

Report
on
Activities under MoU
DEPARTMENT OF PHYSICS & ELECTRONICS
SRR & CVR GOVERNMENT DEGREE COLLEGE(A),
VIJAYAWADA
with
DEPARTMENT OF PHYSICS & ELECTRONICS
PB SIDDHARTH COLLEGE OF ARTS & SCIENCE,
VIJAYAWADA

DATE: 27 -01- 2021 to 26-01- 2024



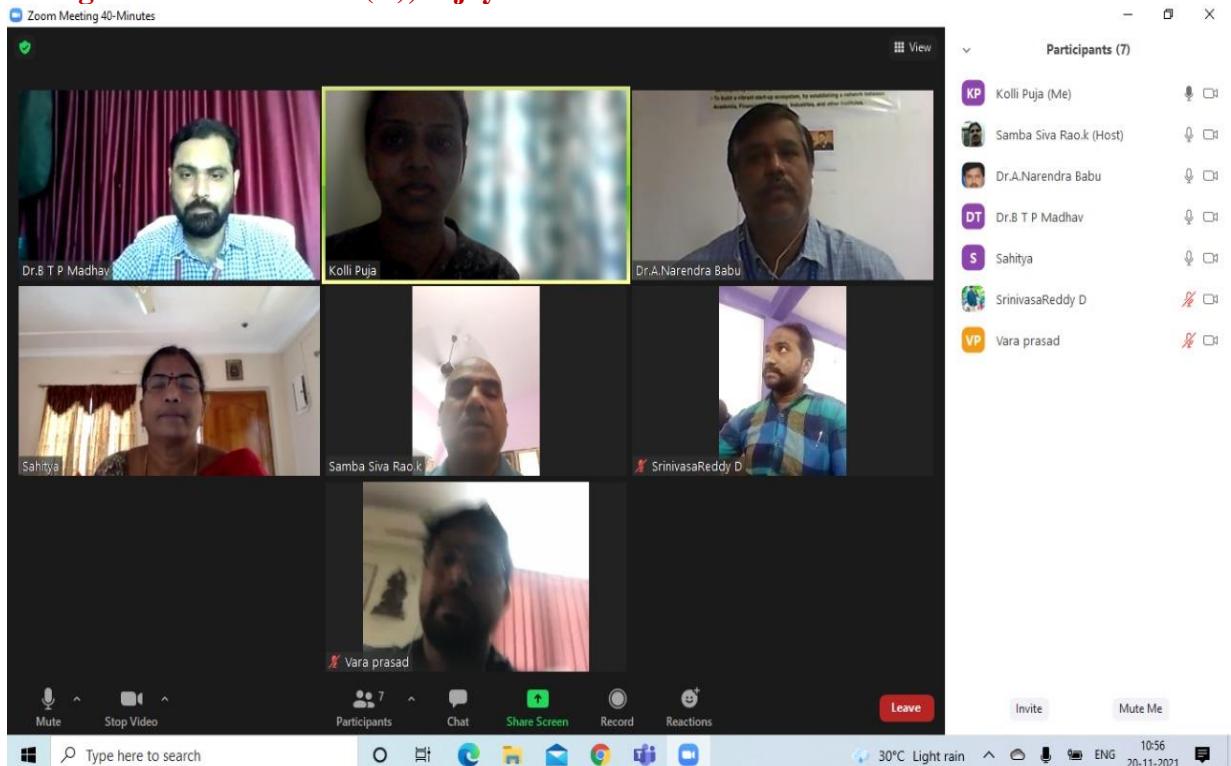
ACTIVITIES CONDUCTED UNDER MoU

Memorandum of Understanding (MOU) is entered into on 27th day of January, 2021 by and between SRR & CVR Government Degree College(A), Vijayawada and PB Siddharth College of Arts & Science (A), Vijayawada for Exchange of Teaching - Learning Process. The interaction between the Departments of Physics & Electronics included cooperation in a variety of joint academic and educational activities in two colleges. A few Academic activities conducted are as follows.

