



# Dr. N.G.P. ARTS AND SCIENCE COLLEGE

An Autonomous Institution Affiliated to Bharathiar University

Re - Accredited by NAAC with 'A' Grade

COIMBATORE - 641 048

News Letter 2016-17

## DEPARTMENT OF MATHEMATICS

"The essence of Mathematics is not to make simple things complicated, but to make complicated things simple."

### VISION

To create a new learning environment which will encourage the Mathematical intelligence.

To use the Mathematical knowledge for problem solving and exploring the subjects by using multiple representations of the Mathematical content.

### MISSION

To motivate the students in upgrading their interest in contemporary Mathematical techniques.

To strengthen the students analytical abilities in the field of Mathematics.

### BRIDGE COURSE

The Bridge course was held for Non-Mathematics students of 1st year UG from other discipline (science students) between 20<sup>th</sup> to 22<sup>nd</sup> June 2016.

### REMEDIAL COURSE

The Remedial course for our students with arrear papers in odd semester was held during 4<sup>th</sup> July to 30<sup>th</sup> September 2016 from 3.45 pm to 4.45 pm and for the even semester the course was held during 3<sup>rd</sup> January to 8<sup>th</sup> April 2017.

Chief Patrons

**Dr. Nalla G Palaniswami**

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**Dr. K. Durairaj**

Vice Principal

Editors

**Mr. D. Rameshkumar**

Assistant Professor

Department of Mathematics

**Mrs. M. Lavanya**

Assistant Professor

Department of Mathematics





## FACULTY PUBLICATIONS

- » P. Malarvizhi, P.Kousalya has published a paper entitled "A New Techniques for Finding Initial Basic Feasible Solution to Transportation Problem" International journal of engineering and management research, 22500758.
- » P.Malarvizhi, P.Kousalya has published a paper entitled "A Novel Producer for Finding Initial Basic Feasible Solution to Vogel's Approximation Method" Indian journal of applied research, 2249555X (IF:3.919).
- » M.Sandhya has published a paper entitled "Tangles and Connectivity in Graphs" Indian journal of applied research, 2349-4689.
- » S. Eswaramoorthi has published a paper entitled "Effects on viscoelastic boundary layer flow over a stretching surface with convective boundary condition with radiation and chemical reaction", Scientia Iranica B, (2016), 23(6), 2575-2586.

## SEMINARS PARTICIPATED/PAPERS PRESENTED BY THE FACULTY

- » Dr.R.Sowrirajan has participated in International Conference on "Differential Equations and Applications" held during 15<sup>th</sup> & 16<sup>th</sup> March 2017 at Bharathiar University, Coimbatore.
- » P.Kousalya and M.Sandhya has participated in Workshop "Recent trends in Graph Theory" held on 4th Aug 2016 at Navarasam Arts and Science College for Women, Erode.
- » S.Manimekalai, R.Anandhi, M.Lavanya, P.Kousalya and M.Sandhya has participated in International Symposium on "Neoteric Notion in Algebra(NNA)" held on 21<sup>st</sup> Sep 2016 at Nandha Arts and Science College for Women, Erode.
- » S.Manimekalai and M.Lavanya has participated in Faculty Development Program on "Balancing Work and Family as a Career Women" held on 29<sup>th</sup> Sep 2016 at Dr.N.G.P ASC, Coimbatore.
- » D.Ramesh kumar has participated in Workshop & Conference on "Statistical Methods in Finance" held on 19<sup>th</sup> Dec 2016 to 22<sup>nd</sup> 2016 at Indian statistical Institute and Chennai Mathematical Institute, Chennai.

- » S.Manimekalai has participated in International Conference on "Emerging Trends in Topology and Applications of Analysis" held on 10<sup>th</sup> Feb 2017 at Kongu Arts and Science College, Erode.
- » N.Geetha has participated in Workshop "Capacity Building Mathematics" held during 9<sup>th</sup> and 10<sup>th</sup> March 2017 at Bharathiar University, Coimbatore.
- » M.Sandhya has participated in National Seminar on "Some Recent Research Directions in Graph Theory" held on 10<sup>th</sup> March 2017 at Ayya Nadar Janaki Ammal College, Sivakasi.
- » P.Kousalya has presented a paper in International Conference entitled "Natural Convection Heat Transfer of Alumina-Water Nanofluid Invertical Square Enclosures" held on 3<sup>rd</sup> Sep 2016 at Bharathidasan College of Arts Science, Erode.
- » M. Lavanya has presented a paper in International Conference entitled "Properties of K - Quasi normal operators" held on 3<sup>rd</sup> Sep 2016 at Bharathidasan College of Arts Science, Erode.
- » P. Malarvizhi has presented a paper in International Conference entitled "Properties of n-power Hypo normal and n-power Quasi normal operators" held on 3<sup>rd</sup> Sep 2016 at Bharathidasan College of Arts Science, Erode.
- » S.Manimekalai has presented a paper in International Conference entitled "Windmill and Friendship Two Graph in Route Mapping" held on 3<sup>rd</sup> Sep 2016 at Bharathidasan College of Arts Science, Erode.
- » M.Sandhya has presented a paper in International Conference entitled "Discrepancy and Eigen Values of Cayley" held on 3<sup>rd</sup> Sep 2016 at Bharathidasan College of Arts Science, Erode.
- » P.Malarvizhi has presented a paper in National Seminar entitled "Survey Research in Operations Management A Process-Based Perspective" held on 23<sup>rd</sup> Sep 2016 at Maharaja co-Education Arts and Science College, Perunthuri.
- » P.Kousalya has presented a paper in National Seminar entitled "Natural Convection Flows in a Square Cavity with Linearly" held on 23<sup>rd</sup> Sep 2016 at Maharaja co-Education Arts and Science College, Perunthuri..
- » N.Geetha has presented a paper in National Seminar



entitled "Oscillatory and Asymptotic Behaviour of Higher Order Differential Equations" held on 23<sup>rd</sup> Sep 2016 at Maharaja co-Education Arts And Science College, Perunthuri..

