



# **KONGU ARTS AND SCIENCE COLLEGE**

**(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)**

**ERODE – 638 107**

**PROGRAM NAME**  
**B.Sc. (Mathematics)**



# **KONGU ARTS AND SCIENCE COLLEGE**

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**ERODE – 638 107**

**2019-2020**



# **KONGU ARTS AND SCIENCE COLLEGE**

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**ERODE – 638 107**

# **SYLLABUS**

Sem	Course Code	Core Practical	Total Marks:50		Hours Per Week	Credits
			CIA: 20	ESE :30		
II	19UANCP205	MATH SOFTWARE: GeoGebra			1	2

**OBJECTIVE:**

To enable the students to get practice on different mathematical software .

**COURSE OUTCOME:**

On successful completion of the course, the students will able to

CO1 draw 2D figures.

CO2 calculate centroid.

CO3 calculate measures of central tendency .

CO4 calculate area using Riemann sum method.

CO5 use different matrix operations.

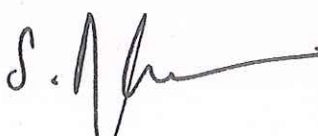
**LIST OF EXPERIMENTS:**

1. Basic operations on numbers (sum, product, HCF,  $n^{\text{th}}$  term etc.)
2. Basic operations on matrices.
3. Calculation of Measures of central tendency and dispersion.
4. Construction of the curve of  $f'(x)$  and finding definite integrals.
5. Calculation of area under a graph using Riemann sum method and area between two curves.
6. Drawing polygons and angles ( square,rectangle,kites,parallelograms etc.).
7. Drawing parallel, perpendicular lines and tangents.
8. Classifying polygons and finding the area of polygons.
9. Calculation of centroids.
10. Drawing conical curves.

**BOOKS FOR REFERENCE:**

1. Stols, Gerrit., "GeoGebra in 10 Lessons", University of Pretoria: South Africa, Oct. 5, 2009.  
Web <[www.geogebra.org](http://www.geogebra.org)>
2. Judith Hohenwarter, Markus Hohenwarter. "Introduction to Geogebra", FCR-STEM,  
Learning systems institute, Florida State University, 2008.
3. Jonas Hall, Thomas Lingefjård, "Mathematical Modelling: Applications with GeoGebra",  
Wiley, 2017.



  
**Dr. N. RAMAN**  
 PRINCIPAL  
 HEAD OF THE DEPARTMENT OF MATHEMATICS  
 DEPARTMENT OF MATHEMATICS (AUTONOMOUS)  
 KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)  
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 (AUTONOMOUS)  
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## UNIT V

Character arrays and String: Declaring and initializing string variables – Reading strings from terminal – Writing strings to screen – Arithmetic operations on characters.

Structures: Defining a structure – Declaring structure variable – Accessing structure members – Structure initialization.

Text Book:

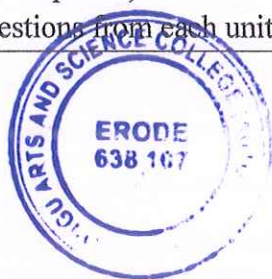
E.Balagurusamy, “Programming in ANSI C”, Fourth Edition, Tata McGraw Hill Publishing Company Limited, New Delhi, 2007.

Unit I	: Chapter I	: Sections : 1.1 - 1.2, 1.8, 2.2, 2.4-2.8, 2.10-2.11
Unit II	: Chapter III	: Sections : 3.2 -3.12, 3.16
Unit III	: Chapter IV	: Sections : 4.2-4.3
	Chapter V	: Sections : 5.2-5.9
Unit IV	: Chapter VI	: Sections : 6.2-6.5
	Chapter VII	: Sections : 7.2 - 7.7
Unit V	: Chapter VIII	: Sections : 8.2-8.5
	Chapter X	: Sections : 10.2-10.5

Books for Reference:

1. Byron Gottfried, “Programming with C”, (Schaum’s out line Series), Tata McGrawHill Publishing Company, 1998.
2. Ashok N.Kamthane, “Programming with Ansi and Turbo C”, Pearson Education Publishers, 2002.
3. Hentry Mullish and Herbert L Cooper , “The spirit of C”, Jaico Publisher, 1996.
4. Brian W Kernighan and Dennis M Ritchie , “THE ANSI C”, Second Edition, Prentice- Hall of India Pvt Ltd, New Delhi, 1992.
5. C.Balasubramanian, “ANSI C: With Microsoft C 5.1 and Quick C 2.0”, Tata McGraw-Hill Publishing Company Limited, New Delhi, 1992.

QUESTION PAPER PATTERN		
SECTION – A	SECTION – B	SECTION – C
10x1=10 Marks (Multiple choice, Four options) Two questions from each unit	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3x10 = 30 Marks (Answer any three questions) One question from each unit



Dr. N. RAMAN  
PRINCIPAL  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
DEPARTMENT OF MATHEMATICS  
NANJANAPURAM, ERODE - 638 107  
(AUTONOMOUS)  
ERODE - 638 107.

Sem	Course Code	Elective –I	Total Marks: 100		Hours Per Week	Credits
V	17UANEP505	RDBMS and ORACLE PRACTICAL	CIA : 40	ESE :60	3	3

**OBJECTIVE:**

To enable the students to learn practical knowledge about creating tables, operators, built in function , SQL, PL/SQL and Database Trigger has to apply the concepts.

**COURSE OUTCOME:**

On successful completion of the course, the students will able to

CO1 create tables and writing simple queries.

CO2 update and alter tables using SQL.

CO3 create report and data base trigger .

CO4 write PL/SQL blocks, split and join tables.

CO5 find the total, average marks and results .

