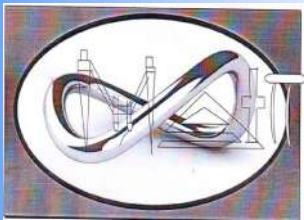
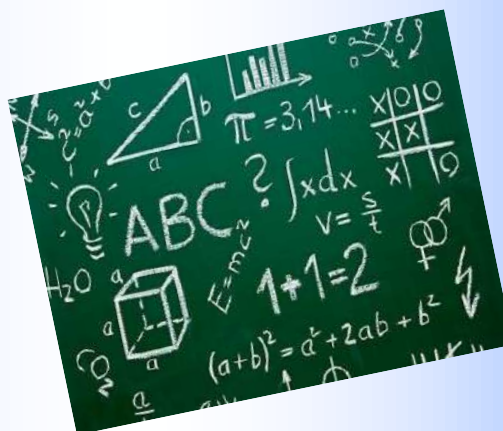
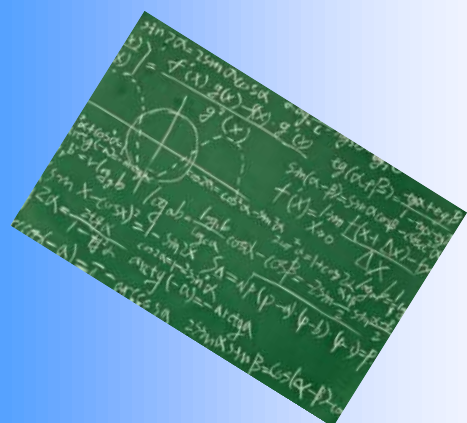
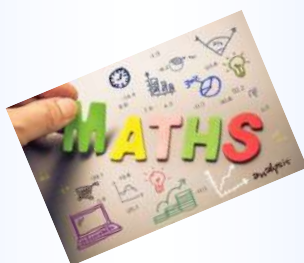


Year Book 2016-17



infinitus



**REV. DR. A O KONNULY MEMORIAL
RESEARCH CENTRE &
P G DEPARTMENT OF MATHEMATICS
ST. ALBERT'S COLLEGE(AUTONOMOUS), ERNAKULAM**

WINNERS 2016-17



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Prof. Geethu Joseph

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*"No human investigation can be called real science if it cannot be demonstrated mathematically." --
Leonardo da Vinci*

Chief Editor's Message



After a break of an unpar-
donable duration, *Infinitus*
is again on the way to
press as a year book.

The break had its reasons. First, Dr. Ramkumar, the all in all of *Infinitus*, left the service for a better opportunity. Anyway now it is on the safe hands of one of the most trusted and dedicated members of our department, Prof. Golda Mary Joseph.

Last year, we lost another stalwart also by retirement. He is none other than Dr Alexander Mendez, a father figure of our department, who had been an inspiration, guide and advisor to all of us.

We got four guest teachers as substitutes – Deepa K R, Geethu Joseph, Shimi C M and Anu Marshel. All of them rendered great service to the department. I thankfully acknowledge their dedicated service despite the hard ships they faced.

Our department clubs through which we organize different activities functioned extremely well. The reports of their activities in the pages of this publication will vouch for their exemplary performance. I take

this opportunity to thank and congratulate Dr. Shery Fernandez, Prof. Bernard K A, Prof. Golda Mary Joseph, Prof. Jeema Jose and Prof. Divya Mary Daise S who were in charge of these clubs.

When we think of last year's extension activity, the first thing that comes to my mind is an incident of previous year. One of our brilliant students Anjaly met with an accident towards the end of her final semester. When the whole department and students and teachers like Prof. Nisha Thomji of other departments were extending a helping hand to her, her own classmates cancelled the tour of their life and pooled the entire amount collected to the funds created to help her and family. The department is very proud of them and may I state they will live forever in our hearts. Keeping this tradition this year also, our students and teachers celebrated Onam with the less privileged. This time, it was with the inmates of Kacherippady mercy home. The way our students behaved there and offered love and solace to the hapless people there was commendable and heartening.

