall depending ... consideration received liabilities assumed ... binding purchase order APPLY VOLT ... definitive contract

#40-6/3-3, Sri Nilayam, 2nd ...
Vijayawada, Andhra Pradesh ...
Email : support@applyvolt.com

General:

During their interaction under this MOU ... parties ... Confidential information of non-public nature which ... ("Confidential Information"). Use ... disclosure ... shall be regulated by a non-disclosure agreement ... the absence of such an NDA, the Parties ... Confidential Information shall keep confidential ... Confidential Information. Confidential ... shall be returned or destroyed upon written request ... party disclosing Confidential Information. All Confidential Information shall remain the exclusive property of the disclosing party or its licensors.

All rights, licenses and permissions ... VOLT shall be regulated by the terms of such supply, licensing and applicable product license agreements.

Notwithstanding anything to the contrary ... Volt's liability shall be limited to direct damages not exceeding the value of the specific support or services rendered to C R Reddy College of Engineering and shall not extend to any indirect damages of any nature whatsoever, including but not limited to, special, incidental, consequential ...

This MOU may be terminated by either party ... prior written notice of 60days.

Each Party shall be an independent contractor ... and shall ... an agent, joint venture, or partner of the other.

Disputes under this MOU shall be resolved by discussion between ... management functionaries as the Parties ... they fail to resolve a dispute amicably ... the Parties shall refer the dispute to ... a place mutually agreed upon by both parties.

The MoU will be valid for a period of 2 (two) years from the date of signing the MoU and can be renewed with mutual consent.

SIGNATURES:

	Sir C R Reddy College of Engineering
Signature	*Principal* SIR C.R.R. COLLEGE OF ENGINEERING ELURU - 534 006
Name	Dr. G. Sambasiva Rao
Title	Principal
Date	18 December 2018

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

One Week Workshop

Academic Year	:	2019-2020
Topic	:	Advanced VLSI Training on Xilinx FPGA
Using		Vivado Tools
Date & Time	:	16th September, 2019 to 21st September, 2019
Venue	:	Computer Center
Benefited Students	:	3/4 ECE students
No. of participants Attended	:	50
Resource Person	:	Mr.K.Pradeep,
		Sr. Application Engineer,
		Apply Volt,
		Vijayawada
Organized by		Department of ECE
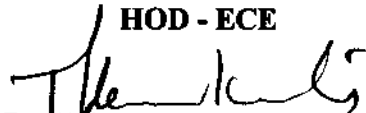
Workshop Coordinators
1.Ch.Jaya Prakash
2. K.Radha

HOD - ECE

Dr. T. Venkateswara rao

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

Title of the Event	: ADVANCED VLSI TRAINING ON XILINX FPGA
USING	**VIVADO TOOLS**
Dates & Time	: 16th to 21st Sep 2019
	9.00 AM to 12.30 PM & 1.30 PM to 5.00 PM
Venue	: Computer centre
Benefited Students	: 3/4 ECE Students

CLASS	Regd. No.	Total
3/4 B.Tech. Students	17B81A0483,88,B4,6,90,95,E4,G0,G7,G9,7,32,41,44,47,65,78, 99,A4,D9,E7,F3,G3,42,45,81,85,87,98,A1,A2,B5,B7,C2,C4,C7, C8,D0,D3,E1,F9,H1,H4,H6 18B85A0401,5,16,17,7,18,19	50
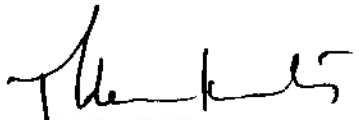
No. of participants
Attended   : 50

Resource Persons   : K.Pradeep, Sr. Application Engineer

                APPLY VOLT, Vijayawada

Organized by   : Ch.Jaya Prakash, Assistant Professor

                K.Radha, Assistant Professor

Workshop Coordinators   HOD - ECE

Ch. Jaya Prakash   Dr. T. Venkateswara rao

K.Radha

COPY TO:

1. Dept office   :

2. Work shop's Incharge :

Workshop Report

Summary Report:

The main objective of one week workshop is to get hands on training to the students to meet the requirements of the industry. It is helpful to the students both conceptually and practically to be aware about:

- Programming Concepts using Verilog Hardware Description Language.
- Introduction to VIVADO TOOLS in Xilinx FPGA.
- Introduction to PMODS and its applications

The workshop was inaugurated by **Dr.T.Venkateswara rao, HOD of ECE Department, Sir C.R Reddy College of Engineering**.

