



**TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE (MEN) NAGARKURNOOL**

(AFFILIATED TO PALAMURU UNIVERSITY. CODE: 3391)

Nagarkurnool, @ Macharam (Jadcherla), Mahabubnagar (Dist.) – 509301

✉ : ttwrdbcboys.nagarkurnool@gmail.com; ☎ : 8074582331, 7901097703.



To

Date: 20/07/2019

The Principal,

**Shantiniketan degree college , Miryalaguda,**

Subject: Request for Senior Lecturer to Deliver Extension Lecture.

Respected Principal sir,

I am writing on behalf of the Department of Mathematics at Telangana Tribal Welfare Residential Degree College Men Nagarkurnool. We are keen to enhance the academic experience of our students and believe that exposure to senior faculty from esteemed institutions can greatly contribute to their learning.

With this in mind, we kindly request your assistance in sending a senior lecturer from your esteemed college to deliver an extension lecture at Telangana Tribal Welfare Residential Degree College Men Nagarkurnool. This lecture will not only provide our students with valuable insights but also foster academic collaboration between our institutions.

We assure you that all necessary arrangements will be made to ensure a smooth and productive visit for the esteemed lecturer. Your cooperation in this matter would be greatly appreciated.

Thank you for considering our request.

HOD

Department of Mathematics  
Telangana Tribal Welfare Residential Degree  
College Men Nagarkurnool

Principal

**PRINCIPAL**  
**TTWR Degree College (M)**  
**College Code 3391 (P.U.)**  
**Nagarkurnool-509 209**



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## DEPARTMENT OF MATHEMATICS EXTENSION LECTURE

**Date:** 23/07/2019

**Time:** 11 AM TO 12:30

**Name of the Subject Expert & Designation:** Y SATYANARAYANA ,DL in Maths

**Organised Department:** MATHEMATICS, TTWRDC(M) NAGARKURNOOL

**Total No of Participants:** 57

**Place:** NAGARKURNOOL @ JADCHERLA

**Topic :** MODERN ALGEBRA

### Introduction:

Modern algebra, branch of mathematics concerned with the general algebraic structure of various sets (such as real numbers, complex numbers, matrices, and vector spaces), rather than rules and procedures for manipulating their individual elements

**Key Points:** Basic Rules and Properties of Algebra

Commutative Property of Addition:  $a + b = b + a$ .

Commutative Property of Multiplication:  $a \times b = b \times a$ .

Associative Property of Addition:  $a + (b + c) = (a + b) + c$ .

Associative Property of Multiplication:  $a \times (b \times c) = (a \times b) \times c$

Order of a group, Order of an element

### Conclusion :

If the operations satisfy familiar arithmetic rules (such as associativity, commutativity, and distributivity) the set will have a

particularly "rich" algebraic structure.

Sets with the richest algebraic structure are known as fields.

The conclusion of all this is that an equivalence relation on a set is the same as a partition.