This year's Dr Konnully Memorial talk and quiz competition was notable for the fact that a handsome donation was made by the family of our beloved late Prof. A J Peter in honor of his fond memories. I thank Mr. Johnson, son of, Prof. A J Peter for the benevolence.

Many old students have offered contributions to enrich this further so as we can find sufficient money for the cash prize from the interest of what we deposit after creating a fund.

The old students association is on its renewal track. A meeting is already held and plans are made for further gatherings block wise. I thank Sri Antony Louis and Harish for their efforts in this direction.

On the academic front this year also we performed well despite some adverse situations. The result analysis in the pages following will give testimony. In the first autonomous examination held, our student Kum. Riya Biju became the top scorer in the whole college. We hope our P G students will follow the same when the results are announced soon for we have a bunch of brilliant and ever dynamic students in that class.

The students in the senior classes who are going to take their university examinations have also done well so far. One of the students in the final year, Navaneetha M R scored 10 out of 10 in her 5th semester. The final year degree students who were pets to all in the department were a super group who excelled in everything.

It was a matter of pride that all of them became serious about their tasks and were all fully geared up when their time came. As a result many of them got great appreciation from the professor who came for their project evaluation and viva.

The exiting PG students have been a group of matured and serious ones who were very focused from the beginning. They are on their way to their final semester examination and all of us hope they will come out with flying colours.

Both UG and PG students enjoyed their tour well. Their own narrations follow with photographs.

For the last many years we have been struggling to find a place in the lists of major student workshops and internships. One of the happiest things happened this year was that many of our students found

their way in such selections. I congratulate our college.

those students and thank their parents for the great support they had given to their wards. In this context I can't help congratulating Prof. Bernard who assisted and guided the students.

Our students made a record this year in participating and winning many state level competitions held this year in various colleges the details of which can be found here. The pocket money they earned will be a great inspiration next year for others too!

The ongoing KSCSTE project brought appreciations from all. We extended it to far-away places like Mankulam in Idukki. I thankfully remember the presence of our dear principal Dr. M L Joseph which made that program a special one.

Behind all the good things happened last year there is the coherent and sincere efforts of my dear colleagues who are among the best, dedicated and most efficient members of the teaching faculty of

We are thankful to the guidance and support given by Manager Rev. Fr. Antony Arackal, Asst. Manager Rev. Fr. Christy David Pathiala, and the Principal Dr. M L Joseph. We thankfully remember the assistance

given by Vice Principal Dr. Sadanandan V S, Prof. K J Benny- Controller of Examinations, Dr. Solomon- Asst. Controller of Examinations, Dr. Sabu M C - UGC coordinator and Dr. Ajith Thomas John-IQAC coordinator at different occasions for the smooth functioning of our academic and non-academic activities.

Last but not the least my heartfelt congratulations and loads of thanks to the team of students led by Nevin Jose, Jeevan Shah and Nidhin Raj who did a great work in designing and editing this beautiful piece of work. We all are very proud of these young talents.

Prof. Edwin Tomson V T

Head, Department of Mathematics

Editor's Message



The year gone by(2016-17) saw the department of Mathematics surpassing some of its own major per-

formance milestones. Three of our students got internships outside Kerala and many of our students won in many state level competitions held in various colleges. Also our students performed very well in the UG 5th semester and PG 1st semester university examinations. But last year we missed our 'inspiring guru' - Dr. Alexander Mendez by retirement and Dr. Ramkumar- who was in-charge of this magazine as he got a better opportunity at Rajagiri School of Engineering and Technology. So this year I got the opportunity for being the editor of Infinitus. The milestone of Infinitus was already fixed by Dr. Ramkumar firmly so my work was quite easier. This book is aimed at exploring the achievements and talents of our students and it reveals how our department in the last year was.

