

### Program Schedule:

On March 14<sup>th</sup> 2019

- 09.00 – 09.30 Reporting Time  
09.30 – 10.00 Inauguration  
10.00 – 10.20 Internships, Scholarships  
In Mathematics  
- Dr. S. Kanaga Vel.  
10.20 – 10.40 Problems and Solutions – An  
easy approach  
- Ms. J. Udayageetha  
10.40 – 11.00 Applications of Mathematics  
- Dr. V. Indira.  
11.00 – 11.15 Tea Break  
11.20 – 12.00 Quiz in Mathematics  
11.20 – 12.00 Mathematical Ability Test  
12.00 – 01.00 Poster Presentation  
01.15 – 02.00 Lunch  
02.00 – 02.30 General Aptitude Test  
02.30 – 02.45 Introduction to Number  
Theory - Dr. G. Rajmohan.  
02.45 – 03.30 Distribution of Prizes and  
Certificates



The only way  
to learn  
**mathematics**  
is to do  
**mathematics.**

PAUL MALMOS

### Address for Communication:

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### Outcome of the program:

- To maximize the analytical, inter and intra personal skills of the stakeholders.
- To explore their inherent potential towards Mathematics



**PERUNTHALAIVAR KAMARAJAR ARTS  
COLLEGE, KALITHEERTHALKUPPAM,  
PUDUCHERRY**

(An institution functioning under the aegis of Pondicherry  
Society for Higher Education, Government of Puducherry,  
NAAC Accredited with 'B' Grade,  
Included under 2(f) and 12(B) of UGC Act)

**ORGANIZES**

An Inter-Collegiate Competition In  
Mathematical Skills

**$\pi$  – DAY 2019  
@PKAC**

**MARCH 14<sup>th</sup> 2019**

ORGANIZING CHAIR

**Dr. S. Babu**

**Principal**

CONVENORS

**Dr. S. Kanaga Vel, Dr. G. Rajmohan**

**Assistant Professors**

**Department of Mathematics, PKAC**

CO- CONVENORS

**Dr. V. Indira,**

**Ms. J. Udayageetha,**

**Mr. V. C. Kalimuthu**

**Assistant Professors**

**Department of Mathematics, PKAC**



## OUR COLLEGE

Perunthalaivar Kamarajar Arts College was founded in 1998, as an annexure of Tagore Arts College and then affiliated to Pondicherry University. The college is administrated by the Pondicherry Society for Higher Education (PONSHE), Government of Pondicherry. It is established in a sprawling area of 7.3 acres and has the required state-of-art infrastructure facilities to cater the educational needs of the rural students. The college has 2f, 12B status and has been accredited B grade by NAAC. The college offers five UG Courses of which permanent Affiliation of two courses viz, B.Sc. (Mathematics) and BA (Tamil). The infrastructure facilities provided in the college: Reverse Osmosis water, Playground, Library, Reading room, free Wi-Fi access, Language Lab, SWAYAM Courses, Scholarships, hostel etc.

## OUR DEPARTMENT

The Department of Mathematics at Perunthalaivar Kamarajar Arts College was established in the year 1998 with an under graduate course. Initially, the students strength was 30. Since then the department has been climbing the ladder of success and by 2010, the intake was increased to 44 students. It was further increased to 50 during the academic year 2016-17. The highly qualified faculty members in the department are actively engaged in teaching, research and continuing education programmes. At present, the department consists of five faculty members; four doctorate degrees with CSIR – NET qualifications.

**VISION** To impart sufficient mathematical foundation to the rural students enabling them to become mathematical thinkers and life-long learners.

**MISSION** To provide an environment where rural

students can learn and become competent users of mathematics and mathematical applications. In pursuing this mission, primary departmental functions are the development, dissemination and application of mathematical knowledge.

**PROGRAM OBJECTIVES** The main objective of this program is to provide a platform for students to exchange their ideas, to communicate and discuss new advancements in Mathematics.

**ABOUT THE COMPETITION:** Pi day is annual celebration of the mathematical constant  $\pi$ . Pi day is observed on March 14, since 3,1,4 are the first three significant digits of  $\pi$  in its decimal representation.

## DETAILS OF COMPETITIONS

1. Quiz in Mathematics
2. Mathematical Ability Test
3. Poster Presentation (Oral/PPT)
4. General Aptitude Test

## POINTS TO REMEMBER

- ❖ Registration is free and no spot registration.
- ❖ To participate in any competition a two member team can be sent by a college. The students are from I, II or III year B.Sc. Mathematics/Statistics.
- ❖ A student can participate in exactly one competition.
- ❖ College can send a faculty member to accompany the students.
- ❖ Students of any discipline can participate the General Aptitude test only.
- ❖ Participants must bring their college identity cards and arrange themselves to reach our institution.
- ❖ The decision of the judges will be the final for each competitions.
- ❖ Lunch will be provided for registered students

## DATES TO REMEMBER

Registration Deadline: **March 11<sup>th</sup>, 2019.**

Registration Confirmation: **March 12<sup>th</sup>, 2019.**

Registration can also be done thro'



### 1. Quiz in Mathematics

A two member of UG final year students can participate in the Quiz. Questions will be focused on the topics viz, Set theory, Number theory, Group theory, Real and Complex Analysis, Matrices and determinants at their UG level. The purpose of this Quiz session is to create an awareness of the students to solve twisted questions.