**LIST OF PRACTICALS:**

1. Creating tables and writing simple queries using

- |                         |                         |
|-------------------------|-------------------------|
| a) Comparison operators | b) Logical operators    |
| c) Set operators        | d) Sorting and grouping |

2. Writing Queries using built in functions

3. Updating and altering tables using SQL

4. Creation of reports using column format

5. Create a Database Trigger to check the data validity of record.

6. Write a PL/SQL block to prepare the electricity bill Creation of students information table

7. Write a PL/SQL to split the students information table in to two, one with the passed and other with failed

8. Write PL/SQL block to join two tables, first table contains the Roll no. and address.

9. Write PL/SQL blocks to find the total, average marks and results.



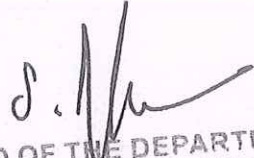
**Dr. N. RAMAN**  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.

Text Books:


1. Bipin C.Desai, "Introduction to Database System", West Publishing Company, 1997.
2. Ivan Bayross, "Commercial application Development using Oracle developer 2000", BPB Publications, Chennai, 2004.

Books for Reference:

1. Alex Leen and Mathews Leon, "Database Management Systems", Vikas publications.
2. Elmarsi Navathe, "Fundamentals of Database Systems", Pearson Education Publications, Third edition, 2001.
3. Mark Gokman and Jhonathan W Ingraw, "Oracle 8 & PL/SQL Black Book", Comdex Computer publication, 1998.
4. George Koch, Kevin Loney, "Oracle 8 - The Complete Reference", Tata McGraw Hill, New Delhi.

  
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DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107.



  
**Dr. N. RAMAN**  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.



Sem	Course Code	Elective –I	Total Marks: 100		Hours Per Week	Credits
V	17UANEP506	PROGRAMMING IN C PRACTICAL	CIA : 40	ESE :60	3	3

**OBJECTIVE:**

To enable the students to learn practical knowledge about C Structures, operators and statements, arrays, functions and can apply the concepts.

**COURSE OUTCOME:**

On successful completion of the course, the students will able to

CO1 find mean, median, mode and fibonacci numbers and solve quadratic equations.

CO2 sort a set of numbers and names and prepare pay list.

CO3 find factorial value of number and product of two matrices.

CO4 illustrate the comparison of structure variables.

CO5 copy one string into another and count the number of characters copied.

**LIST OF PRACTICALS:**

1. Write a C program to calculate the statistical values of mean, median, mode of the given data.
2. Write a C program to generate 'N' Fibonacci number.
3. Write a C program to print all possible roots for a given quadratic equation.
4. Write a C program to sort a set of numbers.
5. Write a C program to sort the given set of names.
6. Write a C program to prepare pay list for a given data.
7. Write a C program to find factorial value of a given number 'N' using recursive function call.
8. Write a C program to find the product of two given matrices.
9. Write a C program to illustrate the comparison of structure variables.
10. Write a C program to copy one string into another and count the number of characters copied.



**Dr. N. RAMAN**  
 PRINCIPAL,  
 KONGU ARTS AND SCIENCE COLLEGE  
 (AUTONOMOUS)  
 NANJANAPURAM, ERODE - 638 107.

Text Book:

E.Balagurusamy, "Programming in ANSI C", Second Edition, Tata McGraw Hill , New Delhi, 2002.


Books for Reference:

- 1.Byron Gottfried, "Programming with C"(Schaum"s outline series), Tata McGrawHill publishing company , 1998.
2. Ashok N Kamthane, "Programming with Ansi and Turbo C", Pearson Education publishers, 2002 .
- 3.Hentry Mullish and Herbert L cooper , "The spirit of C", Jaico publisher , 1996.
4. Brian W Kernighan and Dennis M. Ritchie, " THE ANSI C", Prentice- Hall of India Pvt.Ltd , Second edition, 1992.
5. Balasubramanian C ", ANSI C : With Microsoft C 5.1 and Quick C 2.0", Tata McGraw-Hill, 1992.
6. Kris A Jamsa, "PROGRAMMING IN C ", Galgotia Publications Pvt.Ltd, 1992.



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KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107.



  
**Dr. N. RAMAN**  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.

Sem	Course Code	Elective –I	Total Marks: 100		Hours Per Week	Credits
V	17UANEP507	VISUAL BASIC PRACTICAL	CIA : 40	ESE :60	3	3

**OBJECTIVE:**

To enable the students to learn practical knowledge about the structure of Visual Basic, library functions , Scroll bars , Drop down and Pop –up menus , input boxes and can apply the concepts.

**COURSE OUTCOME:**

On successful completion of the course, the students will able to

CO1 sort list of numbers, find smallest of n numbers and select any one from a list.

CO2 create a project that displays the current date and time and timer control

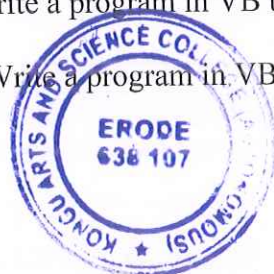
CO3 convert temperature scale.

CO4 find factorial value of number and illustrate the usage of scroll bars.

CO5 illustrate the usage of input boxes and find the sine of an angle.

**LIST OF PRACTICALS:**

1. Write a program in VB to sort list of numbers.
2. Write a program in VB to find smallest of n numbers.
3. Write a program in VB to select any one from a list. Use combo box to display choices.
4. Write a program in VB to create a project that displays the current date and time. Use VB variable Now and Format Library function.
5. Write a program in VB to illustrate the usage of Timer control .
6. Write a program in VB to convert temperature from Fahrenheit to centigrade and vice-versa
7. Write a program in VB to calculate factorial of a given number.
8. Write a program in VB to illustrate the usage of scroll bars.
9. Write a program in VB to illustrate the usage of input boxes.
10. Write a program in VB to find the sine of an angle.