- » M.Sandhya has presented a paper in National Seminar entitled "On Total 9-Coloring Planar Graphs of Maximum Degree Seven" held on 23<sup>rd</sup> Sep 2016 at Maharaja Co-Education Arts And Science College, Perunthuri.
- » S. Eswaramoorthi, has presented a paper in National Conference entitled "MHD mixed convective boundary layer flow of a viscoelastic nanofluid over a stretching surface in a porous medium with heat generation", held during 11<sup>th</sup> & 12<sup>th</sup> Dec 2016 at VIT University, Vellore.
- » S.Manimekalai and M.Sandhya has presented a paper in National Conference entitled "Network And its Applications in Graph Theory" held on 9<sup>th</sup> Feb 2017 at Vellalar College for Women, Erode.
- » M.Sandhya has presented a paper in National Conference entitled "A Study on Coloring the Square of a Planar Graph" held on 10<sup>th</sup> Feb 2017 at Kongu Arts And Science College, Erode.
- » M.Sandhya has presented a paper in National Conference entitled "Intersection of Longest Paths in Graph Theory and Predicting Performance in Facial Ecognition" held during 16<sup>th</sup> to 18<sup>th</sup> Feb 2017 at Jyoti Nivas College, Bangalore.

#### **FACULTY ONLINE COURSES**

- » The Faculty Members of the department have Completed 15 Online Course during 2016-2017.

#### **MEMBERSHIPS IN PROFESSIONAL BODIES**

- » Mrs.S.Manimekalai, Mrs.R.Anandhi and Mrs. P.Malarvizhi have joined as life time members in "The Association of Mathematics Teachers of India (AMTI)".

#### **SEMINARS PARTICIPATED/PAPERS PRESENTED BY THE STUDENTS**

- » A.Rajalakshmi and S.Anumeena of II. B.Sc. Maths have participated in Summer School in Mathematics to the Memory of S.S.Pillai at Thiruvalluvar Govt. Arts College, Rasipuram sponsored by National Board for

Higher Mathematics(NBHM) in an Inter Collegiate Meet held during 10<sup>th</sup> -21<sup>st</sup> Aug 2016.

- » R.K.Saranya and S.Mythili of II. B.Sc. Maths have participated in Winter School in Mathematics to the Memory of SMS at Central University of Tamil Nadu, Thiruvavur sponsored by National Board for Higher Mathematics(NBHM) in an Inter Collegiate Meet held during 4<sup>th</sup> -24<sup>th</sup> Dec 2016.
- » S.Pavithra and T.Ranju of II M.Sc. Maths have participated in 5<sup>th</sup> SERC School on Nonlinear Dynamics at PSG College of Technology,Coimbatore, in an Inter Collegiate Meet held during 1<sup>st</sup> -21<sup>st</sup> Dec 2016.
- » M.Gokulapriya and S.Anumeena of II. B.Sc. has presented a paper in National Conference entitled "Recent Trends in Mathematics" held on 30<sup>th</sup> Dec 2016 at Sankara College of Science and Commerce, Coimbatore.
- » B.Jeba presitha and A.K.Bincy of M.Phil Maths has participated in National Seminar on "Some Recent Research Directions in Graph Theory" held during 9<sup>th</sup>-10<sup>th</sup> March 2017 at Ayya Nadar Janaki Ammal College, Sivakasi.
- » P.Priya of M.Phil Maths has presented a paper in International Conference entitled "Application of ASM method in Transportation Problem" held during 15<sup>th</sup>-16<sup>th</sup> Feb 2017 at Bharathiar University, Coimbatore.
- » B.Jeba presitha of M.Phil Maths has presented a paper in International Conference entitled "Using Graph Theory to analyze Mathematical Biology" held during 15<sup>th</sup>-16<sup>th</sup> Feb 2017 at Bharathiar University, Coimbatore.
- » A.K.Bincy of M.Phil Maths has presented a paper in International Conference entitled "A study on Minimally 3-Connected Graphs on a Surface" held during 15<sup>th</sup>-16<sup>th</sup> Feb 2017 at Bharathiar University, Coimbatore.
- » G.Sowndharya of M.Phil Maths has presented a paper in International Conference entitled "Analytical Solution of MHD Convective Boundary Layer Flow Over a Strotching Surface" held during 15<sup>th</sup>-16<sup>th</sup> Feb 2017 at Bharathiar University, Coimbatore.
- » R.Nandhini of M.Phil Maths has participated in International Conference on "Differential Equations and



Applications" held during 15<sup>th</sup>-16<sup>th</sup> Feb 2017 at Bharathiar University, Coimbatore.

- » M.Karthick, R.Sachin, J.Shervin Paul, C.Indhuja Sree, K.K.Sankari, S.Kalpana, K.Shobana and W.Kelvin Jude of II M.Sc. Maths have participated in State Level Workshop on Mathematical Tool-Latex at VLB Janakiamml College of Arts and Science College in an Inter Collegiate Meet held on 20<sup>th</sup> March 2017.

### STUDENTS' ACHIEVEMENTS

- » T.Eniyavan of II. B.Sc. Maths have participated in Tamil Poetry at Hindusthan CAS in an Inter Collegiate Meet held on 12<sup>th</sup> July 2016.
- » T.Eniyavan of II. B.Sc. Maths have participated in Tamil Poetry at Vidiyal Educational Trust in an Inter Collegiate Meet held on 12<sup>th</sup> Aug 2016.
- » M.Vanitha Archana of II. B.Sc. Maths have participated in Drawing at Poetry at Vidiyal Educational Trust in an Inter Collegiate Meet held on 12<sup>th</sup> Aug 2016.
- » S.Anumeena of II B.Sc. Maths have won 1<sup>st</sup> Prize in English Essay Writing at Dr.N.G.P ASC in an Inter Departmental Meet held on 13<sup>th</sup> July 2016.
- » S.Anumeena of II B.Sc. Maths and M.Sangeetha Vaanee I B.Sc. Maths have won 2<sup>nd</sup> Prize in Innovation Expo at Dr.N.G.P ASC in an Inter Departmental Meet held on 21<sup>st</sup> Sep 2016.
- » M.Vanitha Archana, V.Ishwarya Lakshmi of II B.Sc. Maths and T.Subbalakshmi, A.P.Geetha, S.P.Preethi of I B.Sc. Maths have won 1<sup>st</sup> Prize in Miming at Sankara College of Science and Commerce in an Inter Collegiate Meet held on 30<sup>th</sup> Dec 2016.
- » S.R.Nivetha and P.T.Swathi of I B.Sc. Maths have participated in Math Quiz at Sankara College of Science and Commerce in an Inter Collegiate Meet held on 30<sup>th</sup> Dec 2016.
- » S.Mithra and V.Kanimozhi of II. B.Sc. Maths have participated in Math Modeling at Sankara College of Science and Commerce in an Inter Collegiate Meet held on 30<sup>th</sup> Dec 2016.

