

DEPARTMENT OF PHYSICS
SRI A.S.N.M. GOVERNMENT COLLEGE (AUTONOMOUS)
PALAKOL, W.G.DT.534260

VALUE ADDED COURSE-2017 - 18



VALUE ADDED COURSE
IN
Instrumentation Basics and Technical Skill Development

COURSE COORDINATOR
Smt. T V V Priya Lecturer in Physics
DEPARTMENT OF PHYSICS

CONTENTS

	Page No.
1. Minutes of the meeting	03
2. Syllabus	04
2. Report on Certificate course	04
3. Expected program specific outcomes:	05
4. Other details	
• List of students enrolled & Attendance particulars	7-10
• Multiple choice question paper and Key	11-18

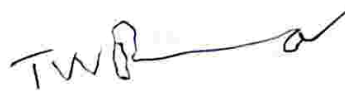
MINUTES OF THE MEETING

The Department of Physics held a meeting on 2-12-2017 and passed a resolution to organize Certificate Course in Instrumentation Basics and Technical Skill Development under the guidance of Smt. T V V Priya . The other staff members of the Department Dr. K Ram Narayana and N V R D Padma Lata were also present in the meeting . The course was planned to be held for 30 working hours. It was proposed to conduct the certificate course from 4-12-17 to 24-1-2018 for the academic year.

Signature of the staff members:

Smt. T V V Priya

Incharge of the Department



Dr. K Ram Narayana

Lecturer in Physics



N V R D Padma Lata

Lecturer in Physics



Signature of the Principal,

Circular.

1

2-12-17

This is to inform all the Students of B.Sc MPC and MPCs that the Department of Physics is organizing a "Value added course" in Instrumentation basics and technical Skill development under the guidance of Smt T.V.V. Priya from 4-12-17 to 24-1-18 to enrich the knowledge of Students with 30 working hours. Interested Students can give their names to Smt N.V.R.D. Padmalata - Lecturer in Physics. Time : 5PM to 6PM

Thirupathi
Signature of the
Department i/c

III B.Sc MPC }
MPCs } 

Syllabus

Module 1: Familiarisation of electronics circuit components - Resistor, Capacitor, Diodes, Transistor, Inductor, Integrated Circuits.

Module 2: Characteristics of AC and DC signals.

Module 3: Familiarisation of Galvanometer, Ammeter, Voltmeter, DC power supplies, AC signal generator, CRO.

Module 4: Electronics circuit fabrication basics- BreadBoard, Soldering Techniques.

Module 5: Construction and working of simple electronic circuits-Rectifier, voltage regulator, Amplifier, Oscillator, Multivibrator.

Report on Certificate Course

Introduction

Department of Physics conducted a certificate course in Instrumentation Basics and Technical Skill Development during the year 2017-18 under curriculum enrichment programme. It is important for physics students to Understand the basic working principles of important electrical and electronic circuit components. This can help the students handle simple electrical circuits in household and also in the laboratory.

Objectives

- Familiarisation of electronics circuit components
- Characteristics of AC and DC signals
- Familiarisation of DC power supplies
- BreadBoard, Soldering Techniques
- Construction and working of simple electronic circuits

Expected outcomes of program

- Understand the basic working principles of important electrical and electronic circuit components.
- Troubleshooting the laboratory equipments.
- Develop the skill of simple electronic circuit fabrication and instrumentation

Total Hours:30

Examination Scheme: Exam contain 25 multiple choice question each one carry 4 marks.

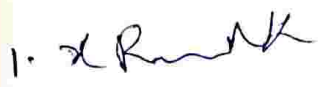
Eligibility: III B.Sc Physics students are eligible to enroll for the course.

No. of Seats: 26

Quality Assurance Mechanism: The quality of the course will be ensured through continuous evaluation of feedback from students and course coordinator by IQAC of the college.

This proposal is placed before BOS committee for syllabus approval.

Committee Members

1. 
2. 