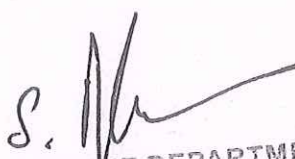
**DR. N. RAMAN**  
**PRINCIPAL,**  
**KONGU ARTS AND SCIENCE COLLEGE**  
**(AUTONOMOUS)**  
**NANJANAPURAM, ERODE - 638 107.**

Text Books:


1. Ivan Bayross, "Commercial application Development using Oracle developer ", 2000.
2. Abraham Silbertschatz, Henry F Korth and Sudharson S, "Database system concepts", Tata Mcgraw Hill, International edition, 1997.

Books for Reference:

1. Alex Leen and Mathews Leon, "Database Management Systems", Vikas publications.
2. Elmarsi Navathe, "Fundamentals of Database Systems", Pearson Education Publications, Third edition, 2001.
3. Mark Gokman and Jhonathan W Ingraw, "Oracle 8 & PL/SQL Black Book", Comdex Computer publication, 1998.
4. George Koch and Kevin Loney, "Oracle 8 - The Complete Reference", Tata McGraw Hill, New Delhi.

  
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DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107.



  
**Dr. N. RAMAN**  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.

Sem	Course Code	Advanced Learners Course	Total Marks :100	Hours Per Week	Credits
V	17UANAL509	MATHEMATICAL MODELLING	ESE : 100	-	2

**OBJECTIVE:**

To enable the students to understand the concept of mathematical modelling through different systems viz, ODE, Difference Equation, Graphs and Calculus of Variations.

**COURSE OUTCOME:**

On successful completion of the course, the students will be able to

- CO1 understand the concept of mathematical modelling through ODE.
- CO2 construct difference equations.
- CO3 convert physical problems into difference equations..
- CO4 analyse mathematical modelling through graphs.
- CO5 discuss mathematical modelling through calculus of Variations and Dynamic Programming.

**UNIT-I**

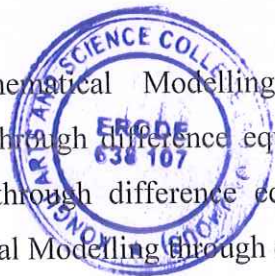
Mathematical Modelling through Systems of Ordinary differential equations of the first order: Mathematical modelling in population dynamics, Mathematical modelling of epidemics through systems of ordinary differential equations of first order - Mathematical Models in Medicine, Arms Race, Battles and international trade in terms of systems of ordinary differential equations - Mathematical modelling in dynamics through systems of ordinary differential equations of first order.

**UNIT-II**

Mathematical Modelling through difference equations: The need for Mathematical Modelling through difference equations - some simple models - Basic theory of linear difference equations with constant coefficients - Mathematical Modelling through difference equations in economics and finance.

**UNIT-III**

Mathematical Modelling through difference equations (contd.): Mathematical Modelling through difference equations in population dynamics and genetics Mathematical Modelling through difference equations in probability theory, Miscellaneous examples of Mathematical Modelling through difference equations.



Dr. N. RAMAN  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANABURAM, ERODE

## UNIT-IV

Mathematical Modelling through Graphs: Situations that can be modeled through graphs - Mathematical models in terms of directed graphs - Mathematical models in terms of signed graphs - Mathematical models in terms of weighted graphs.

## UNIT-V

Mathematical Modelling through calculus of Variations and Dynamic Programming: Optimization principles and techniques - Mathematical modelling through calculus of variations - Mathematical Modelling through dynamic programming.

Text Book:

J. N. Kapur, "Mathematical Modelling", Willey Eastern Limited, Reprint 2000.

Unit I - Chapter 3: 3.1, 3.2, 3.5, and 3.6

Unit II - Chapter 5: 5.1 to 5.3

Unit III- Chapter 5: 5.4 to 5.6

Unit IV- Chapter 7: 7.1 to 7.4

Unit V - Chapter 9: 9.1 to 9.3

Books for Reference:

1. Glenn Marion and Daniel Lawson, "An Introduction to Mathematical Modelling", 2008.
2. J. N. Kapur, Mathematical Modelling, Willey Eastern Limited, Reprint, 2000.
3. M. Crossand A. O. Mosercadini, "The Art of Mathematical Modelling", Ellis Harwood and John Wiley, 1966.
4. C. Dyson, Elvery, "Principles of Mathematical Modelling", Academic Press, New York, 1971.
5. D. N. Burghes, "Modelling with Difference Equations", Ellis Harwood and John Wiley, 1975.

QUESTION PAPER PATTERN		
SECTION – A	SECTION – B	SECTION – C
10x2=20 Marks (Answer 10 Questions out of 12 )	5 x 7 = 35 Marks (Either or choice) Two questions from each unit	3x15 = 45 Marks (Answer any three questions) One question from each unit



Dr. N. RAMAN  
PRINCIPAL, HEAD OF THE DEPARTMENT  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS) DEPARTMENT OF MATHEMATICS  
NANJANAPURAM, ERODE - 638 107  
(AUTONOMOUS)  
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# **KONGU ARTS AND SCIENCE COLLEGE**

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# **ACTIVITIES**



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS

Extension Activity on 1<sup>st</sup> August 2019

**KONGU ARTS AND SCIENCE COLLEGE**  
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**DEPARTMENT OF MATHEMATICS**  
Extension Activity  
Our II-M.Sc Mathematics Students for teachers I  
Special School. They provided the needy things and  
lunch.


Date : 01.08.2019  
Venue : Udayam Special School, Chennimalai.




Our II-M.Sc., Mathematics students visited Udayam Special School, Chennimalai on 1<sup>st</sup> August, 2019. They provided the needy things and lunch. They also conducted games and distributed prizes for the children. The main objective of the programme was to improve Teaching skills for our Students.