- » M.Sangeetha Vaanee I B.Sc. Maths have won 3<sup>rd</sup>

Prize in Tamil Oratorical at Dr.N.G.P ASC in an Inter Departmental Meet held on 12<sup>th</sup> Jan 2017.

- » C.R.Saisundar and S.Prithiviraj Pallavarayar of I B.Sc. Maths have won 3<sup>rd</sup> Prize in Math Modeling at Kaamadheni Arts and Science College in an Inter Collegiate Meet held on 7<sup>th</sup> Feb 2017.
- » C.R.Saisundar and S.Prithiviraj Pallavarayar of I B.Sc. Maths have won 2<sup>nd</sup> Prize in Math Modeling at Pioneer College of Arts And Science in an Inter Collegiate Meet held on 15<sup>th</sup> Feb 2017.
- » C.R.Saisundar and S.Prithiviraj Pallavarayar of I B.Sc. Maths have won 2<sup>nd</sup> Prize in Logical Connection at Pioneer College of Arts And Science in an Inter Collegiate Meet held on 15<sup>th</sup> Feb 2017.

### HIGHLIGHTS

- » A Guest Lecture on "Mathematical Models in Biology" was delivered by Dr. K. Balachandran Professor and Head Department of Mathematics Bharathiar University Coimbatore, on 29.06.2016.
- » A Guest Lecture on "Glimpses of Mathematics and Career Prospects" was delivered by Dr.K.Sumathi, Professor and Head, Department of Mathematics, PSGR Krishnammal College for Women, on 29.07.2016.
- » A Guest Lecture on "Basics of Finite Element Method" was delivered by Dr. A. Ramesh Babu, Assistant Professor, Department of Mathematics, Sastra University, Kumbagonam, on 18.08.2016.
- » A state level 'Inter Collegiate Competition: MATH FEST 2016' was organised on 15.09.2016. Funtion was inaugurated by Our Principal, Dr. P.R.Muthuswamy. More than 200 students have participated in and around Tamilnadu. Overall trophy was won by Bharathiar University students.
- » A two day State level workshop on "Applications of Statistical Tools using R-Language – A hand son tranning" was organised by Department of Mathematics on 23.09.2016 and 15.10.2016. Dr. K. Balachandran, Dr. R. Vijayaragavan, Dr. R. Jaisankar and Dr. R. Muthukrishnan were served as a resource persons for the productive workshop.
- » A two days Science and Engineering Research Board



(SERB) sponsored National Conference on "Recent Advances in Theoretical and Computational Methods for Partial Differential Equations" was held during 06.01.2017 and 07.01.2017. The following were the resource persons who made the conference indelible, Dr. K. Balachandran Emeritus Professor Department of Mathematics Bharathiar University Coimbatore; Dr. R. Sahadevan Professor Department of Mathematics Ramanujan Institute for Advanced Study in Mathematics Ramanujan University of Madras Chennai; Dr.N.Barani Balan Assistant Professor of Mathematics Central University of Tamil Nadu Thiruvavur; Dr. E. Natarajan Indian Institute of Space Science and Technology Thiruvananthapuram Kerala; Dr. M. Sankar School of Engineering Presidency University Bengaluru; Dr.K.Sakthivel Indian Institute of Space Science and Technology Thiruvananthapuram Kerala.

- » A one day Hands-on workshop on "Latex" was

delivered by Dr. A.K. Abdhul Haakem, Assistant Professor, Department of Mathematics, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore, on 14.02.2017.

### FUTURE PLAN

- » We have to Focus on Interdisciplinary Research Projects for PG Students.
- » Introducing few Diploma and PG Diploma courses like Bio statistics, R-Language and Mathematical Software.
- » To Create an awareness among the students about basic research components in Calculus, Differential Equation.etc.,
- » Organizing more student development program like Hands on Training Programs, Interdepartmental programs, celebrations of Ramanujan Birthday. etc.,
- » Upgrade the department to research level (Ph.d).

### PHOTO GALLERY

#### Two days Conference on

"National Conference on Recent Advances in Theoretical and Computational Methods for Partial Differential Equations" on 06th & 07th January 2017.

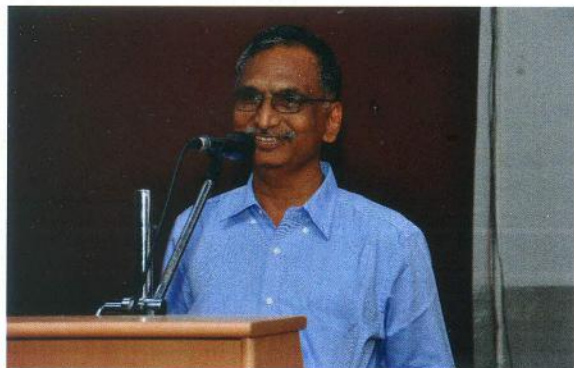


A state level 'Inter Collegiate Competition: MATH FEST-2016' 15<sup>th</sup> September 2016