PHOTO GALLERY

Workshop co-ordinator Sri Ch.Jaya Prakash addressing the gathering

Dr.T.Venkateswara Rao HOD,ECE addressing the gathering
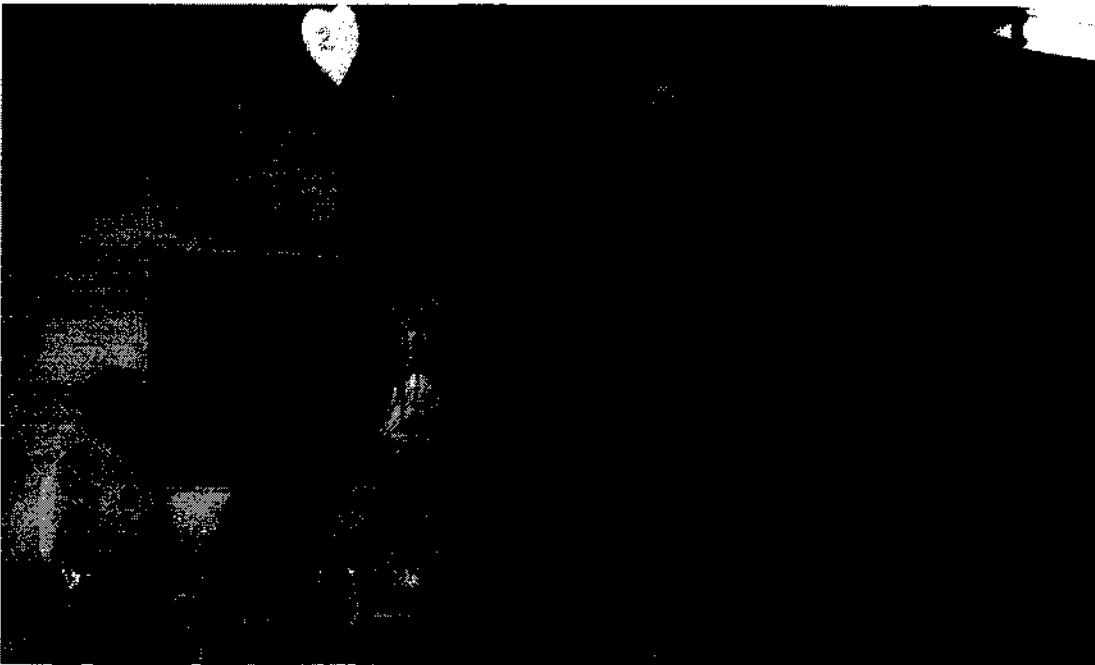
Sri K.Pradeep, Resource Person addressing the gathering
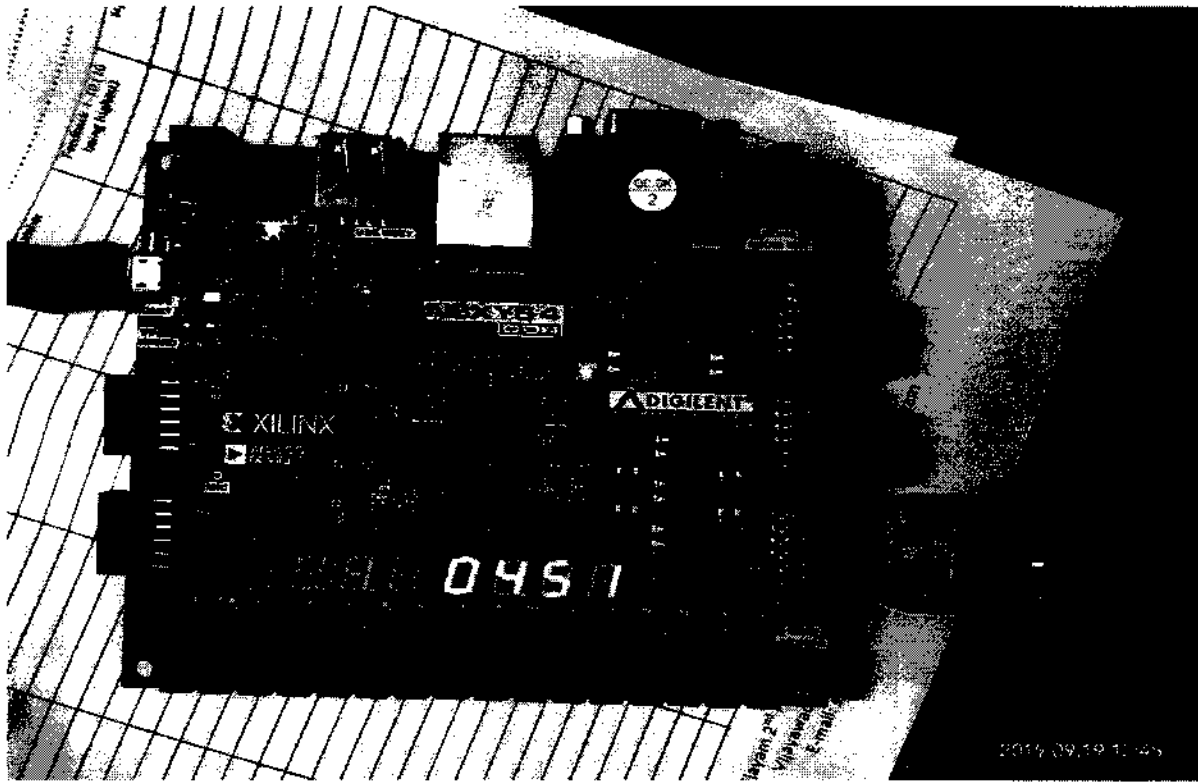
Interfacing of Joystic module with Nexys 4DDR FPGA kit

Mr.K.Pradeep demonstrating the Interfacing of Joystic module with Nexys 4DDR FPGA kit
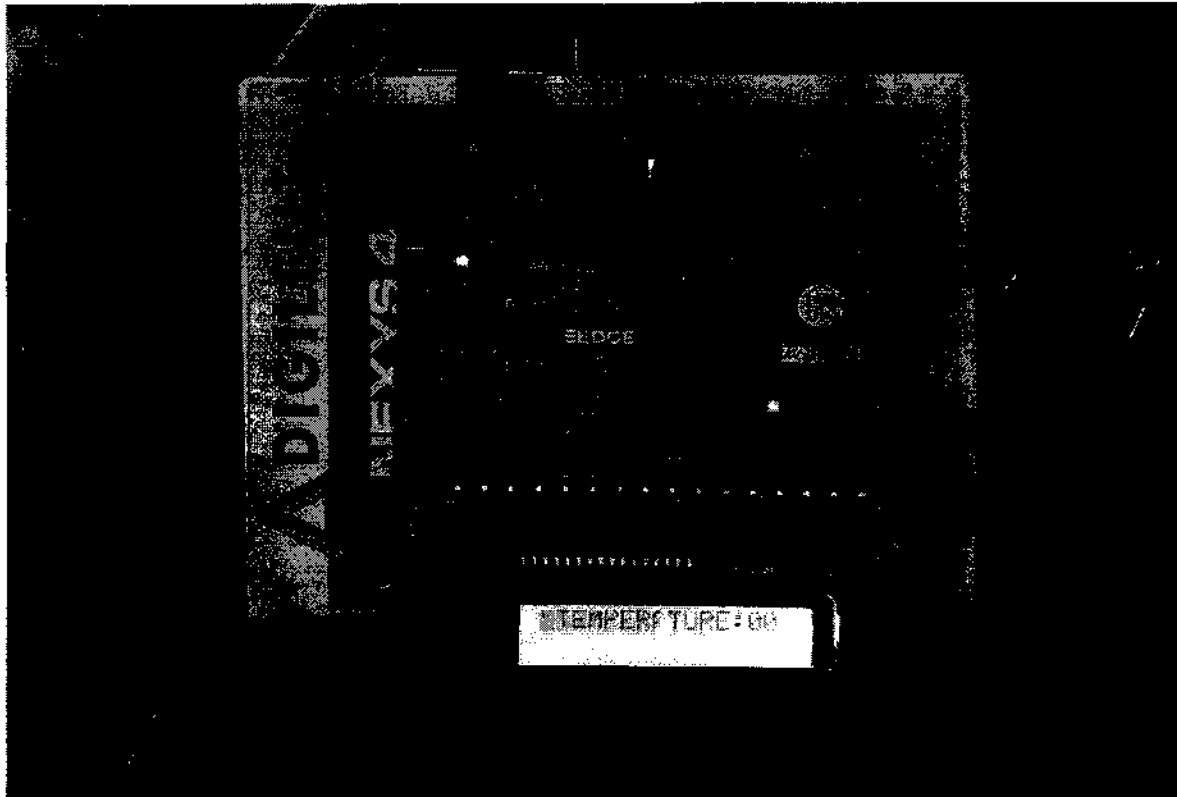
Interfacing of temperature sensor module with Artix 7 FPGA kit

Mr.K.Pradeep demonstrating the FPGA implementation of sequence detector module to the students

Mr.K.Pradeep demonstrating the process of interfacing the Wi-Fi module with Zedboard to the students

Dr.P.H.S.Tejomurthy, Professor of ECE addressed the gathering in the final session

Dr.T.Venkateswara Rao, HOD of ECE explained about the need of VLSI in Robotics. He said that students should become successful learners in a rapidly changing global environment through hands-on experience. Participation in this workshop will teach students to plan and manage projects. He also addressed the faculty that they should become lifelong learners to cope up with updating technology and learn recent advancements in VLSI by this workshop.

Dr.P.H.S.Tejomurthy, Professor of ECE had given a brief idea about Hardware Description Language. He explained how HDL can be used to describe the structure and behavior of electronic circuits and most commonly digital logic circuits. He differentiated clearly about VHDL and Verilog HDL with lot of examples.

