P.K.M. COLLEGE OF EDUCATION

MADAMPAM, KAITHAPRAM PO, KANNUR-670631, Website-www.pkmcollege.org Govt. Aided Teacher Education Institution affiliated to Kannur University Recognized by NCTE and included under UGC 2(f) & 12B category Accredited by NAAC with 'A' Grade, RUSA 2.0 beneficiary

PROGRAMME PORTFOLIO

DEPARTMENT OF MATHEMATICS 2017 - 19

P K M COLLEGE OF EDUCATION, MADAMPAM

REPORT OF MATHEMATICS 2017-19

SEMESTER- I

The first optional class for 2017-19 batch BEd PKM college students was on 21st august 2017.The class were begin with initiation ceremony.

Subject competency test:

Conduct a subject competency test on 31st august 2017 based on application level questions of mathematics.

Sl. no	Name of the students	Marks(total marks=20)
1	Akash K	
2	Anju	
3	Athira Sagar	
4	Jimna P	
5	Jini Joy	
6	Neetu V	
7	Subina T	

WhatsApp group:

A Whatzapp group were created including all the members of the class and the teacher to solve puzzles on a daily basis.

Puzzle presentation:

Every class were began with puzzle presentations by anyone student of the class

Class presentation:

Five minutes class presentation on any topic in Mathematics done by any member of the class.

All members of the class collected definitions of Mathematics individually.

Days of remembrance:

For the remembrance of great Mathematicians all members of the class had took seminar on their birth/death days for the tribute to them. This will help to know more about their excellent contributions to the world history. We celebrated the following days for the remembrance.

Sl. No	Name of the mathematician	Date	Seminar presented by
1		20/09/2017	Jini Joy
2		25/09/2017	Jimna P
3		03/10/2017	Akash K
4		06/10/2017	Neethu V
5		06/10/2017	Subina T
6		02/11/2017	Athira Sagar
7		03/11/2017	Shebin K Raju

Seminar presentation:

All the student teachers presented seminar on any one topic of their choice in the syllabus. The table below will show the details.

Sl. No	Topic	Date	Seminar present by
1	Qualities of Mathematics teacher	22/09/2017	Athira Sagar
2	Correlation of mathematics within the subject and with other subject	10/10/2017	Neethu V
3	Nature of Mathematics	25/10/2017	Subina T
4	Professional growth of mathematics teacher and the role of NCERT and SCERT in professional growth	08/11/2017	Jimna P
5	Problem solving method and projective method	17/11/2017	Shebin K Raju
6	Different teaching techniques of mathematics	14/12/2017	Jini Joy
7	Curriculum framework	27/12/2017	Akash K

Collaborative Learning:

Collaborative learning was done on behaviourist theories, cognitive constructivist theories, socio-cultural constuctivist theories of learning.

Picture Album:

Each member of the class prepared a picture album of the mathematicians

Geometrical Patterns:

Each member of the class prepared a book which consist of different geometrical patterns . These patterns helped us a lot in teaching learning process.

Number patterns:

Curricular Objectives:

Curricular objectives of class 8, 9, 10 were prepared by every members of the class to get the deep knowledge about the text book .Thus can help us to teach in a more comprehensive way.

Achievements:

- **Regional level achievement:**

    Anju and Athira Sagar got 1st prize in Gandhi quiz conducted by social science club at PKM College Madambam on 03/10/2017.

- **University level achievement:**

    Sbebin K Raju got 3rd prize in a debate competition on 10th October 2017 conducted by district information centre and Kannur University at Krishnamenon memorial college Kannur.

SEMESTER -II

Puzzles presentation:

Evereyday five puzzles were presented by any one member of the class. These puzzles created interest and curiosity among us. Our thinking and reasoning were stimulated.

Seminar presentation:

I.Abina K B   - Importance and characteristics of teachers handbook and workbook.

II.Bisna Benny   - Need and importance of statistics, graphical representation data, mesures of central tendency and measures of variability.

about educational evaluation.

IV.Rafeena T P   - Pedegogical analysis of Mathematics.Need and

of Reference books, pereodicalsjournals, resource CD's,

e-materials, supplementary readers.

V.Sneha Rose K – Correlation : Types of correlation coefficients, interpreting

testscores and norms, profiles, cautions in interpreting

test scores.

VI.Sreya K   - Theoretical fountations of learning and assesments.

VII.Teena P John - Use and importance of Mathematics library and Mathematics laboratory.

Days of remembrance:

We collected the birth and death days of famous Mathematicians and each of the members had took seminars about them. And also on 14th March we celebrated π day by presenting a seminar about that day.

Microteaching:

kill of probing question

1. Bisna Benny
2. Abina K B
3. Sreya K
4. Miranta Jose

Skill of illustrating with example

1. Teena P John
2. Rafeena T P

Skill of stimulus variation

2. Sreya K

School acclimatization programme:

We went to different schools for school acclimatization programme, which

Name of the student	Name of the school
Abina K B	G.H.S.S, Sreekandapuram
Bisna Benny	G.H.S.S, Irikkur
Miranta Jose	G.H.S.S, Nedungome
Rafeena T P	K.P.C.H.S,Pattannur
Sneha Rose K	G.H.S.S, Irikkur
Sreya K	G.H.S.S, Sreekandapuram
Teena P John	Maryland H.S, Madampam

Project :

The students were divided into two groups. The topics of 1st and 2nd groups are "Application level questions of average" and "Application level questions of L.C.M" respectively. Each groups conducted a test based on the above topics for the ninth standard students of different schools at the school acclimatization programme.

The first group members :

1. Abina K B
2. Miranta Jose
3. Sreya K
4. Teena P John

The second group members :

1. Bisna Benny
2. Sneha Rose K
3. Rafeena T P

Year plan :

Year plan is prepared by the teacher at the beginning of the year for the entire academic year. The year plan contains various units for each months, objectives and number of periods assigned for each units.

Unit plan :

Unit plan is prepared by the teacher at the beginning of the each unit. It contains objectives and number of periods assigned for unit.

Lesson plan :

A proper planning of the lesson is key to effective teaching . A lesson plan indicates aims to be realized by teaching a lesson, the method to be employed and the activities to be undertake the

DEPARTMENT OF MATHEMATICS
2017-19 BATCH