

**MRS AVN COLLEGE, VISAKHAPATNAM**  
**(Affiliated to Andhra University, Visakhapatnam)**  
**Accredited by NAAC "A" grade**

**Visakhapatnam**  
**Date: 30-07-2020**

Program report (certificate course/Add on course)  
 Name of the Event: Certificate course " **Group Theory**"  
 Dates : 16-07-2020 TO 30-07-2020  
 Resource person: Dr N Ramakrishna  
 Email: captdrnk@yahoo.com  
 Phone no: 9440442737  
 Name of the coordinator: Dr Ch Srinivasarao  
 No of student attended: 100  
 No of contact hours: 30 hours  
 Learning outcomes:

Lower order	<b>40%</b>	Algebraic number theory makes use of groups for some important applications. Concept of Algebraic structures
Higher order	<b>60%</b>	Express a given finite cyclic group as a direct product of cyclic groups of prime power order and given to direct product of cyclic group determine whether they are isomorphic

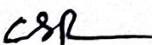
Course content:

Basic properties- Lagrange's theorem- Fundamental homomorphism-Abstract Algebra

Assessment procedure:

Online test: 100%

**Program coordinator: Dr Ch Srinivasarao**

  
**Head of the department**

Head of the Department  
 Department of Mathematics & Statistics  
 AVN College, Visakhapatnam

2020-21

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Date:15/02/2021

**Program report (certificate course/Add on course)**

**Name of the Event:** Certificate course on "Basic Coding Of Digital Electronics"

**Dates:** 21-12-2020 to 12-02-2021

**Resource person:** R Tarakeshwar Rao

**Email:** rejetitharak@gmail.com

**Phone no:** 8639018082

**Name of the coordinator:** Prof. Dr. S.Srinivasa Rao

**No of student attended:**25

**No of contact hours:** 36

**Learning outcomes:**

- Develop a digital logic and apply it to solve real life problem
- understand the number system binary code and complements
- Know about switching circuits and oscillator circuit their design and use i electronics
- Basic understanding of analog systems and their applications
- Basic understanding of digital systems and their applications

Lower order	40%	Varactors diode, Tunnel diodes DC power supply: Rectifier; Half wave, Full wave(center-tapped, bridge), Zener-regulated power supply
Higher order	60%	Basic model; Virtual ground concept; Inverting Amplifier, Non-inverting Amplifier, Integrator, Differentiator, summing Amplifier and their applications