Extension lecturer by Y Satyanarayana

Y Satyanarayana  
23/07/2019

**Signature of Expert & Designation: DL IN MATHS, SHANTINIKETAN DEGREE  
COLLEGE, MIRYALAGUDA, TELANGANA.**

Faculty: 1) Ravi kandi RK

2) G Ravi GR

**Students Attendance:**

SN O	NAME	SIGN	SN O	NAME	SIGN	SNO	NAME	SIGN
1	VATTAM SRIKANTH GUPTHA	<i>Srikant</i>	22	MUDAVATH RAJENDAR	<i>Rajendar</i>	43	MUDAVATH RAJENDAR	<i>M. Rajendar</i>
2	MUDAVATH NARESH	<i>Nare</i>	23	SABAVATH PATEL	<i>S. PATEL</i>	44	SABAVATH PATEL	<i>S. Patel</i>
3	V NARESH	<i>V. Nareesh</i>	24	BHUKYA GANESH	<i>B. GANESH</i>	45	BHUKYA GANESH	<i>B. Ganesh</i>
4	BABU NAIK	<i>Babu Naik</i>	25	KATRAVATH SURESH	<i>K. Suresh</i>	46	KATRAVATH SURESH	<i>K. Suresh</i>
5	MEGHAVATH NAVEEN	<i>M. Naveen</i>	26	K SHENKAR NAIK	<i>K. Shan Kar</i>	47	K SHENKAR NAIK	<i>K. Shan Naik</i>
6	MIDDE MADHU	<i>Madhu</i>	27	NENAVATH SRINU	<i>N. Srinu</i>	48	NENAVATH SRINU	<i>N. Srinu</i>
7	THUMMA PAVAN KUMAR	<i>Pavan Kumar</i>	28	K DANUSH	<i>K. DANUSH</i>	49	K DANUSH	<i>Danush</i>
8	P VAMSHI	<i>Vamshi</i>	29	BANOTH ANIL	<i>B. Anil</i>	50	MUDAVATH RAJENDAR	<i>M. Rajendar</i>
9	K RAMAKRISHNA	<i>Rama Krishna</i>	30	KATRAVATH JAWAHARLAL	<i>K. Jawahar Lal</i>	51	SABAVATH PATEL	<i>Sabavath Patel</i>
10	MARRIPALLY ANJANEYULU	<i>M. Anjaneyulu</i>	31	RAMAVATH SRIKANTH	<i>R. Srikant</i>	52	BHUKYA GANESH	<i>Ganesh</i>
11	KUKUTLA SRIKRISHNA	<i>Srikrishna</i>	32	KETHAVATH NARESH	<i>K. Nareesh</i>	53	KATRAVATH SURESH	<i>K. Suresh</i>
12	N SHIVA KUMAR	<i>N. Shiva Kumar</i>	33	ADAVATH UPENDAR	<i>A. Upendar</i>	54	K SHENKAR NAIK	<i>K. S. Naik</i>
13	MEKALA MAHESH	<i>MAHESH</i>	34	U RAGHAVENDRA	<i>R. Raghavendra</i>	55	NENAVATH SRINU	<i>N. Srinu</i>
14	CHINNA KURUVA RAGHAVENDAR	<i>RAGAV ENDAR</i>	35	AMULA KRISHNA	<i>A. Krishna</i>	56	K DANUSH	<i>K. Danush</i>
15	MAOHANTHI GOWTHAM	<i>Gowtham</i>	36	NAGILLA NAVEEN	<i>N. Naveen</i>	57	BANOTH ANIL	<i>B. Anil</i>
16	NARASIMHULU	<i>Naray</i>	37	GUDDA SURENDER	<i>G. SURENDER</i>			
17	B MURALIKRISHNA	<i>B. Murali Krishna</i>	38	A SHIVARAJU	<i>A. SHIVARAJU</i>			
18	ASHOK	<i>Ashok</i>	39	J SURESH	<i>Suresh</i>			
19	S SAI KIRAN	<i>Sai Kiran</i>	40	BUKYA HARIKIRAN	<i>B. Hari</i>			
20	KAPPERA ANJENEYULU	<i>Anjeneyulu</i>	41	BURAM ANJI	<i>ANJI</i>			
21	N SHIVA KUMAR	<i>Shiva Kumar</i>	42	BATTAMEKALA GANESH	<i>Ganesh</i>			

  
HOD

  
IQAC Co-ordinator

  
Principal

DEPT. OF MATHEMATICS  
TTWRDC (M), NAGARKURNOOL  
3391- PALAMURU UNIVERSITY

IQAC Co-Ordinator  
TTWR Degree & PG College (M)  
College Code: 3391 (P.U.)  
Nagarkurnool-509209 (TS)

Principal  
TTWR Degree College (B),  
Nagar Kurnool · 509 209



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To

Date: 10/10/2023

The Principal,  
**SV degree college , Nalgonda.**

Subject: Request for Senior Lecturer to Deliver Extension Lecture.

Respected Principal sir,

I am writing on behalf of the Department of Mathematics at Telangana Tribal Welfare Residential Degree College Men Nagarkurnool. We are keen to enhance the academic experience of our students and believe that exposure to senior faculty from esteemed institutions can greatly contribute to their learning.

With this in mind, we kindly request your assistance in sending a senior lecturer from your esteemed college to deliver an extension lecture at Telangana Tribal Welfare Residential Degree College Men Nagarkurnool. This lecture will not only provide our students with valuable insights but also foster academic collaboration between our institutions.

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Thank you for considering our request.

HOD

Department of Mathematics  
Telangana Tribal Welfare Residential Degree  
College Men Nagarkurnool

*Dr. V. Ab*  
Principal

**PRINCIPAL**  
**TTWR Degree College (M)**  
**College Code 3391 (P.U.)**  
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## DEPARTMENT OF MATHEMATICS EXTENSION LECTURE

**Date:** 13/10/2023

**Time:** 11 AM TO 12:30

**Name of the Subject Expert & Designation:** V Hanmanthu ,DL in Maths

**Organised Department:** MATHEMATICS, TTWRDC(M) NAGARKURNOOL

**Total No of Participants:** 31

**Place:** NAGARKURNOOL @ JADCHERLA

**Topic :** DIFFERENTIAL EQUATIONS

### Introduction:

A differential equation is an equation involving derivatives. The order of the equation is the highest derivative occurring in the equation. The first four of these are first order differential equations, the last is a second order equation.