The resource person Mr.K.Pradeep said few words regarding the evolution of technology and how VLSI technology has succeeded in making drastic change in our daily life . He also made aware of how VLSI technology reducing the size of Electronic circuits faster and more reliable. He started with simple Verilog HDL programs and their implementation in FPGA by dumping the programmes. He explained how to verify sequence detector on FPGA kit. He also explained about interfacing of various modules like temperature sensor, Wi-Fi module, Joystic module , Organic LED module with Artix 7 and Zed boards.

Every member participated actively and made the workshop successful. The participants were expected to try on their own first and initially attempt to troubleshoot problems. Faculty are participated actively and got hands on focus on the tools, they became familiar about the FPGA Implementation and interfacing

The workshop lasted six hours per day and it is conducted for six days to give sufficient time for the students to learn by dividing the students into two slots. The workshop was completed on time.

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU - 7
DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Dt: 10-08-2019

To,
The principal,
Sir C R Reddy College of Engineering,
Eluru.

(THROUGH PROPER CHANNEL)

Respected sir,

Sub: Workshop on "Advanced VLSI Training on Xilinx FPGA's using Vivado Tools" for 3/4 ECE - Reg

It is proposed to arrange a one week workshop on "Advanced VLSI Training on Xilinx FPGA's using Vivado Tools" for the benefit of III/IV ECE students and faculty. The proposed dates are 3rd or 4th week of September 2019, tentatively. This workshop will be useful to get hands-on experience with FPGA Kits with latest version Xilinx Vivado tools, and students will update with recent advancements in VLSI domain.

The Workshop will be conducted by the organization "Apply Volt" from Vijayawada. Hence, I request you to permit us to organize the event, and also requesting you sanction the amount of Rs. 42,000/- towards smooth conduction of this six days Workshop.

S. No	Item	Description	Charges	Total
1	Mr. Pradeep & Mr.Krishna Kumar (Sr. Application Engineer)	Technical person from APPLYVOLT	@8000per day 4 days * 8000 + 2 days free = 32,000	Rs.32,000/-
		To provide breakfast, lunch & snacks Travelling to and fro from Vijayawada	6 days * 1000 = 6000	Rs.6,000/-
	Others	Certificates & banner for students (100)	4000	Rs.4000/-
		Grand total: forty two thousand only		42,000/-

HOD-ECE

(Dr. T. Venkateswararao)
Head of the Department
Electronics & Communication Engg.
Sir C R College of Engineering
Eluru - 534 007

SIR CR REDDY COLLEGE OF ENGINEERING, ELURU
DEPARTMENT OF ELECTRONICS AND COMMUNICATIN ENGINEERING

Dt:08.08.2019

Note Submitted to HOD:

It is bring to your kind notice we are planning to conduct workshop on Front End VLSI Tools using using Xilinx Vivado.

Proposed workshop Title:

Advanced VLSI Training on Xilinx FPGA's using Vivado Tools

About workshop:

➢ To build confidence among the students for their career opportunities in the field of VLSI.It is proposed to conduct Workshop for 3/4 ECE students and this will help them to do Projects in area of VLSI.

➢ Total no.of students expecting to participate in this Workshop is around 50 no.

➢ Total no.of faculty who are interested in participating in this Workshop is around 10 no

➢ Expected amount of expenditure for this program Rs 12,000/-

➢ Selection of students:

   ✓ All Students will write online Google form test on VHDL, Digital logic design
   ✓ Max of 100 Students short listed based on their scored in screening test.
   ✓ Each student will charged Rs 500/.If management provides any concession the same amount will refunded back to every student

➢ Workshop Duration: 6 days

   ✓ Day 1 & 2 fundamentals of the subject
   ✓ Day 3 & 4 Batch 1 (50 students) hands on session practice
   ✓ Day 5 & 6 Batch 2 (50 students) hands on session practice

BILL SETLEMENT

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU - 7
DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

Dt: 23.10.2019

No: SIRCRRCOE/ECE/ workshop/2019-20/147

To
The Principal
Sir C R Reddy College of Engineering,
Eluru.

Respected sir,

Sub: Bill settlement for one week Workshop on "Advanced VLSI Training on Xilinx FPGA's using Vivado Tools" held during 16th to 21st Sept 2019.

This is to bring your kind notice that we got permission for conducting one week Workshop on "Advanced VLSI Training on Xilinx FPGA's using Vivado Tools" held during 16th to 21st Sept 2019. In this regard we requested management an amount of Rs: 42,000/- for conducting workshop. In this amount Rs.21,000/- was sanctioned by the management as 50% contribution, and remaining amount Rs.21,000/-was collected from students. We are submitting bills for an amount of Rs: 40,552/-. Expenditure details are given below.

Sanctioned Amount towards Workshop from management	:	Rs. 21,000.00/-
Amount collected from students @420 * 50 students	:	Rs. 21,000.00/-
Total amount for conducting Workshop	:	Rs: 42,000.00/-

S.no	Particulars		Bill. No.	Amount Rs.
1	Expenditure towards 2 Banners		122	852.00
2	Expenditure towards breakfast of resource persons		30	360.00
3	Expenditure towards lunch of resource persons from CRR GIRLS HOSTEL dated 16/09/2019		challan	600.00
4	Expenditure towards Dinner of resource persons	16/09/19	10	90.00
		17/09/19	67	590.00
		18/09/19	808	400.00
		19/09/19	54	90.00
		20/09/19	38	80.00
5	Expenditure towards snacks of resource persons & student participants	17/09/19	53	1000.00
		19/09/19	54	1000.00
		21/09/19	55	1000.00
6	Remuneration for Resource	NEFT payment from college account 01/10/2019	NEFT	21,000.00
		Voucher 22/10/2019	voucher	11,000.00
7	Certificates designing & printing for students 21/09/2019		5	3,500.00
8	Scripting Pads & Color Printing		74	980.00
			Grand total expenditure	40,552.00
	Amount to be returned (42,000-40,552)			Rs: 1,448.00

Thanking you sir.

Approved for bill
Settlement & Coordinator

Head of the Department
Electronics & Communication Engg.
Sir C.R.R College of Engineering
Eluru - 534 007

Prakash B.
K Ridhar

Yours sincerely,

APPLY VOLT

Date: 22nd October, 2019

We have received an amount of Rs.32,000.00/- (thirty two thousand only) towards conduction of One week workshop on "Advanced VLSI Training on Xilinx FPGAs using Vivado Tools" in Electronics and Communication Engineering Department during 16th September, 2019 to 21st September, 2019 at Sir C.R.Reddy College of Engineering, Eluru.

(Mr.Ch.Krishna Kumar)

Sr.Application Engineer

APPLY VOLT Labs

Vijayawada.