Beneficiaries : 41 Students

  
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DEPARTMENT OF MATHEMATICS  
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Dr. N. RAMAN  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
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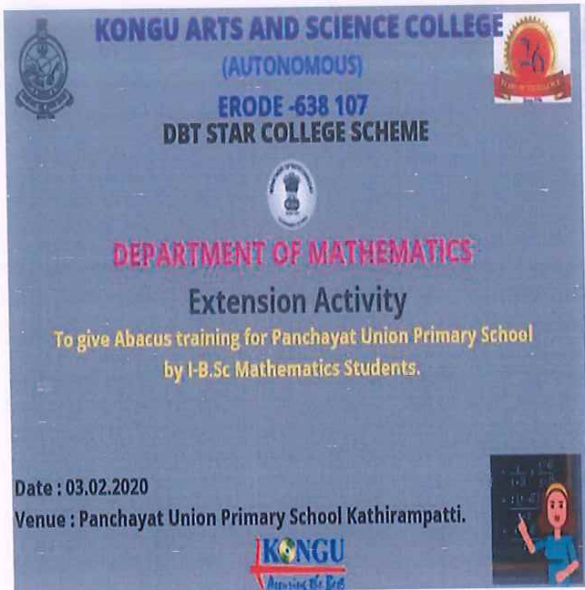




# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS


Extension Activity on 3<sup>rd</sup> February 2020



Our I-B.Sc Mathematics students visited Panchayat Union Primary School at Kathirampatti on 3<sup>rd</sup> February, 2020. They also conducted games and distributed prizes for the children. Abacus training was given to make simple methods of calculations. The main objective of the programme was to make mathematical calculations more easier and simple using Abacus.



Beneficiaries : 120 Students

  
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KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
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Dr. N. RAMAN  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS

Extension Activity on 12<sup>th</sup> September 2019

**KONGU ARTS AND SCIENCE COLLEGE**  
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DBT STAR COLLEGE SCHEME

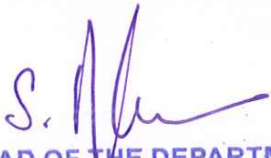
**DEPARTMENT OF MATHEMATICS**  
Extension Activity  
Our I-B.Sc Mathematics Students Visited Apex School for Deaf and Dumb. Taught Mathematical calculations using playway method, Conducted games and distributed prizes for the children.

Date : 12.09.2019  
Venue : Apex School for Deaf and Dumb, Perundurai.


Our I-B.Sc., Mathematics students visited Apex School for Deaf and Dumb, Slatterpuram, Perundurai 12<sup>th</sup> September, 2019. They provided the needy things and Refreshment. Also they taught Mathematical calculations using playway method, Conducted games and distributed prizes for the children. The main objective of the programme is to help disabled childrens.



Beneficiaries : 120 Students

  
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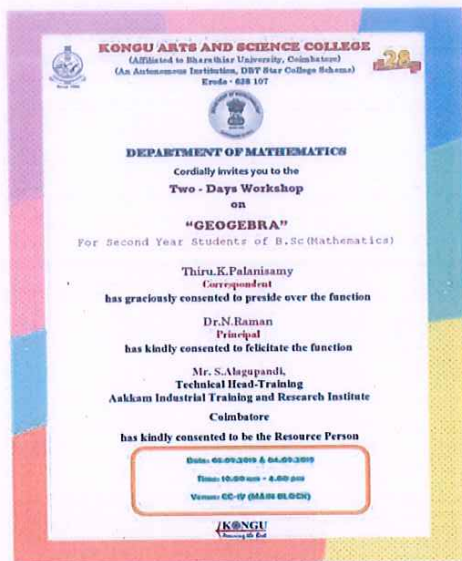
  
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PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS


Two Days Workshop on Geogebra – 03.09.2019 & 04.09.2019




Our Department has organized the Workshop on Geogebra, for II-B.Sc(Mathematics) students on 3<sup>th</sup> and 4<sup>th</sup> September 2019, has been conducted by the Resource person Mr. S. Alagupandi, Technical Head-Training, Aakkam Industrial Training and Research Institute, Coimbatore. The main objective of the programme was to improve their Geogebra Program Knowledge and Coding.



Beneficiaries : 120 Students

  
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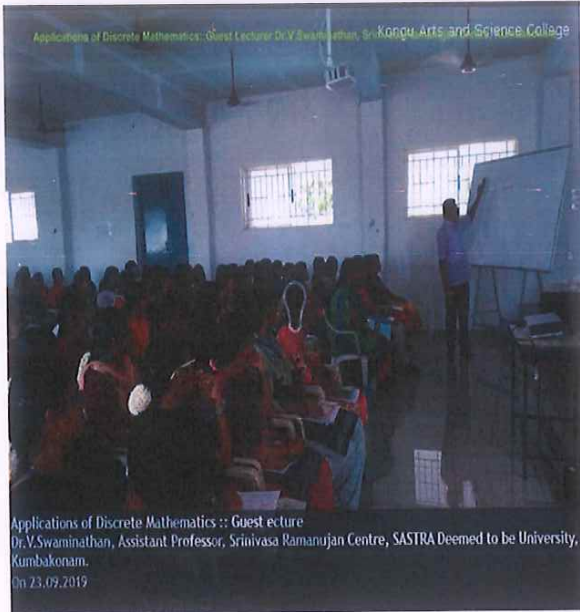
  
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PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

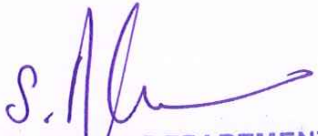
## DEPARTMENT OF MATHEMATICS

### Guest Lecture on Applications of Discrete Mathematics – 23.09.2019



Our Department conducted Guest Lecture on 23.09.2019 on the Title " Applications of Discrete Mathematics", which was addressed by the Resource Person Dr. V.Swaminathan, Assistant professor, Sastra University, Kumbakonam. The objective of the program is to know the fundamental application of discrete mathematics.

Beneficiaries: 121 Students

  
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DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
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PRINCIPAL,  
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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.