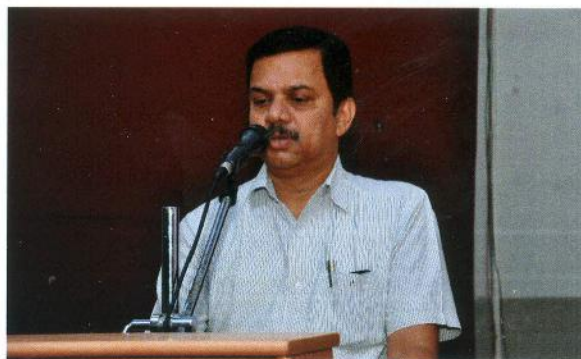


### Guest Lecture on " Mathematical Models in Biology"



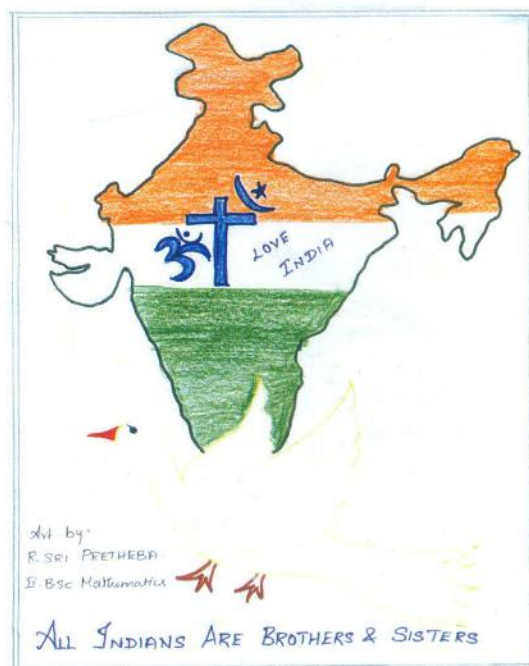
Dr.K.Balachandran Emeritus Professor, Department of Mathematics, Bharathiar University, Coimbatore.

### Two days Workshop on R-Programming



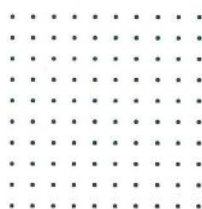
Dr. R. Vijayaragavan Professor, Department of Statistics, Bharathiar University, Coimbatore.

### Students Contribution



## Student's Articles

### Dotted Square

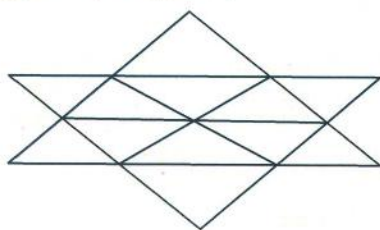


Can you connect 12 of these dots with straight lines to form a perfect cross which has five dots inside it and 8 dots outside?

**Solution :**



**The Triangles :**



How many triangles are there of any size?

**Solution : 20 triangles**

### Magic Math No : 1

- Step I Think of any number  
 Step II Add 3 to the number you have thought  
 Step III Multiply the answer with 2  
 Step IV Subtract 4  
 Step V Divide the result by 2  
 Step VI Submit the answer with the number you have picked

**The Answer is always 1**

#### EIGHT EIGHTS

Using 8 exactly eight times to make a 1000

**Solution No : 1**

888

+ 88

+ 8

+ 8

+ 8

1000

**Solution No : 2**

⇒  $8(8 \times 8 + 8 \times 8) - 8 - 8 - 8$

⇒ **1000**

Multiplication of four digit number

1.  $1024 \times 1024$

1024

+ 42

1068

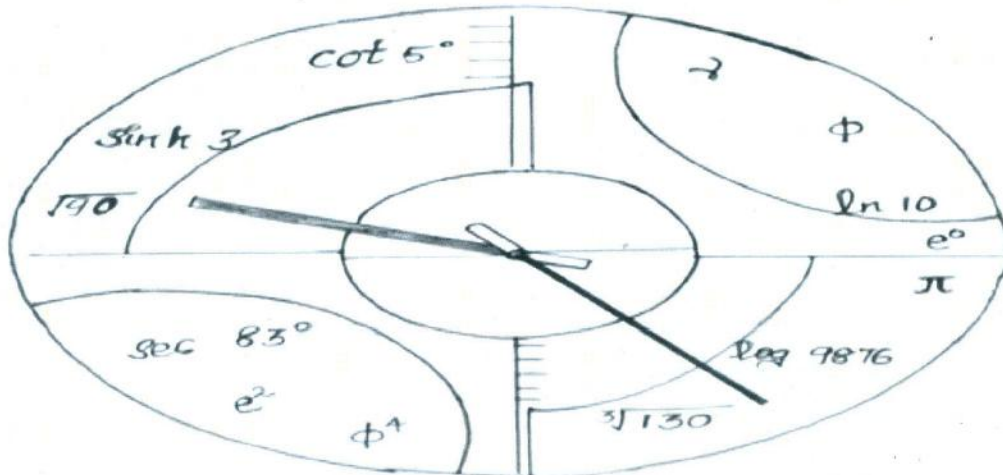
2.  $1066 \times 1000 = 1066000$

24 x 42 = 1008

1067008



### Math Clock



#### HOW MUCH ?

I have two 10 paise coins.  $\frac{4}{5}$  of what I have is  $\frac{8}{9}$  of what you have, how much do you have?

**Solution : 18 paise**



### Dr. N.G.P. ARTS AND SCIENCE COLLEGE (Autonomous)

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Phone : (0422) 2369100, 2369252, 2369253

E-mail : drngparts@kmch.ac.in







# Dr. N.G.P. ARTS AND SCIENCE COLLEGE

An Autonomous Institution, Approved by Government of Tamil Nadu  
Affiliated to Bharathiar University, Coimbatore. Re-accredited by NAAC with 'A' Grade

Coimbatore - 641 048

## News Letter 2016 - 17

### EDITORIAL BOARD

#### Patrons

**Dr. Nalla G Palaniswami**

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**DR. P.R. Muthuswamy**

Principal

**DR. K. Durairaj**

Vice Principal

#### Chief Editor

**DR. B. Satheesh Kumar**

Professor and Head

Department of Mathematics with CA

#### Editor

**Mrs. S. Gokilamani**

**Ms. G. Nagalakshmi**

Assistant Professor

Department of Mathematics with CA

### Department of

## Mathematics with Computer Applications

"The essence of Mathematics is not to make simple things complicated, but to make complicated things simple."

#### VISION

- To create a new learning environment which will encourage mathematical intelligence.
- To use the mathematical knowledge for problem solving and exploring the subjects by using multiple representations of the mathematical content.