I express my sincere gratitude to Prof. Edwin Tomson who trusted me to assign this job and who had made lot of suggestions

for improving the content of this year book. Also I am grateful to all other faculty members of the department who contributed to the effort.

This book would help in understanding the challenges and I am confident that this publication will be an inspiration to the teachers and students, and provide a key insight for an enhanced comprehension of the next academic year.

I take this opportunity to thank all the students who worked for this, especially Jeevan Shah who designed the cover page, Nevin Jose and Nidhin Raj.

Prof. Golda Mary Joseph

THE BEGINNING

St. Albert's College was established in 1946. The very next year, in 1947 B.A. Degree course in Mathematics started. By 1964 M.A. Post graduate degree course started. Later on these courses were renamed as B.Sc. Mathematics and M.Sc. Mathematics respectively. Many eminent professors worked in the department. Chev. P T Thomas, Rev. Dr. Augustine Konnully, Prof. A J Peter, Rev. Fr. Raphael Ollattupuram are a few to mention. At present, the department is known as the Rev.Dr. A.O. Konnully memorial Research Centre and P G Department of Mathematics.

Rev. Dr. Augustine O Konnully was a world-renowned mathematician and philosopher. He published his research papers in international journals like American Mathematical Society, Journal of London Mathematical Society, Accademia Nazionie Dei Lincei(Italy), Beitrage Zur Algebra and Geometrie(Germany), The Journal of the Ausstralian Mathematical Society etc. His works include "Perspective Simplexes and Tucker

Quadrics", Isogonal Conjugates in E^n ", "Pivot Theorems in n-space", "An incidence relationship of Hyper sphere in E^n " and so on. He introduced a new concept in mathematics which holds the name "Vector multipliers". The rarest while University of Kerala honored him by awarding Ph.D. degree. The University also conferred him with Professor Emirates.

The department of Mathematics was elevated to a Research Centre in 1998 under the leadership of Dr. Souriar Sebastian. At present the department has 3 research guides and 11 research scholars working under them. Further as this goes to print we have received the happy news that Dr. Shery Fernandez is sanctioned guider-ship by M. G. University. Also the department have it's credit of 50 research papers published in various national and international journals.

LOOKING BACK



Dr. Alexander Mendez

I take pride in being an Albertian Mathematician. When I look back, fond memories come to my mind: of the Royal Edifice of the College looking into the heart of the city; of the great and eminent priests, professors and the efficient office staff serving in the College; the talented students, the strikes, Union Elections, Sports days, Art Festivals, Union Inaugurations, great personalities visiting the College, the healthy rivalry between student unions, great student leaders so on so forth and of course, the happy moments spent in the College. Yes, the moments I spent in the College as a student and later on as a teacher are precious to me and I keep them close to my heart.

When I joined the College as a PDC student, the first colossal figure I encountered was Rev. Dr. Augustine O. Konnullu, the World-renowned mathematician and the 'terror' to the 'ozhappans' in the College. As a degree and Post Graduate student of Mathematics, I met and 'enjoyed' literally the classes of the legendary teachers Rev. Dr. A O Konnullu, Rev. Fr. Raphael Ollattupuram, Prof. A.J.Peter, Prof.V.Baby, Prof.P N N Elayathu, Prof.V M Rockey, Prof.V P G Marar, Prof.F M Manuel, Prof.P K Zachariah, Prof.M K Pushpakaran, Prof.P B Surendran,

Dr. Souriar Sebastian, Prof. S.Narayana Iyer and Prof. N. Ramachandran. I can state very proudly that there were no parallels to them anywhere in Kerala.

There are many interesting incidents that keep on surfacing to my memory. I share only one such touching experience. Prof. A J Peter used to ask us to take seminars when we were doing M.Sc.(Those days Seminars were not a necessary component of the curriculum). When a student gets up to take the class, Peter sir would offer him a piece of chalk and say "This is my 'Gurudakshina' to you". Thus he would bless all his students!