NEFT PAYMENT Rs 21,000/- & VOUCHER PAYMENT Rs 11,000/- TO APPLY VOLT

MEMORANDUM OF UNDERSTANDING

BETWEEN

{⚘} **codegnan**
IT SOLUTIONS

CODEGNAN IT SOLUTIONS PVT LTD
, No 40-5-19/16, Prasad **Naidu Complex, P.B.Siddhartha**

Basement, Moghalrajpuram, **Vijayawada, Andhra Pradesh 520010**
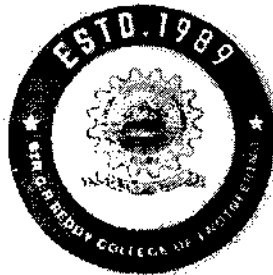
AND

Sir C. R. Reddy College of Engineering
ELURU-534007

Srl. Uppugundla Sairam
Founder and C.E.O,
CODEGNAN IT SOLUTIONS PVT LTD.,
Vijayawada, Andhra Pradesh 52001
www.codegnan.com

Dr. G. Samba Siva Rao
Principal
Sir C. R. Reddy College of Engineering.
ELURU - 534007
www.sircrreddycollege.ac.in

MEMORANDUM OF UNDERSTANDING BETWEEN

...CTIONS PVT LTD

{🖋} codegnan
IT SOLUTIONS

SIR C R REDDY COLLEGE OF ENGINEERING

This Agreement is entered into and executed on this day 12ᵗʰ **December 2018, at Vijayawada.**

M/s. Codegnan IT Solutions Pvt Ltd Office No. 40-5-19/16, Prasad Naidu Complex, P.B.Siddhartha Bus Stop, Moghalrajpuram, Vijayawada-520010, Andhra Pradesh, India as FIRST-PARTY hereinafter referred to as **Codegnan**

AND

SIR C R REDDY COLLEGE OF ENGINEERING, Near Vathuru Railway Gate, Eluru, Andhra Pradesh 534007

Codegnan and Institution are individually referred to as "party" and together as "parties"

This MOU has been entered into on 12ᵗʰ **December, 2018** with the view of promoting cooperation in academic education, research, and student internships between **Sir C R Reddy College of Engineering** and the **Codegnan IT Solutions Pvt. Ltd** as the basis for their further cooperation in academics and placements under mutual interest and agreed terms.

Agreement

This Agreement is entered into and executed on this day 12th December, 2018 at Vijayawada.

By and Between

M/s. Codegnan IT Solutions Pvt Ltd (hereinafter referred to as Codegnan)
Sri. Uppugandla Sairam, Founder & CEO having its office Moghalrajpuram, Vijayawada, Andhra Pradesh here-in-after referred as Codegnan, the party of the **FIRST PARTY.**

AND

SIR C R REDDY COLLEGE OF ENGINEERING, having its registered office at Near Vatluru Railway Gate, Eluru, Andhra Pradesh 534007, India here-in-after referred as **Institution,** an Private Engineering College in the Jurisdiction of JNTUK, represented by Authorised Signatory, herein after called as the **SECOND PARTY.**

OBJECTIVES OF THE MOU:

- To impart domain-specific training to the students of Sir C R Reddy College of Engineering through Expert Sessions, Seminars, Workshops, Faculty Development Sessions, Internships, Hackathons, short-term and long term projects on campus, and off-campus (in the industry) at regular intervals to make them employable and corporate fit.
- Codegnan will provide industrial training for faculty members of Institution
- Codegnan will from time to time participate/ render guidance in the activities of technical orientation conducted by the Institute by way of Guest Lectures, Technical Seminars, Workshops, FDP's and other events for the benefit of the faculty and students.
- Codegnan IT Solutions. Will offer Research & Consultancy Services. Depute their executives to the college for campus interviews, depending upon the necessity.
- Codegnan will offer their services for curriculum design to the Institute.
- Permit students of the Institute for site visits for a day to any of their project sites.

Specific activities and programs implemented under the authority of this MOU shall be subject to the availability of funds, and the approval of each party authorised representatives

TERMS & CONDITIONS:

a) The cost of providing infrastructure at the Institution should be borne by Department of Electronics and Communication engineering at Sir C R Reddy College of Engineering

b) To organise activities at Institution, travel, and other expenses of Codegnan staff should be borne by Department of Electronics and Communication engineering at Sir C R Reddy College of Engineering on mutually agreed terms.

c) The faculty members and students of Department of Electronics and Communication engineering at Sir C R Reddy College of Engineering can use the e-resources of Codegnan for a short-time according to the sessions conducted

d) This MOU may be amended, renewed, and terminated by mutual written agreement of the Codegnan and Department of Electronics and Communication engineering at Sir C R Reddy College of Engineering at any time with prior intimation

e) Depending on both parties requirement, to hire the talent from the Institutes regularly through on-campus and off-campus recruitment drives

f) Either Codegnan or Department of Electronics and Communication engineering at Sir C R Reddy College of Engineering shall have the right to terminate this MOU upon 60 days prior written notice to the other party.

DURATION OF MOU:

This MOU, unless extended by mutual written consent of both parties, shall expire in Two (02) years after the effective date specified in the opening paragraph. However, on review, the MOU shall be extended for another TWO years by mutual consent.

COORDINATORS:

Both parties will designate persons who will have responsibility for the coordination and implementation of this agreement.

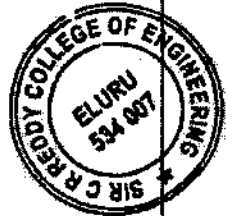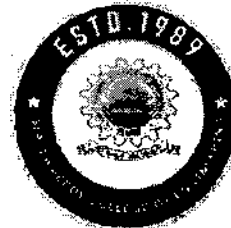| For CODEGNAN IT SOLUTIONS PVT LTD. FIRST-PARTY	For SIR C R REDDY COLLEGE OF ENGINEERING , ELURU
U · Sailam	-Principal Sir C R Reddy College of Engineering ELURU - 534 007
SRI UPPUGUNDLA SAIRAM Founder and C.E.O. CODEGNAN IT SOLUTIONS PVT LTD. Vijayawada, Andhra Pradesh 520010 www.codegnan.com	Dr.G.Samba Siva Rao Principal ,Sir C. R. Reddy College of Engineering ELURU-534007 www.sircrreddycollege.ac.in
{🐦} codegnan	

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU
DEPT. OF ELECTRONICS AND COMMUNICATION ENGINEERING

Ref: SIRCRRCOE/ECE/ Workshop/2019-20/31   Dt: 12-07-2019

To

The Principal,

Sir.C.R.Reddy College of Engineering,

Eluru.

// Through proper channel //

Respected sir,

Sub : Workshop for IV/IV & III/IV ECE – expenses-reg.

It is proposed to conduct a workshop on "**Data Analytics with Python**" for the benefit of III/IV, IV/IV ECE in the fourth week of July 2019 in association with **Codegnan IT Solutions**. Hence, we request you to permit us to arrange the same and also kindly sanction the amount of **Rs. 26,100/-** towards workshop expenditure. The bills will be submitted after the event.

Thanking you sir,

Yours faithfully,

Co-ordinators

1. V.Vamsi Sudheer
   12/7/19.

2. K. prithvi Ram J
   12/7/1:

సర్. సి.ఆర్. రెడ్డి కాలేజ్ అఫ్ ఇంజనీరింగ్, ఏలూరు

To,

శేది.: 17-07-2019

ది సెక్రటరీ,

సర్. సి. ఆర్. రెడ్డి విద్యా సంస్థలు,

ఏలూరు.

అయ్యా,

విషయము:— సర్. సి. ఆర్. రెడ్డి రెడ్డి కాలేజ్ అఫ్ ఇంజనీరింగ్– IV/IV & III/IV ECE విద్యార్థులకు వర్క్ షాప్ నిర్వహణ కొరకు అభ్యర్థన.