BOS Chairman

List of students enrolled for the certificate course III B.Sc MPC 4-12-17 to 24-1-2018

5PM TO 6PM

S.NO	Regd.No.	Name of the student	Signature of the student
1	1521001	A S S D PRASAD	A. Prasad
2	1521002	A RAMU	A. Ramu
3	1521005	Ch D D V PRASAD	Ch. Prasad
4	1521007	D KUMARA SWAMY	D. Kumara Swamy
5	1521008	G DHANA PRASAD	G. Prasad
6	1521009	G T LAKSHMAN	G. Lakshman
7	1521010	G TATAJI	G. Tataji
8	1521011	G TRIMURTI RAJU	G. Raju
9	1521012	G PREM KUMAR	G. Prem Kumar
10	1521013	G RAJESH	G. Rajesh
11	1521014	T RUSHMESWARI	T. Rushmeswari
12	1521015	K NEELIMA RANI	K. Neelima
13	1521016	K LEELA PRASSANP KUMAR	K. Kumar
14	1521017	K DIVYA	K. Divya
15	1521018	K DURGA PRASAD	K. Prasad
16	1521019	K J S DURGA RAO	K. S. Durgarao
17	1521020	K SIMHACHALAM	K. Simhachalam
18	1521022	K DANISHTA KUMAR	K. Danishta
19	1521023	M RAJU	M. Raju
20	1521025	N T S DEVI	N. T. S. Devi
21	1521026	N D MUTYAVALI	N. Mutyavali
22	1521028	P BHAVANI	P. Bhavani
23	1521029	P S RAMBABU	P. Rambabu
24	1521030	Sk. GOUSIA	Sk. Gausia
25	1521031	T SRINIVASA KUMAR	T. Srinivasa Kumar
26	1521032	U V S S D VARA LAKSHMI	U. V. S. S. D. Varalakshmi
27	1522034	B VENKAT	B. Venkat.

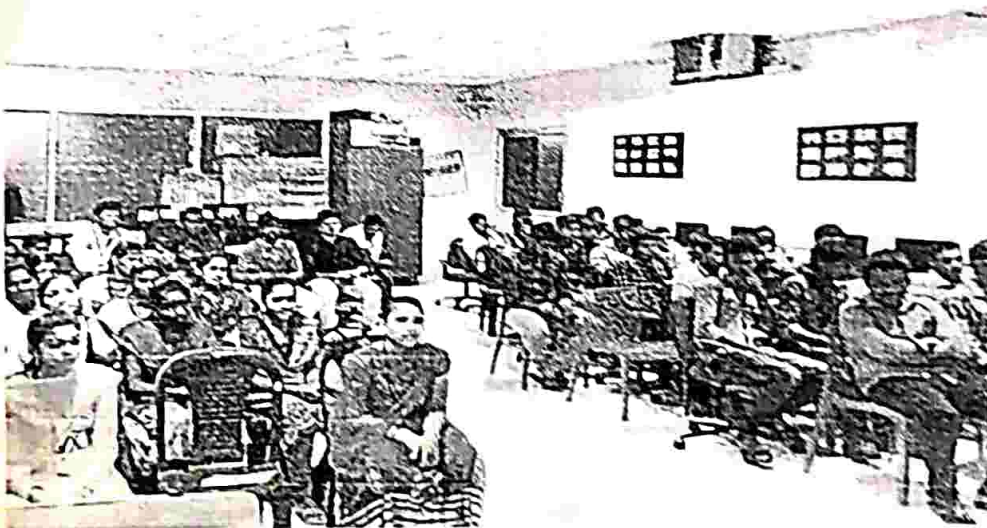
28	1522037	J S CHANDRARAO	J. Chandrarao
29	1522038	K V VENKATA DURGA	K. Venkat Durga
30	1522039	K SHIRDI SATISH	K. Shirdi Satish
31	1522040	M DURGA PRASAD	M. Durga Prasad
32	1522041	M SURYA PRAKASH	M. Surya Prakash
33	1522043	VIPARTHI SIRISHA	V. Shirdisha

TWP

Head of the Department.

K S

Principal



Student Attendance:

[illegible]

27	B VENKAT	III B.Sc.	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	A	p
28	J S CHANDRARAO	III B.Sc.	A	p	p	p	p	p	p	p	p	A	p	p	p	p	p	p	p
29	K V VENKATA DURGA	III B.Sc.	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	A	p
30	K SHIRDI SATISH	III B.Sc.	A	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
31	M DURGA PRASAD	III B.Sc.	A	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
32	M SURYA PRAKASH	III B.Sc.	A	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p
33	VIPARTHI SIRISHA	III B.Sc.	p	p	p	p	p	p	p	p	p	p	p	p	p	p	p	A	p

Student Attendance:

Sl.No	Name of the Student	Class	18	19	20	21	22	23	24	25	26	27	28	29	30
1	A S S D PRASAD	III B.Sc.,	A	p	p	p	p	p	p	p	P	p	p	p	p
2	A RAMU	III B.Sc.	p	p	p	p	p	p	p	p	P	p	A	p	p
3	Ch D D V PRASAD	III B.Sc.	p	p	p	p	p	p	p	p	A	p	p	p	p
4	D KUMARA SWAMY	III B.Sc.	p	p	p	p	p	p	p	p	P	p	p	p	p
5	G DHANA PRASAD	III B.Sc.	p	p	p	A	p	p	p	p	P	p	p	p	p
6	G T LAKSHMAN	III B.Sc.	A	p	p	p	p	p	p	p	P	p	p	p	p
7	G TATAJI	III B.Sc.	p	p	p	p	p	p	p	A	P	p	p	p	p
8	G TRIMURTI RAJU	III B.Sc.	p	p	p	p	p	p	p	p	P	p	p	p	p
9	G PREM KUMAR	III B.Sc.	p	p	p	p	A	p	p	p	P	p	p	p	p
10	G RAJESH	III B.Sc.	p	p	p	p	p	p	p	p	A	p	p	p	p
11	T RUSHMESWARI	III B.Sc.	A	p	p	p	p	p	p	p	P	p	p	p	p
12	K NEELIMA RANI	III B.Sc.	p	p	p	p	p	p	p	p	P	p	p	p	A
13	K LEELA PRASSANP KUMAR	III B.Sc.	p	p	p	p	p	p	p	p	P	A	p	p	p
14	K DIVYA	III B.Sc.	p	p	p	p	p	A	p	p	P	p	p	p	p
15	K DURGA PRASAD	III B.Sc.	p	p	A	p	p	p	p	p	P	p	p	p	p
16	K J S DURGA RAO	III B.Sc.	A	p	p	p	p	p	p	p	P	p	p	p	p

17	K SIMHACHALAM	B.Sc.	P	P	P	P	P	A	P	P	P	P	P	P	P
18	K DANISHTA KUMAR	B.Sc.	P	P	P	A	P	P	P	P	A	P	P	P	P
19	M RAJU	B.Sc.	P	A	P	P	P	P	P	P	P	P	P	P	P
20	N T S DEVI	B.Sc.	P	P	P	P	P	P	P	P	A	P	P	P	P
21	N D MUTYAVALI	B.Sc.	P	P	P	P	P	A	P	P	P	P	P	P	P
22	P BHAVANI	B.Sc.	P	P	P	P	P	P	A	P	P	P	P	P	P
23	P S RAMBABU	B.Sc.	P	P	P	P	P	P	A	P	P	P	P	P	P
24	SK. GOUSIA	B.Sc.	P	P	A	P	P	P	P	P	P	P	P	P	P
25	T SRINIVASA KUMAR	B.Sc.	P	P	A	P	P	P	P	P	P	P	P	P	P
26	U V SS D VARA LAKSHMI	B.Sc.	P	P	P	P	P	P	P	P	P	A	P	P	P
27	B VENKAT	B.Sc.	P	P	P	P	P	P	P	P	P	A	P	P	P
28	J S CHANDRARAO	B.Sc.	P	P	P	P	P	P	P	P	P	P	P	P	A
29	K V VENKATA DURGA	B.Sc.	P	P	P	A	P	P	P	P	A	P	P	P	P
30	K SHIRDI SATISH	B.Sc.	P	P	P	P	P	P	P	P	P	P	P	P	A
31	M DURGA PRASAD	B.Sc.	P	P	P	P	P	P	P	P	P	P	P	P	A
32	M SURYA PRAKASH	B.Sc.	P	P	P	A	P	P	P	P	A	P	P	P	P
33	VIPARTHI SIRISHA	B.Sc.	P	P	P	P	P	P	P	P	P	P	P	P	A

TWP

Signature of the
Lecturer.

SRI A.S.N.M. GOVT. COLLEGE (A)

(NAAC Reaccredited B grade with 2.61 CGPA)

PALAKOL, WEST GODAVARI DISTRICT, A.P

DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that Mr/Ms SK Gousia of III B.Sc Class successfully
completed Value Added Course in Instrumentation Basics and Technical
Skill Development during the year 2017-18.

TWP-e

In-charge of the Department

TWP-e

Course-coordinator

KGS

Principal