### 2. Mathematical Ability Test

In this session, students can brush-up their basic knowledge on various topics of mathematics. Students have to answer 50 objective questions within 30 minutes.

### 3. Poster Presentation (Oral/PPT)

This session gives a path to bring out the pictorial ideas of the students under the theme "PROOF WITHOUT WORDS". "MATHEMATICAL CONSTANTS" is the theme for power point presentation.

### 4. General Aptitude Test

Students have to develop problem solving skills as a part to get success in various competitive examinations. This test will help towards their goal. A set of objective questions will be given to the contestants and they have to answer them with in the mentioned time limit.







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(Accredited by NAAC with 'B' grade)

KALITHEERTHALKUPPAM, PUDUCHERRY-605110

## INTERNAL QUALITY ASSURANCE CELL

### Department of Mathematics

π MAY 20 2024 NAAC  
Internal Quality Assurance Cell





Perurthalaivar Kamraj Arts College  
Kalitheerthalkuppam.

Department of Mathematics  
Minutes of the meeting

Agenda: Conduct of  $\pi$ -day celebration.

Discussion: A department meeting was convened among all the staff members of the department on 20.02.2019 at 10:30 A.M in the department to discuss about  $\pi$ -day celebration.

⇒ It was proposed to conduct an "Intercollegiate competition in Mathematical skills" on 14.03.2019 (i.e.) on  $\pi$ -day in the name " $\pi$ -day 2019 @ PKAC."

⇒ It was also decided to provide lunch for all the participants and our department students.

⇒ Various committees were formed for the following activities of the  $\pi$ -day 2019 @ PKAC.

- (i) Invitation committee
- (ii) Certificate committee
- (iii) Reception & Registration committee
- (iv) Stage decoration committee.

It was decided to include the student volunteers also for the above committees to help the staff members.

⇒ It was proposed to have the following agendas in the  $\pi$ -day celebration.

2. Inauguration of Mathematics club: "MAXIMA"

3. Special talk by the staff members

(i) "Internships, scholarships in Mathematics" by  
Dr. S. Kanagavel.

(ii) "Problems and solutions - An easy approach"  
by - Ms. J. Udayageetha.

(iii) "Applications of Mathematics" - by  
Dr. V. India

(iv) "Introduction to Number theory" - by  
Dr. G. Rajmohan.

4. Competitions 5. Validictory functions.

⇒ The list of competitions suggested are

(i) Quiz in Mathematics

(ii) Mathematical ability test

(iii) Poster presentation (oral / PPT)

(iv) General aptitude test.

⇒ Mr. V. C. Kalimuthu expressed his willingness  
to be the incharge for Quiz competitions

⇒ Ms. J. Udayageetha accepted to prepare the  
Question paper with key for Mathematical  
ability test and Dr. V. India accepted to  
prepare the Question paper with key for  
General aptitude test.

⇒ Dr. S. Kanagavel & Dr. G. Rajmohan accepted  
to motivate and guide the students for  
to participate and involve themselves in



Dr. G. Rajmohan will be the convener and remaining staff members of the department will be co-convener of the program.

⇒ The approximate budget was prepared for conduct of this program and it was around Rs 18,000/-. It was decided that apart from the amount of Rs 2000/- which can be claimed from the college, the remaining amount will be shared by the department staff members.

⇒ It was suggested to give certificates for all the prize winners and <sup>also</sup> the participants of other colleges.

⇒ It was also decided to invite students from other departments for the general aptitude test.

All the ~~above~~ staff members of the department unanimously have taken all the above decision for the conduct of "7-day 2019 @ PKAC"

The meeting ended at 12:00 Noon.

Staff Name	Signature
Dr. S. Kanagavel	S. Kanagavel
Dr. G. Rajmohan	<u>G. Rajmohan</u>
Dr. V. Indira	<u>V. Indira</u>
Ms. J. Udayageetha	Udayageetha
Ms. V. C. Kalimuthu	<u>V. C. Kalimuthu</u>

23.03.2019.

Perunthalaiwar Kamarajar Arts College  
Kalitheerthalkuppam

Department of Mathematics  
Minutes of the Meeting

A meeting was convened among all the department staff members on 23.03.2019. HOD thanked all the department staff members for their fullest cooperation for the conduct of "7-day 2019 @ PKAC". He appreciated all the staff members for their involvement and dedication towards the successful accomplishment of all the activities of the program as per our plan and decisions made in the previous meeting dt: 20/2/19.

He expressed his special thanks to Dr. S. Kanagavel, for his ~~big~~ enormous support towards the preparation of CD, which was released at the time of inauguration of Mathematics association in "7-day 2019 @ ~~PKAC~~ PKAC". He also told that the e-books and magazines written in CD will help all the students for the enrichment of their Mathematical skills.

The feedback collected from the other college participants and staff members. The important points



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Finally the expenses incurred towards the conduct of X-day was shown to all the staff members and it was Rs. 18,830/-

Total expenses — 18,330/-

Amount Recd from } — 2000/-  
PKAC office }  

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16,330/-

The balance amount Rs 16,330/- was shown by the department of staff members.

Staff Name	Signature
Dr. S. Kanagavel	S. Kanagavel
Dr. G. Rajmohan	G. Rajmohan
Dr. V. Indira	V. Indira
Dr. J. Udayageetha	Udayageetha
Mr. V. C. Kalimuttu	V. C. Kalimuttu