***

   4 వ సంవత్సరము మరియు 3వ సంవత్సరము చదువుచున్న ECE విద్యార్థుల ప్రయోజనం కొరకు "Data Analytics with Python" అనే అంశం పై పై జులై 2019 నాల్గవ వారంలో వర్క్ షాప్ నిర్వహించ తలపెట్టాము. ఈ వర్క్ షాప్ ను "Codegnan IT Solutions" వారి సాహచర్యం తో నిర్వహించు చున్నాము.

   కావున ఈ వర్క్ షాప్ ను నిర్వహించడానికి రూ. 26,100/– ల మొత్తంను రెవిన్యూ బడ్జెట్ లో స్టూడెంట్స్ స్కిల్ డెవలప్మెంట్ హెడ్ నుండి మంజూరు చేసి, వర్క్ షాప్ నిర్వహణకు అనుమతి మంజూరు చేయవలసినదిగా కోరుచున్నాము.

బడ్జెట్ వివరములు:

వివరములు	మొత్తము రూ.
బడ్జెట్లో స్టూడెంట్స్ స్కిల్ డెవలప్మెంట్ కు కేటాయించబడిన మొత్తం	17,50,000
ఇప్పటి వరకు అయిన ఖర్చు	6,42,090
బడ్జెట్ లో మిగిలిన మొత్తం	11,07,910
వర్క్ షాప్ నిర్వహణకు కావలసిన మొత్తం	26,100
బడ్జెట్ లో మిగిలి ఉండే మొత్తం	10,81,810

permitted & sanctioned

18/7/19

SECRETARY
Sir CRR Educational Institutions
ELURU

)May be permitted and sanctioned

ADVISOR 18/7/19
Sir CRR Educational Institutions
ELURU - 534 007

Principal
SIR C.R.R. COLLEGE OF ENGINEERII
ELURU - 534 007.

17/07/19
Administrative Officer
Sir C.R.Reddy College of Engineering
ELURU

SIR CR REDDY COLLEGE OF ENGINEERING :: ELURU
PROPOSED REVENUE BUDGET FOR THE YEAR 2019-20

PARTICULARS INCOMES	Allotted Budget 2018-2019	Provisional 2018-2019	Proposed Income BUDGET 2019-2020
Bus Rent			
Hostel Rent (Boys & Ladies)	1610000	2909500	350000
Interest	6200000	5128000	667000
Misc Fee (Genral & scpl A/c)	300000	612795	60000
Misc Receipts	19564600	18215947	19101600
Tution Fee	2500000	2382757	3000000
E- Resources Fee	184585400	181636193	190616000
TOTAL	0	0	5400000
	214760000	210885192	228887600

PARTICULARS EXPENDITURE	ALLOTED BUDGET 2018-2019	Provisional 2018-2019	PROPOSED BUDGET 2019-2020
Advertisement /Publicity			
Affiliation fee & Other Fee	1000000	789415	1000000
AICTE Processing Fee	10000000	8096920	9000000
Alumni Expenses	350000	300100	450000
AMC	200000	72320	200000
Campus Interviews & Training Placements	300000	174780	400000
Electricity Charges	1000000	744014	1000000
External Examiner Expenses	4000000	3995064	5000000
Function Expenses & Cultural Activities	100000	104425	400000
Games & Sports	1000000	668707	1000000
Industrial Tour Expenses	1800000	1681944	1200000
Inspection Fee For research center & others	200000	0	200000
Insurance	700000	0	200000
Internet / Software	400000	337210	500000
Incentives For Publications & Others	3000000	2596218	3000000
Lab Consumables	400000	0	400000
Legal Expenses	600000	442644	600000
Miscellaneous Expenses	300000	110000	200000
Mineral water Plants Maintenance	1500000	1306711	2000000
Postage & Telephone and Messaging	100000	100000	250000
Printing & Stationery	200000	66206	100000
Property Tax	700000	532224	700000
Repairs & Maintanence	700000	608541	800000
Salaries	4000000	3659233	4000000
Security Guard Salaries	145000000	144534171	160000000
Seminar	1500000	1468800	1600000
Subscription & Journals	2450000	536348	1200000
Travelling Expenses	500000	471057	1000000
Vechicle Maintanence (Car, Buses, Bike,Tractor & Genrator)	300000	242920	300000
Research & Development	4500000	4448065	4500000
Membership Fees	1100000	973049	1100000
Dispencary	200000	100300	200000
Personality Development Expenses	50000	27021	100000
Student Skill Development Expenses	500000	359076	500000
Building Repairs & Paints	1750000	1704673	1750000
Computer Hardware Maintanence	1000000	273107	1000000
Guest Lecturers	600000	597022	600000
E- Resoueces Fee	600000	173399	500000
Total Expenditure	0	0	5400000
Excess of Income Over Expenditure	192600000	182295684	212350000
Total	22160000	28589508	16537600
	214760000	210885192	228887600

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

Dt: 24.08.2019

To

The Principal,
Sir C R Reddy college of Engg,
Eluru

Respected Sir,

<u>**Through Proper channel**</u>

Sub: Requisition for allotting library browsing centre Reg/-

   It is to bring your kind notice that a three day workshop on "Data Analytics using PYTHON" is being conducted for IV/IV ECE students on 28/08/2019 to 30/08/2019. In this regard, we request you to kindly allot central library browsing centre for the smooth conduction of the event.

         Thanking you sir.

Yours faithfully,

V·Vamsi Sudheera
(V Vamsi Sudheera) 24/8/19

(KJ Silva Lorraine)
24/8/19

Head of the Department
Electronics & Communication Engg.
Sir C.R.R.College of Engineering
Eluru - 534 007

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

వర్క్‌షాపులో విద్యార్థులనుద్దేశించి మాట్లాడుతున్న
ఐటీ సోల్యూషన్స్ సీఈవో సాయిరామ్

సీఆర్‌ఆర్‌లో
డేటా ఎనలటిక్స్ వర్క్‌షాప్

వట్లూరు (పెదపాడు), ఆగస్టు 28 : వట్లూరులోని నరసే
ఆర్‌రెడ్డి ఇంజనీరింగ్ కళాశాలలో ఈఈఈ విభాగం ఆధ్వర్యంలో
డేటా ఎనలటిక్స్ విత్ ఫైథాన్ అనే అంశంపై మూడు రోజుల
వర్క్‌షాప బుధవారం ప్రారంభమైంది. కార్యక్రమంలో పాల్గొన్న
ఐటీ సోల్యూషన్స్ సీఈవో ఉప్పుగుండ్ల సాయిరామ్ మాట్లాడుతూ
ఫైథాన్ లాంగ్వేజ్‌ను నేర్చుకోవడం ద్వారా ఈఈఈ ఫైనలియర్
విద్యార్థులకు ఉద్యోగావకాశాలు మెరుగవుతాయన్నారు. ప్రధాన
సంస్థలైన గూగుల్ తదితర కంపెనీలు ఉద్యోగ నియామకాలకు
ఫైథాన్ లాంగ్వేజ్‌లో పరిచయం ఉన్న వారికి ప్రాధాన్యం ఇస్తున్నా
యని కళాశాల ప్రిన్సిపాల్ డాక్టరు జి.సాంబశివరావు అన్నారు.
ఈఈఈ హెచ్‌వోడీ తూమాటి వెంకటేశ్వరరావు మాట్లాడుతూ
విద్యార్థుల భవిష్యత్తును దృష్టిలో ఉంచుకుని ఆధునిక అంశాలపై
శిక్షణ కార్యక్రమాలను నిర్వహిస్తున్నామన్నారు. వర్క్‌షాపు కో-ఆర్డి
నేటర్లుగా వంశీ సుధీర, లోరైన్‌లు వ్యవహరించారు. కార్యక్ర
మంలో ఆఖరి సంవత్సరం ఈఈఈ విద్యార్థులు, అధ్యాపకులు
పాల్గొన్నారు.

