



Bharatiya Vidya  
**Bhavan**

# DBT Star College Scheme

Department of Mathematics and Statistics

2022-23

# **New Practical's introduced in Dept. supported under the scheme (2022-23)**

## ***Practicals in Machine Learning using Python: 06***

- *Computation of Decision Tree Analysis Using Python.*
- *Computation of Naive Bayes Classification Analysis Using Python.*
- *Computation of K -Nearest Neighbor Classifier Using Python.*
- *Computation of Support Vector Machine Analysis Using Python.*
- *Computation of Artificial Neural Network Analysis Using Python.*
- *Computation of Cluster Analysis Using Python.*

## ***Practicals in Predictive Analytics using SPSS: 10***

- *Computation of Multiple Regression Analysis.*
- *Computation of Binary Regression Analysis.*
- *Computation of Logistic Regression Analysis.*
- *Computation of Method of Moving Average.*
- *Computation of ACF and PACF plots.*
- *Computation of Autoregressive Process (p).*
- *Computation of Moving Average Process(q).*
- *Computation of Autoregressive Moving Average Process (p, q).*
- *Computation of ARIMA (p,d,q).*
- *Computation of GARCH.*

## Publications of Faculty (2022-23)

### Patents

- No. of patents published : 04

### Papers

- No. of Papers published in Scopus: 14
- No. of Papers published in Web of Science : 05

### Books

- No. Of Book chapters published: 06
- No. of Text books published : 10

### Training

- No. of faculty received training : 28

## Programmes Conducted by Department(2022-23)

S.NO	Name of the Event	Date	No of beneficiaries	Nature of beneficiaries
1	Poster Presentation- Role of Mathematics in Biological Sciences	09/02/2023	9	Undergraduate Students from BVC college and other colleges participated in the poster presentation
2	Antakshari in Mathematics	09/02/2023	43	Undergraduate Students from BVC college and other colleges participated
3	Case Study Analysis	09/02/2023	28	Undergraduate Students from BVC college and other colleges participated
4	Statistics in Data Analytics - Power Point Presentations	09/02/2023	28	Undergraduate Students from BVC college and other colleges participated
5	Quiz for school students	17/12/2022	20	High school students
6	Quiz of the National level quiz online	22/12/2022	551	Undergraduate Students from BVC college and other colleges participated

S. No	Course/Activity	Dates/ Duration	Title of Program Theme/Topic/	Details of Activity/ Speaker/Resource Person	No of beneficiaries	Nature of beneficiaries
1	Value Added Course/Skill Based Training	15 <sup>th</sup> February - 4 <sup>th</sup> March 2023	Basics of Statistics Using R	Dr. V. Selva Kumar, Asst. Professor, BVC Dr. P. Rajini, Asst. Professor, BVC Dr. N. Chandan Babu, Asst. Professor, BVC	47	B.SC Physical Science students
2	Value Added Course/Skill Based Training	2 <sup>nd</sup> -31 <sup>st</sup> January 2023	Basics of MATLAB	Resource person Dr. SATISH KUMAR Deevi Associate ProfessorKL University	30	B.SC Physical Science students

## Students Achievements (2022-23)

No. of  
students  
Presented  
papers in  
National and  
International  
Camp

**14**

No. of  
students  
Published  
Book  
chapter

**02**

No. of  
students  
Published  
Papers in  
UGC Care

**01**

No. of  
Projects

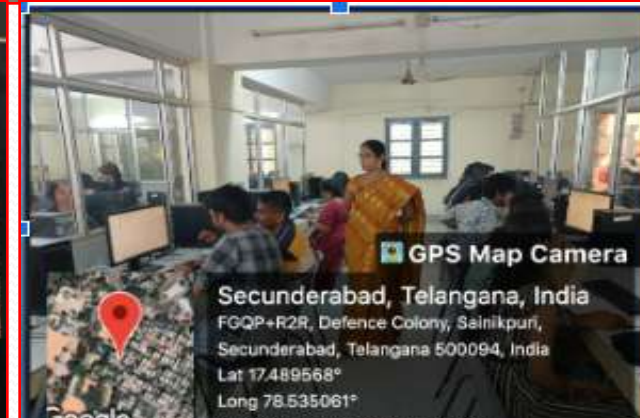
**78**

## Outreach activities (2022-23)

S. No	Theme of the Programme	Venue of the Event	Target Audience	No of Participants	Resource persons	Date of the Event
1	Gyanaprajwalam - Outreach Programme as part of Cluster College	IT Block	High School students from 10 different schools	60	Departments of Life Sciences and Physical Sciences of our College conducted the event.	17/12/2022
2	Outreach Program	ZPHS Cheeriyal, ZPHS Bhogaram, ZPHS Rampally, ZPHS Nagaram, ZPHS Keesara, VignanGobal Gen High school	IX and X Class Students	8 students from BVC	Faculty Members: Mrs. G. S. Mini, Dr. P. Rajini, Mrs. Santi Rohit Rao, Dr. N. Chandan Babu, Ms. G. Lakshmi Harini, Ms. Chandana , Mr. Shreesh V Deshpande, Ms T. Shravani Students: Rohith Kumar, Ajay Kumar	26/11/2022 - 30/11/2022

# Invited lectures

S. No	Name	Designation	Host Institute	Date	No. of beneficiaries	Nature of beneficiaries
1.	Seminar on Unlocking a rewarding career in Data Science and Analytics	Amar Vajjhala, Adjunct Instructor Dr.Saptrarshi Das, Energy and AI Industry Leader, Data Science R & D Manager.  Palash Pal Data Scientist, UNP  Abhishek Singh MD & Talent Acquisition Head	Co-Founder, Work save Tech.  New York University,	11.10.2022	100	Students of B.SC MSCs ,HDS of Physical Sciences



**BHAVAN'S VIVEKANANDA COLLEGE**  
 of Science, Humanities & Commerce  
 National Council of Educational Research and Training  
 Affiliated to JNTU, Hyderabad

**Value Added Course**  
 under  
 Cluster College Program  
 organized by  
 Department of Mathematics & Statistics

**Basis of Mathematics Using R**  
 from 8:30 pm to 9:30 pm

**COURSE DURATION - 80 HOURS**  
 (40 x 20 SLOTS)

**Abstract the Course:**  
 The value added course on Applications of R with data analytics to understand the various aspects of Statistics. Participants will get hands on training on R programming and its applications.