#### MISSION

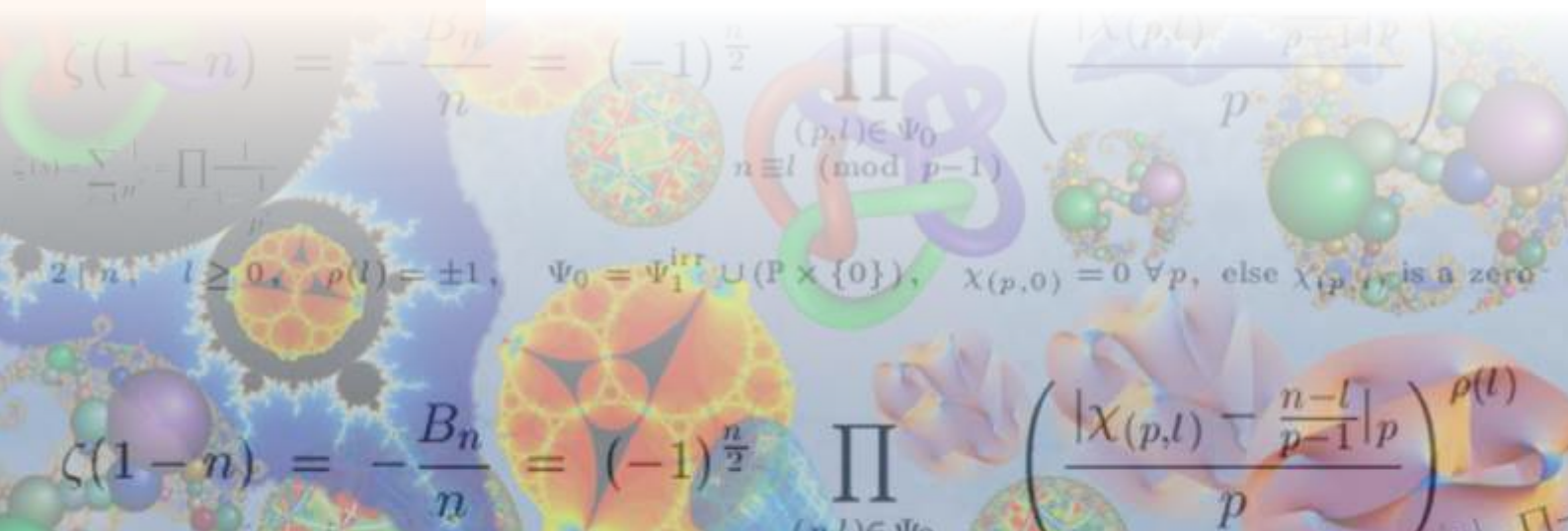
- To motivate the students in upgrading their interest in contemporary mathematical techniques.
- To strengthen the students' analytical abilities in the field of mathematics.

#### BRIDGE COURSE

The Bridge Course was held for 700 Non-Mathematics students of 1<sup>st</sup> year UG from other disciplines between 22<sup>nd</sup> June to 24<sup>th</sup> June 2016 for commerce stream and between 20<sup>th</sup> June to 22<sup>nd</sup> June 2016 for science stream.

#### REMEDIAL COURSE

The Remedial course for our students with arrear papers in Odd Semester was held during 4<sup>th</sup> July to 30<sup>th</sup> September 2016 and for the Even Semester during 6<sup>th</sup> February to 25<sup>th</sup> March 2017 from 3.30 pm to 4.30 pm.





## FACULTY PUBLICATIONS

- Mrs.Revathy.M has published a paper entitled "Solving FLPP with symmetric trapezoidal fuzzy numbers" in International Journal of Informative & Futuristic Research, Volume 3 Issue 10, June 2016. ISSN: 2348-1697 (IF: 5.031)
- Mrs.Revathy.M has published a paper entitled "A New Ranking on Hexagonal fuzzy Numbers" in International Journal of Fuzzy Logic Systems, Volume 6 Number 4, October 2016. ISSN: 1839-6283.
- Dr.B Satheesh Kumar has published a paper entitled "A comparative study of ASM and NWCR method in Transportation Problem" in Malaya Journal of Mathematics, Volume 5 Issue 2, February 2017. ISSN: 2319-3786.

## SEMINARS PARTICIPATED/PAPERS PRESENTED BY THE FACULTY

- Dr. B.Satheesh Kumar has participated at the National Seminar on "Curriculum Design for Sustainable and Societal Development: A Road Map" held on 12th & 13th Aug 2016 at Amrita Vishwa Vidyapeetham (University), Coimbatore.
- Mrs. S.Gokilamani has presented a paper at an International Conference entitled "Windmill and Friendship," Two Graph in Route Mapping Technology" held on 3rd Sep 2016 at Bharathidasan College of Arts & Science, Erode.
- Mrs.M.Revathy has presented a paper at an International Conference entitled "On fuzzy Inventory Model with Allowable Shortage" held on 3rd Sep 2016 at Bharathidasan College of Arts & Science, Erode.
- Ms. G.Nagalakshmi has presented a paper at an International Conference entitled "Properties of K - Quasi normal operators" held on 3rd Sep 2016 at Bharathidasan College of Arts & Science, Erode.
- Ms. K.Vidhyapraba has presented a paper at an International Conference entitled "Properties of n-power Hypo normal and n-power Quasi normal operators" held on 3<sup>rd</sup> Sep 2016 at Bharathidasan College of Arts & Science, Erode.
- Mrs. S.Gokilamani, Mrs.M.Revathy, Ms.G.Nagalakshmi and P.Umadevi have participated at an International

Symposium on "Neoteric Notion in Algebra" held on 21<sup>st</sup> Sep 2016 at Nandha Arts and Science College, Erode.

