TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

(Affiliated to Mahatma Gandhi University, Nalgonda)

DEPARTMENT OF MATHEMATICS

BRIDGE COURSE SYLLABUS

Dept. of Mathematics   **Principal**

M. SunithaSukka Suneela

Vijaya Lakshmi SinghTTWRDCW SURYAPET

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

Department of Mathematics

BRIDGE COURSE

Academic Year 2023 – 2024

From the academic year 2023 - 2024,**TTWREI Society**, has started **"BRIDGE COURSE"**, a coaching to the newly admitted I-year students to boost the basic skills of students in English and Mathematics.

Objective of bridge course

A bridge course for newly admitted students is conducted every year before the commencement of the first semester classes. The main objective of the course is to bridge the gap between subjects studied at Pre-university level and subjects they would be studying in Graduation.

Name of the Dealing Faculty:M. Sunitha, DL in Mathematics

Vijayalakshmi Singh, DL in Mathematics

Duration: 10 Days(**17/08/2023 to 28/08/2023**)

CONTENT:

Basic Introduction

1. Number System
2. Set Theory and Relation

3. Functions

4. Limits and Continuity

5. Derivatives

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

Department of Mathematics

BRIDGE COURSE

Academic Year 2022 - 2023

From the academic year 2022 – 2023, **TTWREI Society**, has started **"BRIDGE COURSE",** a coaching to the newly admitted I-year students to boost the basic skills of students in English and Mathematics.

Name of the Dealing faculty: 1.M. SunithaDL in Mathematics

2. Vijaya Lakshmi Singh DL in Mathematics

Duration: 10 days (17/10/2022 to 27/10/2022)

Bridge course Syllabus:

1. Number System
2. Set theory and Relations
3. Abstract Algebra
4. Matrices
5. Functions
6. Limits and Continuity
7. Derivatives
8. Indefinite Integration
9. Differential Equation
10. Scientific Calculator

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

Department of Mathematics

BRIDGE COURSE

Academic Year - 2021 – 2022

← circular bridge course

Office of the Secretary,
TTWREIS (Gurukulam),
1st floor, DSS Bhavan,
MasabTank, Hyderabad

CIRCULAR

Rc.No:C/101324/RDC/ACAD/2021   Dt: 21.10.2021

Sub: TTWREIS-RDC: Conducting   Bridge Course for all the First Year Degree students (2021-22) in all (22)   RDCs at College level -Enriching Basic English &Mathematics -reg-

Ref: 1. Bridge Course conducted last year.

****

The Govt. of Telangana has established (22) TTWRDC with the motto of providing HE and given lifelong learning skills to tribal students from the academic year 2017-18. Further, in a span of four years most of our students have shown outstanding performance both academically and in other activities also.

Bridge course is one among the best programs which is valuable to confer fundamental information in students that will be helpful to them.

Accordingly Gurukulam has been conducting Bridge Course to the Degree First year students of RDCs every year.

This year also, it is decided to conduct Bridge Course program for the Degree First year students (2021-22) of all our (22) RDCs to empower them with basic English /Communication skills & basic mathematics/arithmetic with the help of our faculty members of TTWRDCs at college level without incurring any expenditure.

As part of this a ten day program is   designed withBasic English/ Communication skills & basic mathematics/arithmetic as given below.

S.No	Date	Basic English (Time oneand half hour)	Basic mathematics/Arithmetic(Time one and half hour)
			Bridge program Schedule for I year Degree Students 2021-22
1	Day 1 25.10.2021	Parts of speech	Number system (Natural numbers to Real numbers), Even and Odd numbers, Prime, Co-prime and relatively prime numbers
2	Day 2 26.10.2021	Articles	Fundamental operations, LCM and HCF
3	Day 3 27.10.2021	Punctuation	Fractions and Decimals, Applying BODMAS rule for Mathematical operations
4	Day 4 28.10.2021	Concord	Ratio and proportion, Profit and loss,Percentage & partnership
5	Day 5 29.10.2021	Tenses	Simple and Compound interest, Averages, Time and work
6	Day 6 30.10.2021	Root words, Prefixes &suffixes	Time and Distances, Menstruation, Linear Equations of single and two variables
7	Day 7 01.11.2021	1. Correction of sentences 2.Commonly misspelt words	Solving Linear Equations and Linear equations, Algebra formula application Ex:$(a+b)2$, $(a-b)2$, $(a+b)3$... etc
8	Day 8 02.11.2021	Writing correspondence (Letters, emails, etc)	Factorization, Polynomials, Solving Quadratic equations and in equations
9	Day 9 03.11.2021	Communication skills (Reading & Writing skills)	Basics of Plane Geometry, 1. Lines and angles, 2. Triangles and quadrilaterals, 3. Polygons
10	Day10 05.11.2021	Communication skills (Listening & Speaking skills)	1. Curves, 2. Surface area, 3.Volume

Grand test on 06.11.2021

Certain directions are issued to the principals to conduct the said program.

a. The program should be conducted at college level for period of (10) days from 25.10.2021.
b. All the first year students will be divided into batches (each batch with (50) students) and accordingly timetable has to be prepared including regular academics.
c. The Principal has to identify the Internal faculty of the college to teach arithmetic & English and identified English & Mathematics faculty of respective college has to take classes daily from 2 p.m-5 p.m or 10 am -1 pm & 2 p.m-5 p.m if more than (02) batches are formed.
d. Each lecturer needs to teach one hour and should make the students practice worksheet in the next half an hour.(for one batch)
e. Each Student will be given worksheets (10) in each subject for practice purpose.
f. The faculty will have to conduct a grand test soon after completion of the program.
g. During the study hours the students need to practice the arithmetic problems and need to improve their communication skills. Principals have to monitor the entire program and should make it a grand success.

