

**Department of Mathematics**  
**Academic Year 2019 - 2020**  
**Problem Solving Session I - Putnam Problems**  
**Date: 29.05.2020**



**SRI G.V.G VISALAKSHI COLLEGE FOR WOMEN**

**(Autonomous)**

**Accredited at A+ grade by NAAC (4<sup>th</sup> cycle)**

**An ISO 9001:2015 Certified Institution**

**Udumalpet 643128**



**DEPARTMENT OF MATHEMATICS**

**Students Learning Webinar Series**

**Problem Solving Session I - Putnam Problems**

**29<sup>th</sup> May, 2020 at 4.00 p.m.**

**Resource Person**



**Dr. K.S. Vidhya**

**Assistant Professor,**

**Department of Mathematics,**

**Kumaraguru College of Liberal Arts and Science,**

**Coimbatore.**

**Registration Link: <https://forms.gle/EGKCXYKcqbABrWfL7>**

**Mode: Zoom**

- ▲ No Registration Fee
- ▲ E-certificate will be provided

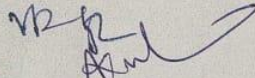
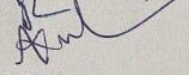
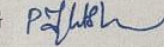
*Nothing stops the Teaching - Learning*



Sri G.V.G Visalakshi College for Women, Udumalpet  
Department of Mathematics

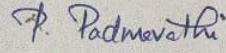
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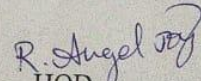
Date: 26.05.2020

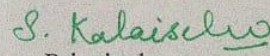
To enhance the knowledge of the students the department has planned for a programme on Problem Solving Session I-Putnam Problems & solutions, is scheduled for 29.05.2020. We kindly ask that every student take an active part in this program.

I UG   
II UG   
III UG 

I PG   
II PG 

  
Co-ordinator

  
HOD

  
Principal

| S.No. | Topic & Date  | Resource Person   | no. of Participants |
|-------|---|---|---------------------|
| 1     | Awareness of Trends in Technology - Teaching, Learning & Evaluation - Mrs. Google Class Room - 13.5.2020                          | Dr. M. Kaliamorthy, Associate Professor of IIT, and Technologists, Pollachi   | 173                 |
| 2     | Capacity Development Programme in Teaching Mathematics - Puzay, Mathematical Models in Applied Sciences - 18.05.2020              | Dr. T. Chandramathi, Associate Professor of Mathematics, P.A. College of Engineering & Technology, Pollachi             | 147                 |
| 3     | Capacity Development Programme in Teaching Mathematics - Application of Differential Equations in Heat Transfer Logg - 19.5.2020  | Dr. Deepathi, Associate Professor of Mechanical Engineering, Marudaya College of Engineering and Technology, Coimbatore | 147                 |
| 4     | Soft Skills Enhancement Programme - Solution of Simple AC & DC Circuits using system of equations and matrix methods - 27.05.2020 | Dr. R. Subramanian, Director, Knowledge Park, Tech, Research and Project Consultancy Services, Chennai                  | 152                 |
| 5     | Soft Skills Enhancement Programme - Problem Solving Series I - Putnam Problems - 29.05.2020                                       | Dr. K. S. Vidhya, Assistant Professor of Mathematics, Kumarakrishnan College of Liberal Arts & Science, Coimbatore      | 179                 |
| 6     | Soft Skills Enhancement Programme - Problem Solving Series II - Putnam Problems - 06.06.2020                                      | Dr. K. S. Vidhya, Assistant Professor of Mathematics, Kumarakrishnan College of Liberal Arts & Science, Coimbatore      | 147                 |

DBT Co-ordinator: P. Pedraiah

S. Kalaiselvan  
Principal  
SRI GYO VISWAKSAMI COLLEGE  
FOR WOMEN (AUTONOMOUS)  
VENKATESA HILLS (POST),  
UDUMALPET - 642 128.



**Faculty Profile**

**A. General Information**

|    |  |   |
|----|--|---|
| 1  | Name   | Vidhya K.S. M.Sc., M.Phil., Ph.d                        |
| 2  | Designation                                  | Assistant Professor                                     |
| 3  | Department                                   | Mathematics (SF)  |
| 4  | Date of Birth                                | 10.12.1981  |
| 5  | Residential Address                          | 24/77, SNR Nagar, Udumalpet. 642126.                    |
| 6  | Contact Number                               | +91 994291486   |
| 7  | Mail id                                      | vidhyaks.math@gmail.com                                 |
| 8  | Date of Appointment<br>i) In the Institution | 18.06.2018  |
|    | ii) To the present post                      | 06.02.2019  |
| 9  | Area of Specialization                       | Fractional differential equations – Numerical solutions |
| 10 | Category (SC/ST/OBC/PWD/General)             | General   |