- Ms. K.Vidhyapraba has presented a paper at the National Seminar entitled "Survey Research in operations Management - A process based perspective" held on 23rd Sep 2016 at Maharaja Co-Education Arts & Science College, Perundurai.
- Ms. V.Renukadevi has presented a paper in National Seminar entitled "On total 9 coloring planar graphs of maximum degree seven" held on 23<sup>rd</sup> Sep 2016 at Maharaja Co-Education Arts & Science College, Perundurai.
- Ms. G.Nagalakshmi and Ms.K.Vidhyapraba have participated in Faculty Development Program on "Balancing Work and Family as a Career Women" held on 29<sup>th</sup> Sep 2016 at Dr.N.G.P. Arts and Science College, Coimbatore.
- Mrs. P.Umadevi has participated in an International Conference on "Computational and Theoretical Partial Differential Equations" held from 5<sup>th</sup> to 7<sup>th</sup> Oct 2016 at NIT, Goa.
- Mrs. P.Umadevi has presented a paper at an International Conference entitled "Effect of angle of inclination on convection inside enclosure including a heat generating solid body" held from 11<sup>th</sup> to 14<sup>th</sup> Dec 2016 at VIT, Vellore.
- Dr. B.Satheesh Kumar has participated at a National Workshop on "Technology Enablement for Outcome Based Education" held on 15<sup>th</sup> & 16<sup>th</sup> Dec 2016 at PSGR Krishnammal College for Women, Coimbatore.
- Dr. B.Satheesh Kumar has participated in a National Conference on "Recent Advances in Mathematics and its applications in Science and Engineering" held on 3<sup>rd</sup> Feb 2017 at Dr. N. G. P. Institute of Technology, Coimbatore.
- Mrs. S.Gokilamani has presented a paper at a National Conference entitled "Graph Theory and its Applications" held on 3<sup>rd</sup> Feb 2017 at Dr. N. G. P. Institute of Technology, Coimbatore.
- Ms. G.Nagalakshmi has presented a paper at a National Conference entitled "Solving Transportation Problems using the best candidate method" held on 3<sup>rd</sup> Feb 2017 at Dr. N. G. P. Institute of Technology, Coimbatore.
- Ms. K.Vidhyapraba has presented a paper at a National



Conference entitled "Solving Transportation Problems using the best candidate method" held on 3<sup>rd</sup> Feb 2017 at Dr. N. G. P. Institute of Technology, Coimbatore.

- Mrs. V.Reukadevi has presented a paper at a National Conference entitled "Fuzzy Soft Set over a Fuzzy Topological Space" held on 3<sup>rd</sup> Feb 2017 at Dr. N. G. P. Institute of Technology, Coimbatore
- Mr. C.Sivakumar has presented a paper at a National Conference entitled "A study on processing n-Jobs through two machines sequencing problems by Johnsons algorithm method" held on 3<sup>rd</sup> Feb 2017 at Dr. N. G. P. Institute of Technology, Coimbatore
- Dr. B.Satheesh Kumar has participated in an International Conference on "Association of Indian College Principals" held from 4<sup>th</sup> to 6<sup>th</sup> Feb 2017 at Sri Krishna Arts and Science College, Coimbatore.
- Mrs. S.Gokilamani has presented a paper in at a National Conference entitled "Vertex-Edge Coloring techniques with applications" held on 9<sup>th</sup> Feb 2017 at Vellalar College for Women, Erode.
- Mrs.S.Gokilamani has participated in National Conference on "Emerging trends in topology and applications of Analysis" held on 10<sup>th</sup> Feb 2017 at Kongu Arts and Science College, Erode.
- Mrs. S.Gokilamani has participated in National Seminar on "Some Recent Research Directions in Graph Theory" held on 9<sup>th</sup> & 10<sup>th</sup> March 2017 at Ayya Nadar Janaki Ammal College, Sivakasi.
- Dr. S.C.Palaniswami has participated in an International Conference on "Differential Equations and Applications" held on 15<sup>th</sup> & 16<sup>th</sup> March 2017 at Bharathiar University, Coimbatore.
- Dr. S.C.Palaniswami has participated in a National Conference on "Advances in Differential Equations and Applications" held on 23<sup>rd</sup> & 24<sup>th</sup> March 2017 at Periyar University, Salem.
- Dr. S.C.Palaniswami has participated in an International conference on "Climate change and adaptation: Empowering small holders and Ensuring Food Security" organized by the Tamil Nadu Agricultural University during May 11 & 12, 2017 at Chennai, Tamil Nadu.

## MEMBERSHIPS IN PROFESSIONAL BODIES

- Mrs. S.Gokilamani, Mrs.M.Revathy & Mrs.V.Renukadevi have joined as Life Time Members in "The Association of Mathematics Teachers of India (AMTI)".

## FACULTY AS A RESOURCE PERSON

- Dr. S.C.Palaniswami has delivered a guest lecture on "Some Fundamentals in Differential Equations" on 20<sup>th</sup> July 2016 at PSGR Krishnammal College for Women, Coimbatore.
- Dr. B.Satheesh Kumar has delivered a guest lecture on "Mathematics in Reality & Career Development" on 22<sup>nd</sup> Feb 2017 at Chikkanna Government Arts College, Tirupur.

## FACULTY CERTIFICATIONS

- Mrs. S.Gokilamani has certified with an online course on R 101.
- Mrs. S.Gokilamani & Mrs.M.Revathy have certified with an online courses on Big Data 101 and Hadoop 101.
- Mrs S.Gokilamani received the certificate of Appreciation for successfully conducting Round 1 of National Creativity Aptitude Test 2017 at Dr. N.G.P Arts and Science College organized by International Forum for Excellence in Higher Education

## STUDENTS' ACHIEVEMENTS

- Madhumila.C and Sreedevi.M of III B.Sc. Maths (CA) have won 2<sup>nd</sup> Prize for Connections in an Inter Departmental Meet held at Dr.N.G.P. Arts & Science College on 13<sup>th</sup> July 2016.
- Nalini.P and Muthuselvi.D of II. B.Sc. Maths (CA) have won Arivoli Thendral Award 2016 & Kavithai Kalaimani Award 2016 for Tamil Essay Writing & Tamil Poetry respectively at a state level competition conducted by Kaviarasar Kalai Tamil Sangam, Namakkal.
- Dinesh Kumar.P of III B.Sc. Maths (CA) have won 1st Prize for Table Tennis in an Inter Collegiate Tournament held at Bharathiar University on 30<sup>th</sup> Aug 2016.
- Pavithra.T and Revathy. B of III B.Sc. Maths (CA) have won 1<sup>st</sup> Prize for Connections in an Inter Departmental Meet held at Dr.N.G.P. Arts & Science College on 21<sup>st</sup> Sep 2016.
- Nithya.J and Priya Dharshini.D of III B.Sc. Maths (CA) have won 3<sup>rd</sup> Prize for Connections in an Inter Departmental



Meet held at Dr.N.G.P. Arts & Science College on 21<sup>st</sup> Sep 2016.