- **Curriculum Development:** Smt. P. Sailaja, HoD of Physics & Electronics had acted as subject expert for BoS conducted on 20-11-2021 in online mode & another on 17-08-2022 in offline mode.
- **Guest Lecture** was arranged to Students of Physics & Electronics, SRR & CVR Government Degree College(A), Vijayawada on IoT & applications by KSV Samba Siva Rao, HoD, Physics & Electronics Department, PB Siddharth College of Arts & Science (A), Vijayawada. Further initiatives like Visits by faculty, professional staff, and students is also occurred whenever it is needed to introduce new curriculum in Practicals etc.

Academic faculty, Students of Physics & Electronics of both the colleges participated in conferences, webinars organized by either of these two colleges.

Screen Shots of Online BoS Meeting conducted for Electronics Papers, PB Siddharth College of Arts & Science (A), Vijayawada



1. Op-Amp as inverting and non-inverting
 2. Op-Amp Voltage follower and current follower
 3. Op-Amp as integrator and differentiator
 4. Op-Amp as adder & subtractor
 5. Op-Amp as voltage to current converter
 6. Op-Amp as square wave generator
 7. AM Modulation and Demodulation.
 8. FM Modulation and Demodulation
 9. Pre-emphasis and De-emphasis.
 10. PM Modulation and Demodulation

LAB MANUAL: SUPPLIED BY DEPARTMENT
 Lab experiments are to be done on b
 software (using Multisim) and output values
 justified for variation.

P.B.SIDDHARTH COLLEGE OF ARTS & SCIENCE
Model Question Paper
TITLE: Analog Circuits and Oscillators
Course Code: ELET32
Time: 3 Hrs

SECTION – A
 Answer any **five** of the following:
 1. Compare basic and ideal Op-Amps.



Guest Lecture on IoT & Applications at SRR & CVR Government Degree College(A), Vijayawada



MEMORANDUM OF UNDERSTANDING
Between
DEPARTMENT OF PHYSICS AND ELECTRONICS
S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (Autonomous), Vijayawada
And
DEPARTMENT OF PHYSICS & ELECTRONICS
P.B. SIDDHARTHA COLLEGE OF ARTS AND SCIENCE (Autonomous),
Vijayawada

This Agreement is made and is entered into on the twenty seventh day of January 2021 between DEPARTMENT OF PHYSICS& ELECTRONICS, S.R.R. & C.V.R. GOVT. DEGREE COLLEGE (Autonomous), Vijayawada and DEPARTMENT OF PHYSICS & ELECTRONICS P.B. SIDDHARTHA COLLEGE OF ARTS AND SCIENCE (Autonomous), Vijayawada for the period of three years.

1. OBJECTIVES OF THE MoU:

The objectives of this Memorandum of Understanding are:

- a. To provide a formal basis for initiating interaction between the institutions mentioned above.
- b. To explore the mutual interest and promote them in the right direction benefitting each other.

2. PROPOSED MODES OF COLLABORATION:

DEPARTMENT OF PHYSICS& ELECTRONICS, S.R.R. &C.V.R. GOVT. DEGREE COLLEGE (Autonomous), Vijayawada

and

DEPARTMENT OF PHYSICS & ELECTRONICS P.B. SIDDHARTHA COLLEGE OF ARTS AND SCIENCE (Autonomous), Vijayawada proposes to collaborate through:

1. Facilitating Exchange of Faculty Members Through
(a) Guest Lectures (b) Seminars(c) Visiting faculty (d) Research & Guidance (e) Curriculum development
2. Facilitating Student projects and programs at UG level
3. Facilitating Laboratory resources for student projects
4. Any other appropriate module to enhance knowledge and Skills On mutual consent of the departments.

The representatives of the two parties have signed below and caused this Memorandum of Understanding to be executed, effective from the day, month and year mentioned above.

P. Elaia
HOD 27/01/2021

Department of Physics & Electronics,
SRR & CVR GOVT DEGREE COLLEGE (A)

Lecturer in-charge
Dept. of Physics & Electronics
SRR & CVR Govt. Degree College
(Autonomous)
VIJAYAWADA-4

K. Sambasiva Rao
HOD 27/1/2021

Department of Physics & Electronics
P.B. SIDDHARTHA COLLEGE OF ARTS & SCIENCE (A)

Head, Department Of Electronics
P.B. Siddhartha College Of Arts&Sciences
VIJAYAWADA - 510 010.