## DEPARTMENT OF MATHEMATICS

**Industrial Visit on 24-8-2019**




Our Department has organized an industrial visit to Fluid Control Research Institute, Kerala on 24.8.2019 for I-B.Sc Mathematics Students. Our students gained knowledge about Fluid Control Process.

Beneficiaries : 120 Students

  
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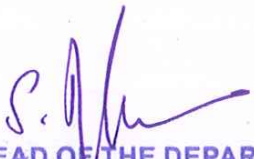
## DEPARTMENT OF MATHEMATICS

**Industrial Visit on 17.02.2020**




Our Department has organized an industrial visit to visvesvarya industrial and technological museum, Bangalore on 17.02.2020. Our students gained knowledge on physics measurement, wave of electricity production and space science.

Beneficiaries : 120 Students

  
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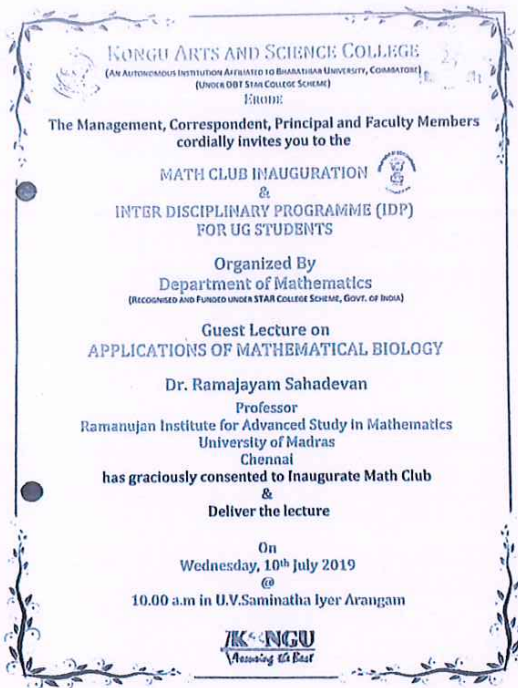
  
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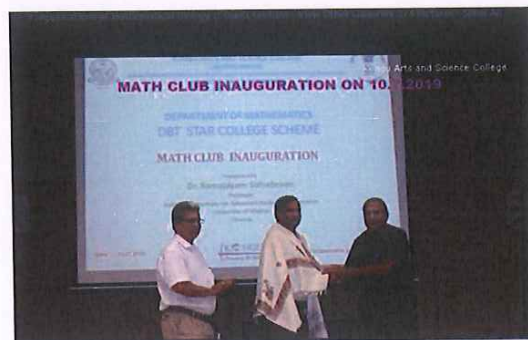
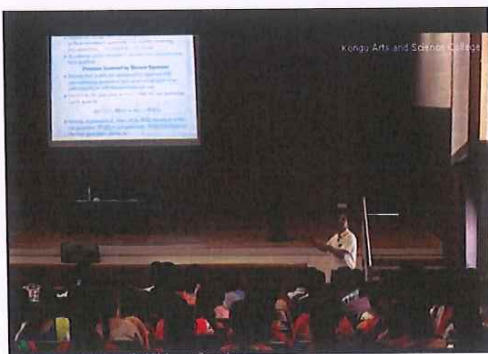
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## DEPARTMENT OF MATHEMATICS


### MATH CLUB INAUGURATION & INTER DISCIPLINARY PROGRAMME – 10.07.2019




Math Club Inauguration and Inter Disiplinary Programme (IDP) for UG Students were conducted on 10.07.2019 respectively with graciously consented to inaugurate Math Club and deliver the lecture by Dr.Ramajayam Sahadevan, Professor, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai. The students of Mathematics department were participated. The main objective of the programme was to improve their self Motivation and self Analyzing skills.



Beneficiaries : 360 students

  
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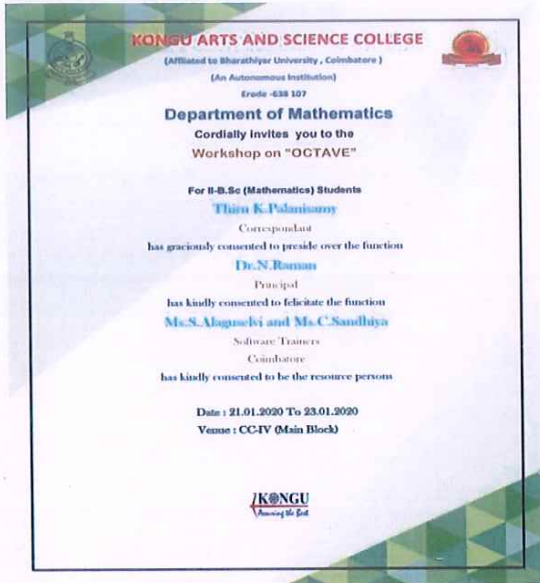
  
Dr. N. RAMAN  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS


Three Days Workshop on OCTAVE – 21<sup>st</sup>, 22<sup>nd</sup> & 23<sup>th</sup> January 2020




Our Department has organized the Workshop on Octave, for II-B.Sc (Mathematics) students on 21.01.2020 To 23.01.2020, has been conducted by the Resource persons Ms. S. Alaguselvi and Ms. C. Sandhya, Software Trainers, Coimbatore. The main objective of the programme was to improve their Octave program knowledge and coding.



Beneficiaries: 121 Students

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107.