### Key Points:

- Ordinary Differential Equations.
- Homogeneous Differential Equations.
- Non-homogeneous Differential Equations.
- Linear Differential Equations.
- Nonlinear Differential Equations

### Conclusion :

Ordinary differential equations have several applications and are a potent tool in the study of a variety of problems in the natural sciences and technology; they are widely used in mechanics, astronomy, physics, and a variety of chemistry and biology problems.



Extension lecturer by V HANTMANTHU

*[Handwritten Signature]*  
13/10/23

**Signature of Expert & Designation: DL IN MATHS, SV DEGREE COLLEGE,  
NALGONDA, TELANGANA.**

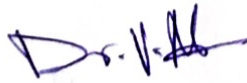
**Faculty: 1) Ravi Kandi** *[Handwritten Signature]*  
2) B Shiva Prasad *[Handwritten Signature]*

**Students Attendance:**

SN	NAME OF THE STUDENT	SIGN	SNO	NAME	SIGN
1	B. SRIDHAR	B. Srihar	22	T. MALLESH	T. Mallesh
2	D. GOPAL NAYAK	Gopal	23	M. SHIVA PRASAD	M. Shiva Prasad
3	D. MALLUDAS	D. Mallu Das	24	G NARENDAR	G. Narendhar
4	K. MAHESH	K. Mahesh	25	G RAMU	G. Ramu
5	K. SHIVA	Shiva	26	K GOUTHAM	K. Goutham
6	K. RAGHAVENDHRA	K. Raghavendhra	27	K SURESH	Suresh
7	M. PAVAN KUMAR	M. Pavan	28	MUDAVATH SANTHOSH	M. Santhosh
8	M. RAMESH NAIK	M. Ramesh	29	NENAVATH HARI	N. Hari
9	D BADRI NAYAK	D. Badri	30	RAMAVATH NARIBABU	R. Naribabu
10	ESLAVATH RAMLAL	Ram	31	YEKULA VAMSHI	Y. Vamsi
11	E VISHAL	Vishal			
12	G MAHESH	Mahesh			
13	K RAJASHEKAR	K. Raja Shekar			
14	M SHIVAKUMAR	M. Shivakumar			
15	M JAGADEESH	Jagadeesh			
16	P SHASHIDHAR	SHASHI			
17	R BABURAO	BABU			
18	R DATHU	DATHU			
19	S. LOKESH REDDY	Lokesh			
20	S. VIJAY KUMAR	S. Vijay			
21	P. GOVARDHAN	P. Govardhan			



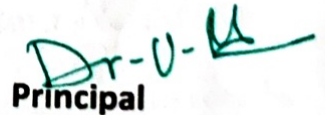
HOD



IQAC Co-ordinator

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Nagarkurnool, (TS)



Principal

Principal  
TTWR Degree College (B,  
Nagar Kurnool - 509 209



. OFFICE OF THE PRINCIPAL  
TELANGANA SOCIAL WELFARE RESIDENTIAL DEGREE  
COLLEGE FOR WOMEN, NAGARKURNOOL



E-mail: pri-rdcw-ngrknl-swrs@telangana.gov.in

Mobile No.: 7995660881

**EXTENSION LECTURE ATTENDANCE CERTIFICATE**

This is certify that Sri.Butta Shiva Prasad Lecturer in Mathematics of TTWR Degree College in Nagarkurnool, has been given Extension Lecturer for B.SC -I students on 13-02-2023 at this College .

*Dr. V. M.*

**PRINCIPAL**  
TTWR Degree College (M)  
College Code 3391 (P.U.)  
Nagarkurnool-509 209

*[Signature]*  
Yours faithfully  
TSWRDC(w)  
PRINCIPAL  
Nagarkurnool  
T.S. Welfare Degree College (Women)  
NAGARKURNOOL-509 209.



## EXTENSION LECTURE

Date : 13 Feb 2023

Today 13-02-2023, we Mathematics department has invited an Extension guest lecture "B.SHIVA PRASAD" GDL in MATHEMATICS from NAGARKARNOOL, for this Accademic year 2023-2024. He explained on the topic "DIFFERENTIAL EQUATIONS" for MPC & MPCs-I yr.

He explained very well with live examples and applied formulas. All the students satisfied.

MATHEMATICS DEPARTMENT .

A.SUDHA RANI

G.ANITHA

D.CHANDANA

PRINCIPAL

  
Principal  
TTWR DEGREE COLLEGE (WOMEN)  
Shadnagar, R.R Dist-509215

  
PRINCIPAL  
TTWR Degree College (M)  
College Code 3301 (P.U.)  
Nagarkurnool-509 209