SIR C R REDDY COLLEGE OF ENGINEERING, ELURU –7

(Affiliated to JNTUK, Kakinada)

A DETAILED REPORT

A THREE DAY WORKSHOP
&
24 HOURS HACKATHON
on

"COMPUTER VISION WITH PYTHON"

Held on 11th -14th September 2019

Convener
Dr. T. Venkateswara rao
Head of the department, ECE.

Coordinators

Ms. K.J.Silva Lorraine
Assistant Professor

Mrs. V.Vamsi Sudheera
Assistant Professor

DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING

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The Department of Electronics & Communication Engineering of Sir C R Reddy College Of Engineering in association with Codegnan IT Solutions organized a three-day workshop and 24 hours hackathon on **"Computer Vision with Python"** on 11th, 12th, 13th & 14th September – 2019.
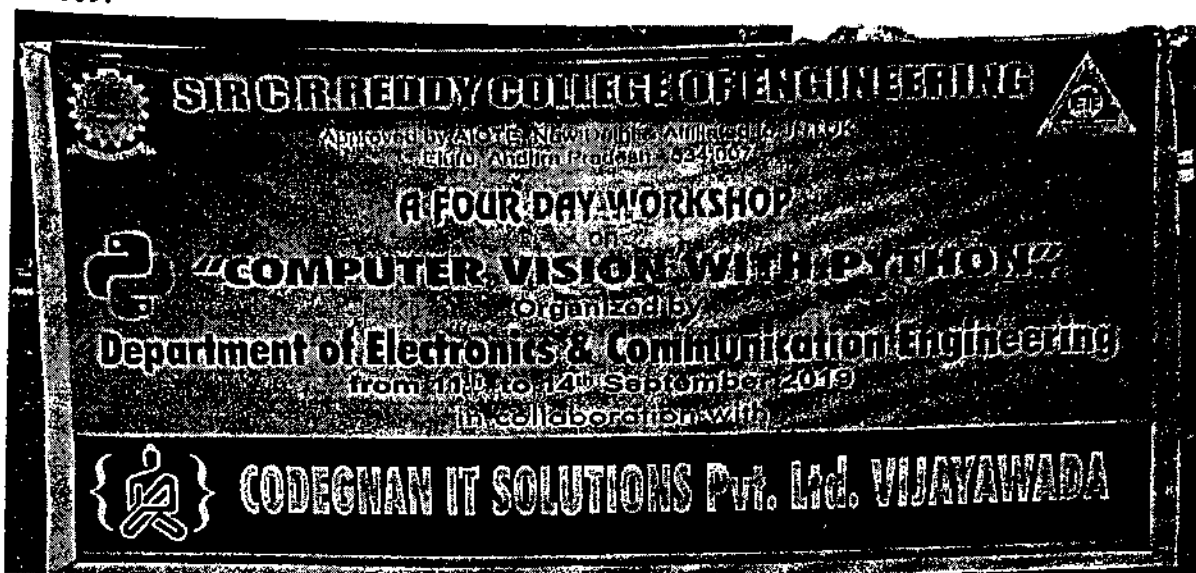
Resource persons

1. **Uppugundla Sairam**
   CEO, Codegnan IT solutions OPC, Pvt. Ltd.
2. **Ravi Chandra KL**
   Machine Learning Engineer, Codegnan IT solutions OPC, Pvt. Ltd.
3. **Eswar Kumar**
   Computer Vision Engineer, Codegnan IT solutions OPC, Pvt. Ltd.
4. **Nakka Sai Kiran**
   Python Developer, Codegnan IT solutions OPC, Pvt. Ltd.
5. **Ch.Surya Teja**
   Software Developer, Codegnan IT solutions OPC, Pvt. Ltd.
6. **K.Bala Krishna**
   Software Developer, Codegnan IT solutions OPC, Pvt. Ltd.

Organizing Committee

1. Event organization & Hospitality
1. Mr. V. Ranjith Kumar
2. Mr. Y. Bhaskar
3. Mr. M.Narendra Kumar

2. Press and Media
1. Dr. M Ravikumar

3. Monitoring Committee
1. Mrs. K.Radha
2. Mrs. P.Sowmithri
3. Mrs. N.Lavanya

4. Report Preparation
   1. Ms. K J Silva Lorraine
   2. Mrs. V. Vamsi Sudheera
5. Technical support
   1. Mr. G. Srinivasa Prasad
   2. Mr. Ch. Naga Lenin Kumar

List of Participants

S.No	Participants	Total
1	Faculty from ECE	5
2	3/4 ECE Students	115
	TOTAL	120

OBJECTIVES:

- This workshop aims to impart job-oriented training for 3/4 ECE students as python is one of the world's most popular programming languages and is commonly used by major companies (Like Google, Yahoo, Quora, Youtube, Instagram, Pinterest, spotify, reditt etc) for web development purpose.

- Students can develop prototypes quickly and easily to solve the real time problems as python is easy to work with.

- Computer Vision allows computers to identify objects through digital images or videos. Implementing CV through Python allows developers to automate tasks that involve visualization with much more ease. This workshop is intended to get people started with Computer Vision and go from a being a noob up to doing awesome stuffs like Face and Eye Detection.

Introduction:

Python is a popular programming language. It was created by Guido van Rossum, and released in 1991. Python is a language that is remarkably easy to learn, and it can be used as a stepping stone into other programming languages and frameworks.

It is used for:

- web development (server-side)
- software development
- mathematics
- system scripting.

Benefits of Python

- Python can be used on a server to create web applications.
- Python can be used alongside software to create workflows.
- Python can connect to database systems. It can also read and modify files.
- Python can be used to handle big data and perform complex mathematics.
- Python can be used for rapid prototyping, or for production-ready software development.

Significance

- Python works on different platforms (Windows, Mac, Linux, Raspberry Pi, etc).
- Python has a simple syntax similar to the English language.
- Python has syntax that allows developers to write programs with fewer lines than some other programming languages.
- Python runs on an interpreter system, meaning that code can be executed as soon as it is written. This means that prototyping can be very quick.
- Python can be treated in a procedural way, an object-orientated way or a functional way.

Python Syntax compared to other programming languages

- Python was designed for readability, and has some similarities to the English language with influence from mathematics.
- Python uses new lines to complete a command, as opposed to other programming languages which often use semicolons or parentheses.
- Python relies on indentation, using whitespace, to define scope; such as the scope of loops, functions and classes. Other programming languages often use curly-brackets for this purpose.