  
Dr. N. RAMAN  
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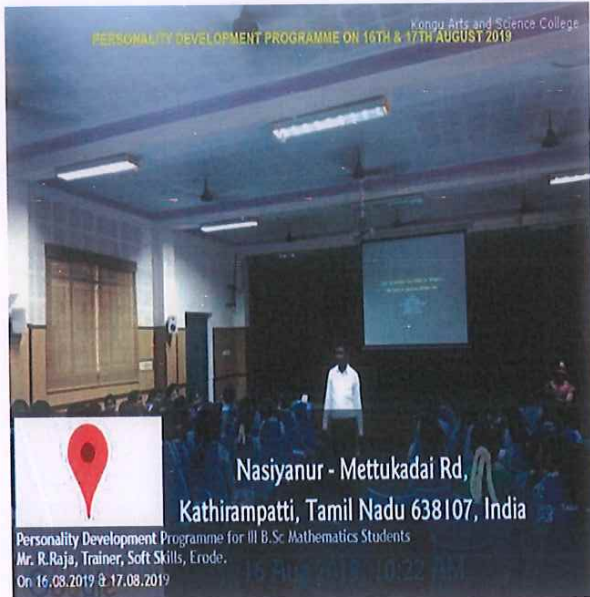




# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.


## DEPARTMENT OF MATHEMATICS

Personality Development Programme – 16<sup>th</sup> & 17<sup>th</sup> August 2019



Our Department has organized the Personality Development Programme for III-B.Sc. (Mathematics) students on 16.08.2019 and 17.08.2019, has been conducted by the Resource person Mr. R. Raja, Trainer, Soft Skills, Erode. The main objective of the programme was to improve personality development and skill development for their placement.

Beneficiaries : 121 Students

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
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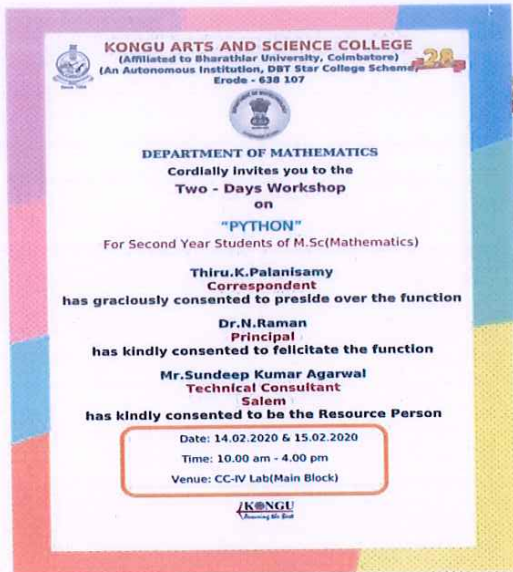
  
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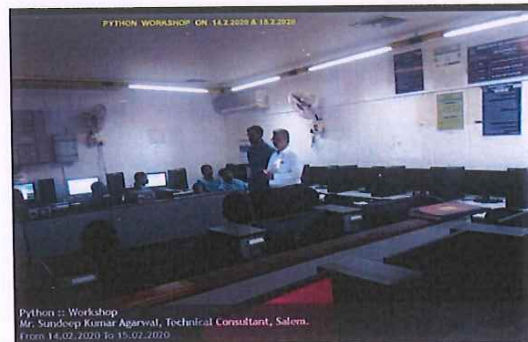
# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS


Two Days Workshop on PYTHON – 14.02.2020 & 15.02.2020




Our Department has organized the Workshop on Python, for II-M.Sc(Mathematics) students on 14<sup>th</sup> and 15<sup>th</sup> February 2020, has been conducted by the Resource person Mr. Sundeep Kumar Agarwal, Technical Consultant, Salem. The main objective of the programme was to improve their Python program knowledge and coding.



Beneficiaries : 40 Students

  
HEAD OF THE DEPARTMENT  
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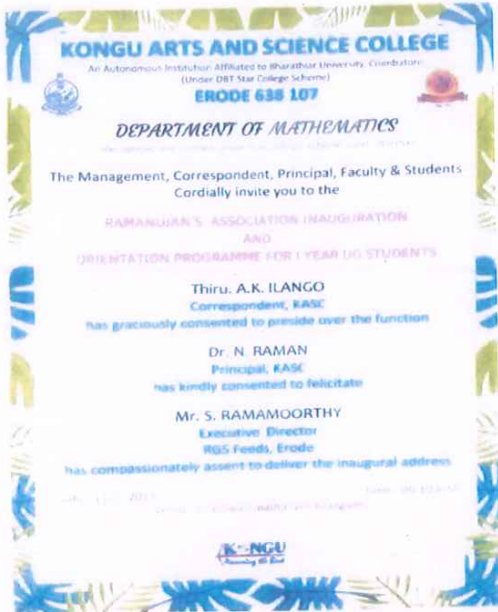
  
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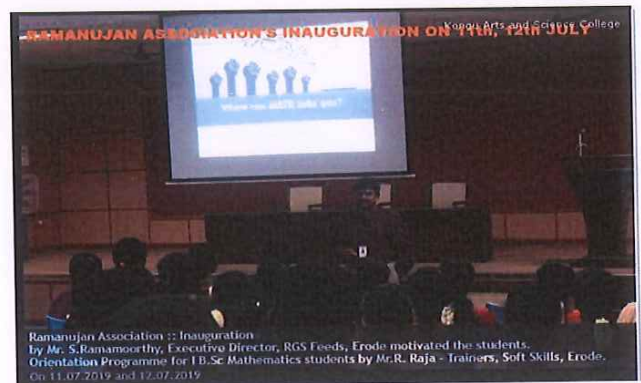
# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS


### RAMANUJAN'S ASSOCIATION INAUGURATION – 11.07.2019 & 12.07.2019




Ramanujan's Association Inauguration and Orientation Programme for I Year students were conducted on 11.07.2019 & 12.07.2019 respectively with Compassionately assert to deliver the Inaugural Address by Mr.S.Ramamoorthy, Executive Director, RGS Feeds, Erode. The main objective of the programme was to improve their self Motivation and self analyzing skills.