Further each identified faculty who will take bridge course classes will be given appreciation certificate by the principals after completion of program.

Note: Day wise practice sheets will have to be prepared by concerned faculty at college level only.
Grand test question papers will be sent from Head office one day in advance.

Sd/-
REGISTRAR &
Addl. Secretary
TTWREIS

B S
21.10.21
Deputy Secretary (DC)

To

Principals of TTWRDCs in the state for necessary action.
RCs in the state for information.

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

Department of Mathematics

BRIDGE COURSE

Academic Year - 2021 – 2022

From the academic year 2021 - 2022, **TTWREI Society**, has started **"BRIDGE COURSE"**, a coaching to the newly admitted I-year students to boost the basic skills of students in English and Mathematics.

Name the firm offering Bridge course:

RDC at college level enriching basis English and Mathematics faculty

Name of the faculty: 1. M. Sunitha DL in mathematics

2. Vijaya Lakshmi Singh DL in mathematics

Duration:10 days (Date: 25/10/2021 to 05/11/2021)

Syllabus:

Sl.No	Day	Basic Mathematics / Arithmetic
1	Day 1	Number System (Natural Numbers to Real numbers) Even and Odd numbers, prime, co-prime and relative prime numbers
2	Day 2	Fundamental operational, LCM and HCF
3	Day 3	Fractions and Decimals, Applying BODMAS rule for Mathematics operations
4	Day 4	Ratio and Proportion, Profit and Loss, Percentages and Partnership.
5	Day 5	Simple and Compound interest, Averages, Time and Work
6	Day 6	Time and Distance, Menstruation, Linear Equations of single and two variables.
7	Day 7	Solving Linear equations and linear equations Algebra formula applications Ex: $(a + b)$, $(a - b)$, $(a + b)$ ……. etc.
8	Day 8	Factorization, Polynomials, Solving Quadratics equations and in equations
9	Day 9	Basics of plane Geometry: 1. Lines and Angle 2. Triangles and Quadrilaterals 3. Polygons
10	Day 10	1. Curves 2. Surface Area 3. Volume

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

Department of Mathematics

BRIDGE COURSE

Academic Year 2019 – 2020

O/o the Secretary,
TTWREIS (Gurukulam),
1st floor, DSS Bhavan,
Masab Tank, Hyderabad

Circular

Rc.No. **2962** /TTWRDC/2019   Dt:17.08.2019

Sub: TTWREIS-TTWRDC- **"Bridge Programme"** by M/s Catalyst Human Capital Services training for (22) TTWR Degree CollegesI year students- circular instruction-Reg.

Ref: 1. Proposals of M/s Catalyst Human Capital Services, Dt: 04.05.2019 Hyderabad.
2. Note Approval of the Secretary 02.08.2019

*****

In the reference 1st and 2nd cited, TTWREIS, Gurukulam has decided to conduct **"Bridge Programme"** at (22)TTWR Degree Colleges for a period of six **(6) days** staring from 19.08.2019 to 15.10.2019 in collaboration with the by M/s Catalyst Human Capital Services. The M/s Catalyst Human Capital Services will provide the material to all the students who undergo the training programme.

In this regard the Principals of Tribal Degree colleges are directed to divide the first year in to batches, limiting the strength in each batch 40 to 50 students and conduct the "Bridge Programme" to improve their communication skills for above said period, not exceeding batches mentioned in the annexure.

The principals are instructed to provide Food and accommodation facility to the trainers at the Venues. Men trainer if any need not be accommodated in women colleges. The cost for the said programme is as mentioned by the M/s Catalyst Human Capital Services below.

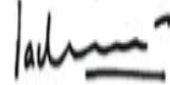| S.No	Amount to be paid per Batch	Total
1	Per each batch is Rs. 15,000/- + GST18%(Rs.2,700) = Rs.17,700 = 00	Rs. 17,700 = 00

The Principals are instructed to release 40 % of the total amount ie.,(Rs.17,700/- X no.of batch) on day one as an advance and balance 60% after Successful completion of the programme by issue Cheque to Catalyst Human

Capital Services, Account no: 000711010003860 IFS Code: HDFC0CTMUCB, The

Malkapur Urban CO - OP. Bank Ltd.Gulmandi branch, Aurangabad.

All principals of TTWRDCs should send a feed back of the programme after completion of the above said programme.

Sd/-

Secretary

Dy. Secretary(DC)

Copy To

All Principals of TTWRDCs in the state, for taking necessary action

Dy.Secretary(Accts.) for information.

TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE FOR WOMEN (TTWRDCW) SURYAPET

Department of Mathematics

BRIDGE COURSE

Academic Year 2019 – 2020

From the academic year 2019 – 2020, **TTWREI Society**, has started **"BRIDGE COURSE"**, a coaching to the newly admitted I-year students to boost the basic skills of students in English and Mathematics.

Name of the firm offering Bridge course:

M/s catalyst Human Capital services

Date: **19/08/2019 to 15/10/2019**

Duration: 15 days

Syllabus:

1. Number System
2. Fundamental Operations
3. Fractions and Decimals
4. Ratio and Proportion
5. Simple and Compound Interest
6. Time and Distance, Menstruation, Linear
7. Solving Linear Equations
8. Factorizations, Polynomials
9. Basics of Plane Geometry
10. Curves, Area, Volume