Computer Vision with Python

Computer Vision is a field of multiple disciplines that care about how computers can gain a high-level understanding from digital images/videos. Computer Vision is an attempt to automate tasks that the human visual system is able to perform. This is a process of acquiring, processing, analyzing, and understanding digital images, and extracting high-dimensional data from the real world. Gary Bradsky started OpenCV at Intel in 1999. While it supports a gamut of languages like C++, Python, and more.

Typical tasks involved Python Computer Vision are

- Recognition
- Motion Analysis
- Scene Reconstruction
- Image Restoration

Fields related to Python Computer Vision:

- Artificial Intelligence
- Solid-state Physics
- Neurobiology
- Signal Processing
- Statistics, Optimization, Geometry

Some of the applications of Python Computer Vision:

- Automatic inspection in manufacturing applications

- Assisting humans in identification tasks (eg, species identification system)

- Controlling processes (eg, an industrial robot)

- Detecting events (eg. visual surveillance)

- Interaction (eg. input to the device for computer-human interaction)

- Modeling objects/ environments (eg, medical image analysis)

- Navigation (eg, autonomous vehicle)

- Organizing information (eg, indexing databases of images and image sequences)

TOPICS AND HANDS-ON ACTIVITY IN THE WORKSHOP:

The duration of this workshop was three consecutive days and 24 hours hackathon with seven hours session per day, in a total of 21 hours properly divided into theory and hand on practical sessions.

Session .No.	TOPIC	Duration
1.	Setup and Python Installation , Introduction to Python, applications, Basic Mathematical operations using Hands on approach	4 hours
2.	Data types ,Rules of variables, Conversion types (float to string), slicing, Functions, Modules, Packages using Hands on approach and some exercise	3 hours
3.	Introduction to Jupter Notebook, Numpy, Pandas and using Hands on approach and some exercise	4 hours
4.	Introduction to AI, Fields in AI, Open CV, Image Reading, Video Reading using Hands on approach and some exercise	3 hours
5.	Draw a rectangle and circle, Put a text on Image, Image enhancement, Feature extraction and filtering using Hands on approach and some exercise	4 hours
6.	Pose estimation, Visual recognition, Capturing live video, Creating face data sets, training the data set, detecting face, recognizing face using Hands on approach and some exercise	3 hours
8.	Hackathon (14/09/2019) • Ideathon and creating abstract (7.30 AM to 11.30 AM) • Check point 1 (11.30 AM to 3.30 PM) • Check point 2 (3.30 PM to 7.30 PM) • Check point 3 (7.30 PM to 11.30 PM) • Check point 4 (11.30 PM to 3.30 AM) • Presentations (3.30 AM to 7.30 AM)	24 hours
TOTAL		45 hours

DAY-1
Inaugural Address:

Venue: Central Library browsing centre

Date: 11-09-2019
Time: 9:00 – 9:30 A.M

The Program started with Registrations from participants followed by a formal Inauguration in Central Library browsing centre. After inviting the dignitaries to dais, they tried to motivate the students by explaining the importance of Python.

Dr. R. Satish sir, Workshop Convener, Dept. of ECE, addressing the students.

Dr. PHS Tejo Murthy sir addressed the students and explained the importance of python in present scenario.

Mr.R. Thrinadh sir, T&P Coordinator, Dept. of ECE, addressed the students and explained the significance of CV with Python in Job Market.

SESSION-1
KEY NOTE ADDRESS

Venue: Library Browsing Centre
Topic: Introduction to Python

Date: 11-09-2019
Time: 9:30 A.M -12:30 P.M

Resource person: U. Sairam

U. Sairam sir gave an overview of python features so that the participants can get familiar with this environment. The goal is to present the core of skills necessary to start with python. In this session, he presented how to get and install this software on our computer. Later, he discussed about the applications where python is being used. He explained about the Basic Mathematical operations using this software.

In this session, Data types, List, Tuple, Set, Dictionary. Also, the Rules of variables, Conversion types (float to string), slicing, Functions , Modules and packages were discussed were discussed.

Every value in Python has a data type. Since everything is an object in Python programming, data types are actually classes and variables are instance (object) of these classes. There are various data types in Python. Some of the important types are numbers (int, float and complex), List, Tuple, Set, Dictionary.

Conversion between different Data Types

We can convert between different data types by using different type conversion functions like int(), float(), str() etc. Conversion from float to int will truncate the value (make it closer to zero), Conversion to and from string must contain compatible values and we can even convert one sequence to another.

Type Conversion

The process of converting the value of one data type (integer, string, float, etc.) to another data type is called type conversion. Python has two types of type conversion.
1. Implicit Type Conversion (Python automatically converts one data type to another data type. This process doesn't need any user involvement)
2. Explicit Type Conversion (users convert the data type of an object to required data type. We use the predefined functions like int(), float(), str(), etc to perform explicit type conversion. It is also called Type Casting)

Python Input and Output

Python provides numerous built-in functions that are readily available to us at the Python prompt. Some of the functions like input() and print() are widely used for standard input and output operations respectively.

Modules in python were discussed clearly. A module is a Python object with arbitrarily named attributes that you can bind and reference. Simply, a module is a file consisting

of Python code. A module can define functions, classes and variables. A module can also include runnable code.

Also Functions, were discussed. A function is a block of organized, reusable code that is used to perform a single, related action. Functions provide better modularity for your application and a high degree of code reusing.

SESSION-3

Venue: Library Browsing Centre

Date:12-09-2019.
Time: 9:00 am to 1:00 pm

U. Sairam sir clearing the doubts

In this session students were introduced to Jupyter Notebook, Numpy, Pandas and Anaconda. The Jupyter Notebook is an open source web application that you can use to create and share documents that contain live code, equations, visualizations, and text. Jupyter Notebook is maintained by the people at Project Jupyter. The Jupyter Notebook is not included with Python,

NumPy is a Python package which stands for 'Numerical Python'. It is the core library for scientific computing, which contains a powerful n-dimensional array object, provide tools for integrating C, C++ etc. It is also useful in linear algebra, random number capability etc.

Pandas is the most popular python library that is used for data analysis. It provides highly optimized performance with back-end source code is purely written in C or Python.

Anaconda is a free and open-source distribution of the Python and R programming languages for scientific computing, that aims to simplify package management and deployment.

Participants listening to CV introduction

Students were introduced to AI, Fields in AI, Open CV, Image Reading, Video Reading in this session. Computer Vision, often abbreviated as CV, is defined as a field of study that seeks to develop techniques to help computers "see" and understand the content of digital images such. Computer vision is a subfield of artificial intelligence concerned with understanding the content of digital images, such as photographs and videos.

OenCV (Open source computer vision) is a library of programming functions mainly aimed at real-time computer vision originally it was developed by Intel.

Image Reading: To read an image, we have the built-in function/method imread().
1.   >>> img=cv2.imread('py.jpg')
Note that prior to this, we have moved to the directory that holds this image.
We can also pass a value for a flag, which is the second argument-
- **cv2.IMREAD_COLOR-** To load a color image neglecting existing transparency (default flag)
- **cv2.IMREAD_GRAYSCALE-** To load a grayscale image
- **cv2.IMREAD_UNCHANGED-** To load an image including an alpha channel

Resource persons discussing with students

Draw a rectangle and circle, Put a text on Image, Image enhancement, Feature extraction and filtering were discussed in this session.