Beneficiaries : 120 Students

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
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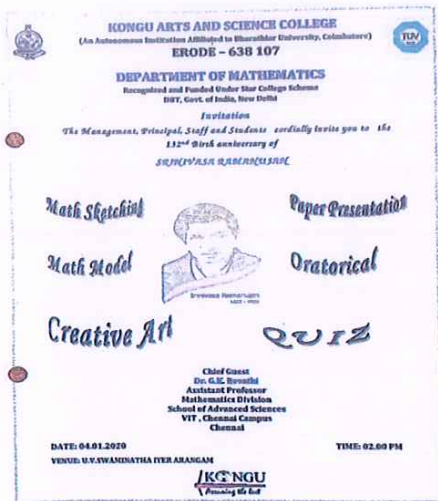
  
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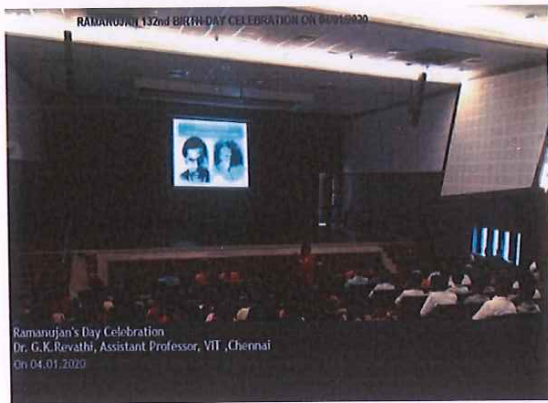
# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS

### RAMANUJAN'S DAY CELEBRATION – 04.01.2020



Ramanujan's Day Celebration was conducted on 04.01.2020. Dr. G.K.Revathi, Assistant Professor, VIT, Chennai shared her expertise experience. Various competitions were conducted for the students to exhibit their talents in Mathematics. The objective of the programme is to exhibit the talents of the students in various fields.



Beneficiaries : 430 Students

*S. N. Ram*  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
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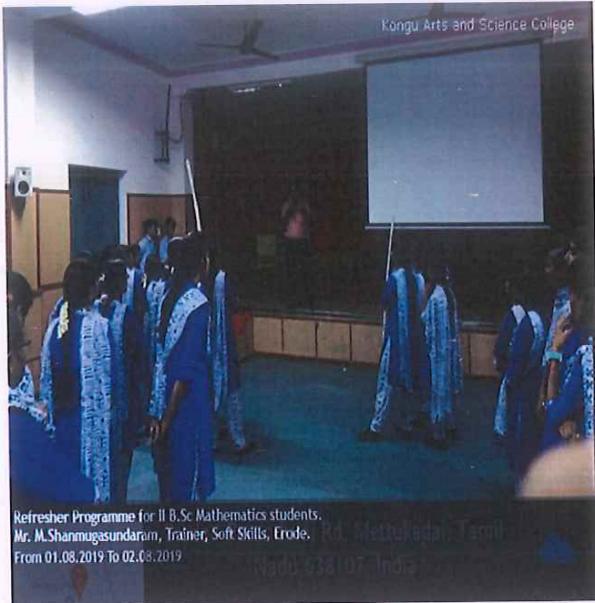
*N. Ram*  
Dr. N. RAMAN  
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# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.


## DEPARTMENT OF MATHEMATICS

### Refresher Programme – 1<sup>st</sup> & 2<sup>nd</sup> August 2019



The Department has organized the Refresher Programme for II-B.Sc(Mathematics) students on 01.08.2019 to 02.08.2019, has been conducted by the Resource person Mr. M. Shanmugasundaram, Trainer, Soft Skills, Erode. The main objective of the programme was to improve personality development and language skills.

Beneficiaries : 121 Students

  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107.



  
Dr. N. RAMAN  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107



# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS

State Level Seminar on Mathematical Physics and Quantum Matters  
- 24.02.2020

Kongu Arts and Science College  
(Autonomous)  
DIT STAR COLLEGE SCHEME  
Departments of Mathematics and Physics  
Inter Disciplinary Programme  
State Level Seminar  
on  
Mathematical Physics and  
Quantum Matters  
24 February 2020  
**REGISTRATION FORM**

Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Department: \_\_\_\_\_  
Name of the Institution: \_\_\_\_\_  
Address: \_\_\_\_\_  
Mobile Number: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Accommodation required? : Yes/No  
Details of Payment: \_\_\_\_\_  
Registration Fee: \_\_\_\_\_  
DD No. & Date: \_\_\_\_\_  
Bank Name: \_\_\_\_\_  
Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of the Participant

### ORGANIZING COMMITTEE

**Patron - in - Chief**  
Thiru. K.Palanisamy  
Correspondent

**Patron**  
Dr. N. Raman  
Principal

**Covensor**  
Dr.S.Nagapalan  
Head, Department of Mathematics,  
E-mail : profnagapalan@gmail.com  
Mobile : 98428 37128

**Organizing Secretary**  
Mr.K.Madhavan

**Head, Department of Physics,**  
E-mail : madhavan@gmail.com  
Mobile : 98551 47999

**Joint Organizing Secretaries**  
Mr. D.Sivakumar ; Mr. C.Rohamani  
Mobile : 99761 69684  
Mr.R.Chitra ; Mr.T.Akasharajyan  
Mobile : 99944 15531

### INVITED TALKS

**Dr. Srinivasa Rao Manam**  
Professor, IIT, Chennai  
Topic: Wave Interaction with  
Fibrous Vertical Plates  
(Theory)

**Dr. R.Sivaraj**  
Senior Ass. Professor, School  
of Advanced Sciences, VIT,  
Vellore.  
Topic: Numerical Solutions to  
Cauchy's Transport  
Properties of Nanofibers

**Dr. L. Senthilkumar**  
Professor, Bharathiar  
University, Coimbatore  
Topic: Density Functional  
Theory and 2-Dimensional  
Materials

STATE LEVEL SEMINAR  
on  
Mathematical Physics and Quantum  
Matters  
(Conducted under DIT Star College Scheme)  
24 February 2020



Inter Disciplinary Programme  
Jointly Organized by



Department of Mathematics  
&  
Department of Physics

KONGU ARTS AND SCIENCE COLLEGE  
(Autonomous)  
Erode-638 107

Tel : 0424-2242800  
Fax : 0424-2242810  
E-mail : kongsuarts@gmail.com  
kongsuarts@gmail.com  
Website : www.kasc.ac.in



State Level Seminar on Mathematical Physics and Quantum Matters was conducted on 24.02.2020. The invited guests are Dr.Srinivasa Rao Manam, Professor, IIT, Chennai, Dr.R.Sivaraj, Senior Assistant Professor, School of Advanced Sciences, VIT, Vellore and Dr.L.Senthilkumar, Professor, Bharathiar University, Coimbatore.