- Sowmiya.R & Vennila.V of I B.Sc. Maths (CA) have won 2<sup>nd</sup> Prize for We to Meet in an Inter Collegiate Meet held at Hindusthan College of Arts & Science on 28<sup>th</sup> Jan 2017.
- Sowmiya.R & Vennila.V of I B.Sc. Maths (CA) have won 3rd Prize for Fun with Maths in an Inter Collegiate Meet held at Hindusthan College of Arts & Science on 28<sup>th</sup> Jan 2017.
- Vennila.V of I B.Sc. Maths (CA) have won 2<sup>nd</sup> Prize for Just a Minute in an Inter Collegiate Meet held at Pioneer College of Arts & Science on 15<sup>th</sup> Feb 2017.
- Sowmiya.R & Maheshathavan.P of I B.Sc. Maths (CA) have won 2<sup>nd</sup> Prize for Math Quiz in an Inter Collegiate Meet held at Pioneer College of Arts & Science on 15<sup>th</sup> Feb 2017.
- Angelin Nivetha.M of II B.Sc. Maths (CA) has won 2<sup>nd</sup> Prize for Googler in an Inter Departmental Meet held at Dr.N.G.P. Arts & Science College on 24<sup>th</sup> Feb 2017.
- Nalini.P of II B.Sc. Maths (CA) have won 2<sup>nd</sup> Prize for Variety Entertainment in an Inter Collegiate Meet held at P.S.G. College of Arts & Science on 25<sup>th</sup> Feb 2017.
- Muthuselvi.D of II B.Sc. Maths (CA) have won Consolation Prize for Tamil Debate in an Inter Departmental Meet held at Dr.N.G.P. Arts & Science College on 8th Mar 2017.
- Nalini.P of II B.Sc. Maths (CA) have won 1st Prize for Variety Entertainment in an Inter Collegiate Meet held at Rathinam Group of Institutions on 9th Mar 2017.
- Jayarajalakshmi.P of III B.Sc Mathematics CA has shown exemplary performance in Round 2 of National Creativity Aptitude Test 2017 and has secured All India Rank 97 in Category-2.
- Maheshwari.G of III B.Sc Mathematics CA has shown exemplary performance in Round 1 of National Creativity Aptitude Test 2017 and has secured All India Percentile 87 in Category-2.
- Rubhadevi.S of II B.Sc Mathematics CA has shown exemplary performance in Round 1 of National Creativity Aptitude Test 2017 and has secured All India Percentile 81 in Category-1.
- Haripriya.N of II B.Sc Mathematics CA has shown exemplary performance in Round 1 of National Creativity

Aptitude Test 2017 and has secured All India Percentile 81 in Category-1.

## HIGHLIGHTS

- A Guest Lecture on “Mathematical Models in Biology” was delivered by Dr. K. Balachandran, Professor and Head, Department of Mathematics, Bharathiar University, Coimbatore on 29th June 2016.
- A Guest Lecture on “Glimpses of Mathematics and Career Prospects” was delivered by Dr.K.Sumathi, Professor and Head, Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore on 29th July 2016.
- A Guest Lecture on “Basics of Finite Element Method” was delivered by Dr. A. Ramesh Babu, Assistant Professor, Department of Mathematics, Sastra University, Kumbagonam on 18th Aug 2016.
- A state level ‘Inter Collegiate Meet: MATH FEST-2016’ was organised on 15<sup>th</sup> Aug 2016. The meet was inaugurated by Our Principal, Dr. P. R. Muthuswamy. More than 200 students have participated from in and around Tamilnadu. Overall trophy was won by the students of Bharathiar University .
- A two day State level Workshop on “Applications of Statistical Tools using R-Language - A hands on training” was jointly organised by Department of Mathematics & Mathematics with Computer Applications on 23<sup>rd</sup> Sep 2016 and 15<sup>th</sup> Oct 2016. Dr. K. Balachandran, Dr. R. Vijayaragavan, Dr. R. Jaisankar and Dr. R. Muthukrishnan were present as the resource persons for the productive workshop.
- DST-SERB sponsored two days National Conference on “Recent Advances in Theoretical and Computational Methods for Partial Differential Equations” was organised on 6<sup>th</sup> and 7<sup>th</sup> January 2017. The following were the resource persons who made the conference intellectually enriching: Dr.K.Balachandran, UGC-BSR Professor, Bharathiar University, Coimbatore; Dr.R.Sahadevan, Emeritus Professor, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai; Dr.N.Barani Balan, Assistant Professor of Mathematics, Central University of TamilNadu, Thiruvavur; Dr.E.Natarajan, Assistant Professor of Mathematics, Indian Institute of Space Science and Technology, Thiruvananthapuram; Dr.M.Thamban Nair, Professor and



Head of Mathematics, IIT, Chennai; Dr.M.Sankar, Professor in Mathematics, Presidency University, Bengaluru; Dr.K.Sakthivel, Assistant Professor in Mathematics, Indian Institute of Space Science and Technology, Thiruvananthapuram.

- An “Extension Activity-I” was organised by our department along with our III UG Students on 16<sup>th</sup> Feb 2017 in UNITED ORPHANAGE, Kurumbampalayam, Coimbatore and conducted events like Mind Games and Planting Trees.
- An “Extension Activity-II” was organised by our department along with our III UG Students on 16<sup>th</sup> Feb 2017 in Aravanaikkum Anbu Illam, Gandhimanagar, Peelamedu, Coimbatore and several events like Singing, Balloon blasting, Musical chair, Dancing and Storytelling were conducted.

#### PLACED STUDENTS' DETAILS

- Elakkiya.S, Harshini.V, Induja.S, Karthika.B, Manju Ninitha.N, Narmatha.S have got placed in TNQ Books and Publishing Company.
- Revathi.B has got placed in Tech Mahindra.
- Karthika.B, Narmatha.S, Induja.S have got placed in L&T INFO TECH.
- Akila Dhanalakshmi.A, Elakkiya.S, Karthika.B, Narmatha.S, Induja.S, Manju Ninitha.N, Nithya.J and Sreedevi.M have got placed in TCS.
- Akila Dhanalakshmi.A, Elakkiya.S and Harshini.V have got placed in CAPGEMINI.
- Sreedevi.M, Elakkiya.S and Harshini.V have got placed in ACCESS HEALTH CARE.