SESSION-6

Venue: Library Browsing Centre

Date: 13-09-2019
Time: 2:00 pm to 5:00 pm

U. Sairam sir clarifying the doubts

Pose estimation, Visual recognition, Capturing live video, Creating face data sets, training the data set, detecting face, face recognition were discussed in this session

Face Recognition: To make a face recognition program, first we need to train the recognizer with dataset of previously captured faces along with its ID, for example we have two person then first person will have ID 1 and 2nd person will have ID 2, so that all the images of person one in the dataset will have ID 1 and all the images of the 2nd person in the

Sir C R Reddy College of Engineering, Eluru.
Department of ECE
4-Day workshop on "CV with Python"

List of students who are willing to participate in 4-Day workshop on "CV with Python" from 11th September 2019 to 14th September 2019 by paying Registration fee Rs 200.

| S.No	Regd. No	Name	Signature	Amount paid
1	17B81A0 4B2	P. Rajasekhar	P. Rajasekhar	P
2	12B81A04 4L5	V. Raveendra	V. Rajendra	P
3	14B81A04 70	K. Manohar Sai	K. Manohar	P
4	17B81A04 45	V. Vijay Rama Rao	V. Vijay Rama Rao	Paid
5	17-B81A04 18	B. Raja Ram	B. Raja Ram	
6	17BB1A04 45	G. Sai Priyatham	G. Sai Priyatham	P
7	17-B81A04c5	A. Arulkumar	A. Arulkumar	P
8	17-B81A0487	H. Bhuvanesh	H. Bhuvanesh	P
9	17B81A04B3	P.V. R.V Dheeraj	P.V Dheeraj	P
10	18B85A0419	K. Srinivas	K. Srinivas	P
11	18B85A0426	P. Chaitanya	P. Chaitanya	P
12	17B81A04 D0	R. Praveen Kumar	R. Praveen	P
13	17B81A04 C8	B. Jayanth	B. Jayanth	P
14	17B81A04 D4	Sriram Harsha	Sriram Harsha	P
15	17B81A04 G2	S. Sujith Kumar	S. Sujith Ku	P
16	17B81A04 A6	P. Sandeep	P. Sandeep	P
17	17B81A04B1	P. Balaram	P. Bal	P
18	17B81A04 81	N. Madhan Sai	N. Madhan Sai	P
19	17B81A04 31	K. Sri Aakash	K. Aakash	P
20	17B81A04 H6	Vineeth Kumar. T	Vineeth Kumar. T	P
21	17B81A04 H8	Y. Vijay Kumar	Vijay Kumar	P
22	17B81A04 09	A.V.S. Preetham	A.V.S. Preetham	Paid
23	17B81A04 47	J. Sunil Kumar	J. Sunil Kumar	Paid
24	17B81A04 13	B. Venkatesh	B. Venkatesh	P
25	17B81A04 33	E. Rajarao	E. Rajarao	P
26	17B81A0412	B. Raja sekhar	B. Raja	P
27	17B81A0408	A. Nikhil	A. Nikhil	Paid
28	17B81A0450	M. Sai Sivani	M. Sai	P
29	17B81A04F9	U. Vishnu Priya	U. Vishnu Priya	P
30	17B81A0416	V. Triveni	V. Triveni	P
31	17B81A04 C4	P. Darshayani	P. Darshayani	P
32	17B81A0434	D. Pravallika	D. Pravallika	Paid
33	17B81A0421	B. Niharika	B. Niharika	P
34	17B81A0469	K. Jyothi	K. Jyothi	P
35	17B81A0435	M. Deepika Chowdary	M. Deepika	P
36	17B81A0459	K. Padmini	K. Padmini	P
37	17B81A0455	K. Adilakshmi	K. Adilakshmi	P
38	17B81A0498	N. Triveni	N.	P
39	17B81A04 A1	N. Thushdaravinda	N.	Paid
40	17B81A04B7	P. Bharathi	P. Bharathi	P
41	17B81A04B9	P. Bhavya Priya	P. Bhavya	Paid
42	17B81A04 A0	K. Sai B. Saritha	K. Saritha	
43	17B81A0464	K. Srilatha	K. Srilatha	Paid
44	17B81A0448	J. Soundarya	J. Soundarya	Paid
45	17B81A04C2	P. Chandrika	P. Chandrika	P
46	17B81A04 D8	Sk. Anjuma	Sk. Anjuma	P
47	17B81A04B5	P. Dharalabshmi	P. Dhara	P
		K. Santhoshi	K. SS. L Santhoshi	P

Second Prize winners

Team Hackathon

CONCLUSION

The workshop turned out to be an eye opener for the 3/4 ECE students who wanted to learn python Fundamentals and computer vision using python. The workshop helped students to grow their knowledge and boost their confidence regarding python programming and also gained a lot of concepts to get cleared with a friendly environment throughout the sessions. 3 Day workshop has been ended with 24 hours hackathon. Hackathon has enabled the students to come up with innovative ideas for the challenging problems.

We thank the support of the Management, Head of Department, faculty members and Volunteers who helped us in conducting this workshop and making this event a grand success
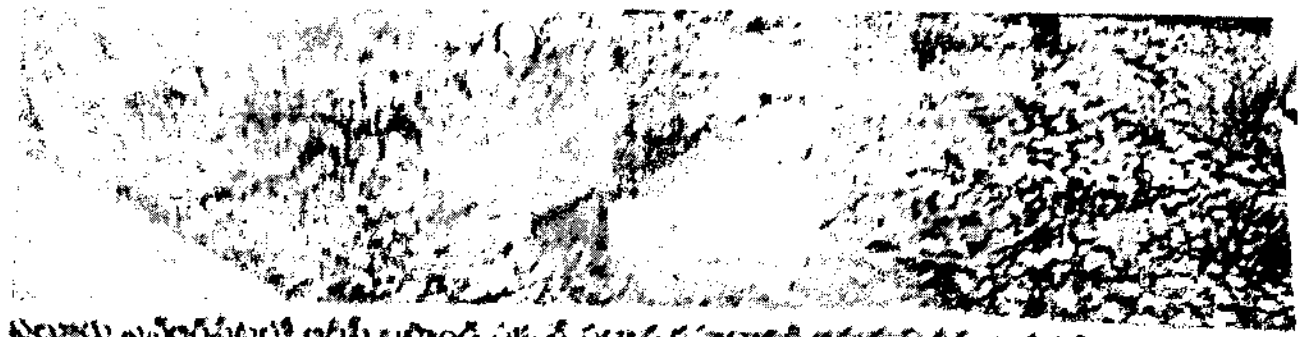
సాంకేతిక విప్లవానికి హాకథాన్‌తో నాంది

సీఆర్ఆర్ ఇంజనీరింగ కళాశాలలో హాకథాన కార్యక్రమంలో పాల్గొన్న అతిథులు, అధ్యాపకులు

పాలకొల్లు (ఆర్ఆర్పేట) : సాంకేతిక విప్లవానికి హాక ...