Beneficiaries : 360 Students

*S. N. R.*  
**HEAD OF THE DEPARTMENT  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107.**




*N. R.*  
**Dr. N. RAMAN  
PRINCIPAL,  
KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
NANJANAPURAM, ERODE - 638 107.**





# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS

Webinar Lecture Series on – 21.05.2020


 **KONGU ARTS AND SCIENCE COLLEGE**  
An Autonomous Institution Affiliated to Bharathiar University, Coimbatore  
Re-accredited by NAAC, DBT STAR College Scheme  
Erode, Tamilnadu

  
**DEPARTMENT OF MATHEMATICS**  
Cordially welcomes you all for the  
DBT STAR College Scheme Sponsored  
Webinar Lecture Series on  
"CONVERGENCE, CONTINUITY AND ITS APPLICATIONS"

Resource Person  
  
**Dr. D. Easwaramoorthy**  
Assistant Professor (Senior)  
School of Advanced Sciences  
Vellore Institute of Technology  
Vellore - 632 014.

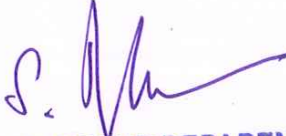
Date : 21 May 2020  
Time : 10:00 a.m. to 11:30 a.m.

Exclusively for KASC Mathematics Students

  
JK\*NGU  
Achieving the Best

Our Department has organized the Webinar lecture series on "CONVERGENCE, CONTINUITY AND ITS APPLICATIONS, for Mathematics students on 21.05.2020 , has been conducted by the Resource person Dr.D.Easwaramoorthy, Assistant Professor, School of Advanced Sciences, Vellore Institute of technology, Vellore. The objective of the programme is to gain knowledge in Algebra.

Beneficiaries: 360 Students

  
**HEAD OF THE DEPARTMENT**  
DEPARTMENT OF MATHEMATICS  
KONGU ARTS AND SCIENCE COLLEGE  
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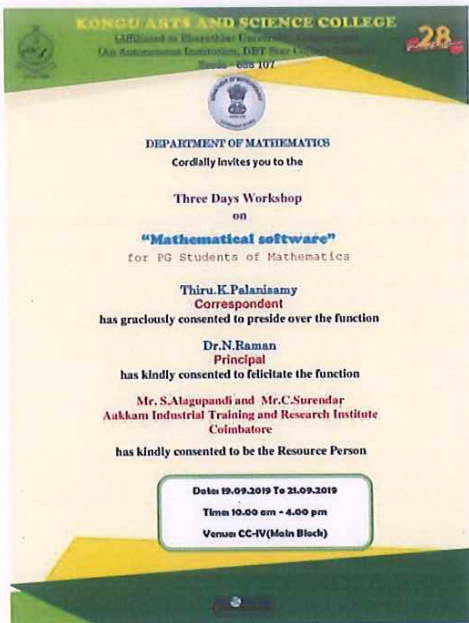
  
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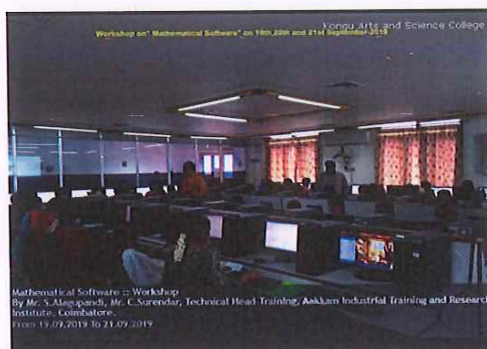
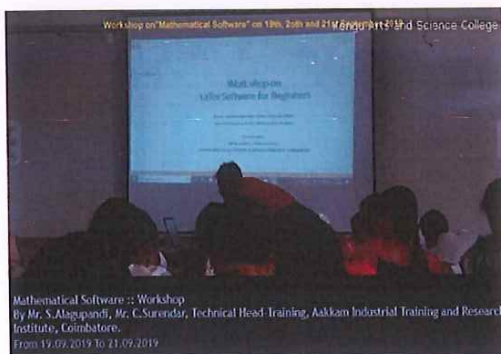
# KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE.

## DEPARTMENT OF MATHEMATICS


Workshop on Mathematical Software – 19<sup>th</sup>, 20<sup>th</sup> and 21<sup>st</sup> September 2019



The Department has organized the Workshop on Mathematical Software, for I-M.Sc(Mathematics) and II-M.Sc(Mathematics) students on 19.09.2019 to 21.09.2019, has been conducted by the Resource persons Mr. S.Alagupandi and Mr.C.Surendar, Technical Head-Training, Aakkam Industrial Training and Research Institute, Coimbatore. The main objective of the programme was to improve their programming knowledge and coding.



Beneficiaries: 69 Students

  
**HEAD OF THE DEPARTMENT  
 DEPARTMENT OF MATHEMATICS  
 KONGU ARTS AND SCIENCE COLLEGE  
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 ERODE - 638 107.**



  
**Dr. N. RAMAN  
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