**B. Academic Qualifications**

| Exam Passed     | Board / University                               | Subject               | Year of passing | Division/Grade / Merit       |
|-----------------|--|-----------------------|-----------------|------------------------------|
| Graduation      | Sri GVG Visalakshi College for Women, Udumalpet. | Mathematics           | 2002            | First class with Distinction |
| Post-Graduation | Sri GVG Visalakshi College for Women, Udumalpet. | Mathematics           | 2004            | First class                  |
| Pre -Doctoral   |  |                       |                 |                              |
| Doctoral        | Mississippi State University, USA                | Mathematical Sciences | 2016            | 3.91/4 GPA                   |

**C. Teaching Experience**

| Name of the Institution                         | Experience in years |          |
|---|---------------------|----------|
|   | UG                  | PG       |
| Sri GVG Visalakshi College for Women, Udumalpet | 8 months            | 5 months |
| Mississippi State University, USA               | 6.5 years           | -        |

**D. Teaching - Courses taught (2013 – 2019):**

| Classes | Name of the Courses [Without repetition]  |           |
|---------|---|-----------|
|         | Lecture   | Practical |
| UG      | College Algebra, Trigonometry, Business calculus, Linear Algebra, Abstract Algebra, Real Analysis, Operations Research. |           |
| PG      | Ordinary Differential Equations, Mathematical Modelling   |           |

**E. Details of Seminars, Conferences, Symposia, Workshops etc.(2013 – 2019) Attended**

| Seminars |          |      | Conferences |          |      | Symposia |          |      | Workshops |          |      |
|----------|----------|------|-------------|----------|------|----------|----------|------|-----------|----------|------|
| State    | National | Intl | State       | National | Intl | State    | National | Intl | State     | National | Intl |
|          |          |      |             |          | 2    |          |          | 1    |           |          |      |

**F. Research and Academic Contributions**

**i. Research Publications (Refereed) (till 2019)**

| Category    | Number of Publications | Average Impact factor | i10 index | h index |
|-------------|------------------------|-----------------------|-----------|---------|
| UGC listed  |                        |                       |           |         |
| SCI/SCIE    |                        |                       |           |         |
| Scopus      | 2                      | 1.7225                |           |         |
| Proceedings |                        |                       |           |         |

**ii. Peer Reviewing of Papers / Evaluation of Project Report**

|   |  |
|---|--|
| For Refereed Journals                       |  |
| Conference proceedings as full papers, etc. | 10 <sup>th</sup> DECS Conference Proceedings -2014 |
| Evaluation of Project Report                |  |
| Evaluation of Project Proposals             |  |

**G. Award / Honours / Recognitions**

|  |   |
|--|---|
| International level honour / recognition / award |   |
| National level honour / recognition / award      |   |
| State level honour / recognition / award         | <p>* Outstanding Graduate Teaching Assistant Award – Mississippi State University, 2011 and 2014.</p> <p>* Nominated for Donald Zacharias Teaching Assistant of the Year Award, Mississippi State University, 2011.</p> |

**H. Details of Innovations / Contributions in**

|   |  |
|---|--|
| a) Design of curriculum   |  |
| b) Teaching methods   | Group learning, learn by teaching, Book end model.   |
| c) ICT Tools  | Showing you tube videos and PPTs using the smart TV available in the gallery room. Assignments done in Camu website. |
| d) Evaluation methods   | Camu website.  |
| e) Preparation of resource materials including books reading materials, laboratory manuals etc. |  |

|              |   |
|--------------|---|
| g) Any other | Health awareness for keeping mind sharp |
|--------------|---|

**I. Collaboration**

| Purpose   | Agency/ Individual /Institution       | Date                   | Duration |
|-----------|---------------------------------------|------------------------|----------|
| Till Date | Dr. Lakshmi K. Sankar<br>IIT Palakkad | Aug 2017 –<br>Dec 2017 | 4 months |
| 2013-2019 |                                       |                        |          |

**Sri G.V.G Visalakshi College for Women, Udumalpet**

**Academic Year 20220 – 2021**

**Department of Mathematics**

**Problem Solving Session I–Putnam Problems & solutions**

Date: 29.05.2020

**Participants List**

| S.No | Class                  | No. of Students |
|------|------------------------|-----------------|
| 1    | I B.Sc Maths ( A) & SF | 26              |
| 2    | II B.Sc Maths          | 45              |
| 3    | III B.Sc Maths         | 49              |
| 4    | I M.Sc Maths           | 30              |
| 5    | II M.Sc Maths          | 29              |

*P. Padmavathi*  
Coordinator

*R. Angelraj*  
HoD