**Registration Area: Click here**  
[https://www.bvc.ac.in/](#)

**R Programming**

**RESOURCE PERSONS**

 Dr. V. SIVA SANKAR Assistant Professor	 Dr. ARUN RAJAN Assistant Professor	 Dr. K. SURESH BABU Assistant Professor
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**Platform Teams**

 Dr. S. JAYASUDHAN Assistant Professor & Researcher	 Dr. K. SURESH BABU Assistant Professor	 Dr. U. S. SIVA Head of Department & Researcher
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# DBT Star College Scheme

## Department of Mathematics and Statistics

### 2023-24

No. Of Guest Lectures organized : 04

Organized Quiz in Linear Algebra for B.SC III Yr

Organized Math Grill Competition for all Physical Science students

- On going 30 Hour Skill based training in MATLAB in association with Soft Logic Systems Pvt. Ltd

6 Students have Presented Papers in International Conference



# BHAVAN'S VIVEKANANDA COLLEGE

of Science, Humanities & Commerce

Sainikpuri, Secunderabad, Telangana - 500094

Autonomous College - Affiliated to O.U.

Reaccredited with 'A' grade by NAAC



Department of Mathematics & Statistics

is organizing  
**TALK ON**

## “HIGHER EDUCATION IN MATHEMATICS” Under DBT Star College Scheme

### Resource Person

J.V. Chandra Mohan

Director, ERUDITE Coaching Centre



Venue: Room No. 71

Date: 14th December, 2023

Time: 2:30 Pm to 4:30 Pm

Target group: B.Sc (Physical Sciences) Students.

### Coordinators

Ms. P. Krishnaveni  
8897503555

Ms. K.Chandana  
8464864667

Ms. G.S. Mini  
Head, Department of  
Mathematics & Statistics  
9848022442



GPS Map Camera

Secunderabad, Telangana, India

FGCM+JJ6, New Kranthi Nagar, Sainikpuri, Secunderabad, Telangana 500094, India

Lat 17.489123°

Long 78.53393°

22/12/23 02:54 PM GMT +05:30

Google



GPS Map Camera

Secunderabad, Telangana, India

MBABlock, BHAVAN'S VIVEKANANDA COLLEGE, New Kranthi Nagar, Sainikpuri,

Secunderabad, Telangana 500094, India

Lat 17.489132°

Long 78.533904°

20/12/23 04:18 PM GMT +05:30

Google



GPS Map Camera

Secunderabad, Telangana, India

FGQP+R2R, Defence Colony, Sainikpuri, Secunderabad, Telangana 500094, India

Lat 17.4897°

Long 78.535104°





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## Mathematics Day Celebrations-2023

Department of Mathematics & Statistics  
is organizing  
Online Quiz in



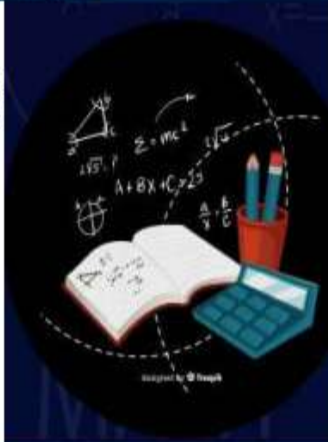
## Linear Algebra

Under DBT Star College Scheme  
13th December, 2023  
from 3:30 pm to 5 pm

As part of Mathematics day celebrations commemorating the Birth Anniversary of Shri Srinivasa Ramanujan the department is organizing a quiz.

Target group: B.Sc Physical Sciences Final year Students.

Individual Event - online



### Coordinators

Ms. Sauti Rohit Rao  
9160069998

Ms. P. Krishnaveni  
8897503555

Ms. G.S. Mini  
Head, Department of  
Mathematics & Statistics  
9848022442



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## Mathematics Day Celebrations

UNDER DBT STAR COLLEGE SCHEME

22.12.2023

GUEST LECTURE  
ON  
CONTRIBUTION OF SRINIVASA RAMANUJAN



BY  
**Retd. Prof. K. Satyanarayana**  
Dept. of Mathematics O.U.

Organized by  
Department of  
Mathematics and Statistics

Time: 2:30pm  
Venue: 208 MBA Block  
Head Of The Department  
Ms. G.S. Mini  
9848022442  
Faculty Coordinators  
Ms. P. Krishnaveni  
Ms. Sauti Rohit Rao



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DEPARTMENT OF MATHEMATICS & STATISTICS

UNDER DBT STAR COLLEGE SCHEME  
IS ORGANIZING

## E-POSTER



## Competition

DATE : 18 TH DECEMBER

TIME: FROM 2 :30PM

PLATFORM: TEAMS

CLICK  
HERE  
TO  
REGISTER

"WITHOUT MATHEMATICS, THERE'S NOTHING YOU CAN DO. EVERYTHING  
AROUND YOU IS MATHEMATICS. EVERYTHING AROUND YOU IS NUMBERS."

Ms.G.S.Mini  
Head,Department  
of Mathematics & Statistics  
9848022442

### COORDINATORS

Ms. G. Lakshmi Harini  
Ms. K.Chandana