#### PLACEMENT TRAINING DETAILS

- Akila Dhanalakshmi.A, Balaji.K, Baskaran.S, Divya.B, Divya Bharathi.D, Elakkiya.S, Harshini.V, Induja.S, Karthika.B, Kirubaharan.P, Pavithra.T, Narmatha.S, Nithya.J, Ranichristy.G, Revathi.B, Sathishkumar.G, Manju Ninitha.N, Sowndarya.V, Sreedevi.M, Sunmitha.S and Valarmathi.K have undergone placement training in TCS on 25<sup>th</sup> and 26<sup>th</sup> July 2016.
- Akila Dhanalakshmi.A, Divya.B, Elakkiya.S, Harshini.V, Induja.S, Karthika.B, Kirubaharan .P, Pavithra.T, Narmatha .S, Ranichristy.G, Revathi.B, Manju Ninitha.N, Sowndarya.V, Sreedevi.M have undergone placement training in TNQ on 29<sup>th</sup> and 30<sup>th</sup> Sep 2016.
- Akila Dhanalakshmi.A, Divya.B, Elakkiya.S, Kirubaharan .P, Pavithra.T, Ranichristy.G, Revathi .B, Manju Ninitha.N, Sowndarya.V, Sreedevi.M have undergone placement training in TECH MAHINDRA on 3<sup>rd</sup> Oct 2016.
- Akila Dhanalakshmi.A, Divya.B, Elakkiya.S, Harshini.V, Induja.S, Karthika.B, Kirubaharan .P, Narmatha .S, Revathi .B, Manju Ninitha.N, Sreedevi.M have undergone placement training in L&T on 19<sup>th</sup> Oct 2016.
- Akila Dhanalakshmi.A, Elakkiya.S, Harshini.V, Induja.S, Karthika.B, Narmatha .S and Manju Ninitha.N, have undergone placement training at IBM on 15<sup>th</sup> and 16<sup>th</sup> Sep 2016.
- Akila Dhanalakshmi.A, Elakkiya.S, Harshini.V, Kirubaharan .P and Revathi .B have undergone placement training in CAPGEMINI on 2<sup>nd</sup> Dec 2016.
- Akila Dhanalakshmi.A, Elakkiya.S, Harshini.V, Manju Ninitha.N, Sreedevi.M, Kirubaharan .P and Revathi.B have undergone placement training in ACCESS HEALTH CARE on 3<sup>rd</sup> Dec 2016.

National Conference on "Recent Advances in Theoretical and Computational Methods for Partial Differential Equations" was organised on 6<sup>th</sup> and 7<sup>th</sup> January 2017



Dr. B.Satheesh Kumar has delivered a technical session in the International conference on "Role of educational research for excellence in the digital era - Teaching, learning and evaluation & extension & Early childhood care and education" on 24<sup>th</sup> - 26<sup>th</sup> Feb 2017 at Dr. N.G.P. College of Education , Coimbatore.

Dr. B.Satheesh Kumar has delivered a guest lecture on "Mathematics in Reality & Career Development" on 22nd Feb 2017 at Chikkanna Government Arts College, Tirupur.







# Fun With Numbers

$1 \times 8 + 1 = 9$   
 $12 \times 8 + 2 = 98$   
 $123 \times 8 + 3 = 987$   
 $1234 \times 8 + 4 = 9876$   
 $12345 \times 8 + 5 = 98765$   
 $123456 \times 8 + 6 = 987654$   
 $1234567 \times 8 + 7 = 9876543$   
 $12345678 \times 8 + 8 = 98765432$   
 $123456789 \times 8 + 9 = 987654321$

$123456789 \times 9 = 111111111$   
 $123456789 \times 18 = 222222222$   
 $123456789 \times 27 = 333333333$   
 $123456789 \times 36 = 444444444$   
 $123456789 \times 45 = 555555555$   
 $123456789 \times 54 = 666666666$   
 $123456789 \times 63 = 777777777$   
 $123456789 \times 72 = 888888888$   
 $123456789 \times 81 = 999999999$

U. J. Srinivas  
B. Sc. Maths (CA)

தினமலர்  
செவ்வாய் 4-6-2017

கோவை

சுமதி, குமாரசாமி, கவிதா, துரை போகல், என்.ஜி.பி. கலை அறிவியல் கல்லூரி.

கோவை மாநகரில் நூற்றுக்கணக்கான மாணவர்கள் கலந்துகொண்டு நடைபெற்ற ஒரு இடத்திலிருந்து மற்றொரு இடத்திற்கு செல்ல வேண்டுமெனில், பல மணி நேரம் செலவுபுரிக் வேண்டியுள்ளது. சென்னையில் உள்ளது போல் கோவைவிலும், மெட்ரோ ரூரில் திட்டத்தை தொடங்கினால் போக்குவரத்து நெரிசலை குறைக்க முடியும்.

உய்கள் பகுதி புலங்களை எங்களுக்கு தெரிவிக்க [cbareporting@dinamalar.in](mailto:cbareporting@dinamalar.in)

## இனி ஒரு விதி செய்வோம்

இரவு நேரங்களில் இளைஞர்கள் மது அருந்தி விட்டு, கடைகளில் "ரோஸ்" வைத்து விளையாடுகின்றனர். அதிலேயே மகிழ்ந்து ஆவர்கள் வாகனங்களை இயக்குவதால், விபத்துகள் ஏற்படுகின்றன. இப்படி போட்டிகளில் ஈடுபடும் இளைஞர்களின் ஒட்டுமொத்த உரிமைத்தை ரத்து செய்து, கடும் நடவடிக்கை எடுக்க வேண்டும்.

டி. முத்துசெல்வி, கல்யாணி மாணவி.

### இப்படியும்

நாடு முழுவதும், தேசிய மற்றும் மாநில நெடுஞ்சாலைகளில் உள்ள "டாஸ்மாக்" கடைகளை மூடவேண்டுமென்று, சுப்பிரீம் கோர்ட் உத்தரவிட்டது. இத்திட்டத்திற்கு, பெண்கள் மத்தியில் நல்ல வரவேற்பு கிடைத்துள்ளது. இனி வரும் காலங்களில் தமிழகத்தில் பூரண மதுமிகைகளை அமல்படுத்தி, அனைவரையும் மகிழ்விக்க வேண்டும்.

- வி. தினிவி, கல்யாணி மாணவி.

செய்யலாம்



## Dr. N.G.P. ARTS AND SCIENCE COLLEGE (AUTONOMOUS)

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