Dr. Souriar Sebastian was instrumental in raising the department to a research Centre. He guided six College teachers to Ph.D. and one among them is my humble self.




Mathematics students were all good youth. They were energetic, studious and respectful to the teachers. In short the Mathematics Department was a 'little heaven' to me.

On this occasion I am only too happy to wish all the best to my dear friend Prof. Edwin Tomson and his team.

Our Faculty

Sl No.	Photo	Name & Details	Specialization	Departmental Duties Assigned
1		Prof. Edwin Tomson V T Head & Associate Professor M.Sc., M.Phil Ph: 9447570562 Teaching Experience: 28 years Minor Project: Completed in 2017	Non- Standard Analysis	Head
2		Dr. Shery Fernandez Assistant Professor M.Sc., M.Phil., Ph.D. Ph: 9846762450 Teaching Experience: 12 years Minor Project: Ongoing(2015 onwards)	Fuzzy G-Module	1. Tutor- 3rd B.Sc. Mathematics 2. Coordinator- Research Club 3. Coordinator- Rev. Dr. A. O. Konnullu Memorial Quiz Competition 4. Secretary- Board of Studies 5. Coordinator- Ph.D. Course Work
3		Dr. Sabu M C Assistant Professor M.Sc., M.Phil., Ph.D. Ph: 9447603122 Teaching Experience: 11 years	Applied Mathematics & Numerical Analysis	
4		Prof. Bernard K A Assistant Professor M.Sc. Ph: 9995117996 Teaching Experience: 6 years Minor Project: Ongoing(2015 onwards)	Fuzzy Mathematics & Real Analysis	1. Tutor- I M.Sc. Mathematics 2. Coordinator- Carrier, Scholarships & Higher Learning club 3. Coordinator- KSCSTE Science Popularisation Programme 4. Coordinator- Alumni Association
5		Prof. Golda Mary Joseph Assistant Professor M.Sc., M.Phil Ph: 9746771434 Teaching Experience: 6 years	Abstract Algebra	1. Tutor- 1st & 4th Sem B.Sc. Mathematics 2. Department Treasurer 3. Coordinator- Arts & Literary Club 4. DQAC- Coordinator 5. Editor- Infinitus
6		Prof. Jeema Jose Assistant Professor M.Sc., M.Phil., B.Ed. Ph: 9846009511 Teaching Experience: 5 years	Graph Theory	1. Tutor- II M.Sc. Mathematics 2. Coordinator- Social Outreach Club 3. Department Secretary 4. Assistant Treasurer 5. Assistant Coordinator- Rev. Dr. A. O. Konnullu Memorial Quiz Competition
7		Prof. Divya Mary Daise S. Assistant Professor M.Sc. Ph: 8943232028 Teaching Experience: 6 years No. of Publications in 2016-17: 1	Fuzzy Algebra	1. Tutor- 3rd & 2nd Sem B.Sc Mathematics 2. Coordinator- Student Support Programme

Our Guest Faculty

Sl No.	Photo	Name & Details	Departmental duties assigned
8		Prof. Deepa K R Assistant Professor on contract M.Sc., M.Phil Ph: 8089236708	
9		Prof. Geethu Joseph Assistant Professor on contract M.Sc. Ph: 8089236708	
10		Prof. Anu Marshel Assistant Professor on contract M.Sc., B.Ed. Ph: 8089236708	

Student Enrollment 2010-17

Under Graduate Programme

Year	Male	Female	Total	GEN	OBC	LC	OEC	SC/ST	PWD	Drop out
2010-13	11	22	33	4	24	15	2	1	0	2
2011-14	12	17	29	0	25	17	3	1	0	0
2012-15	7	26	33	4	24	19	1	4	0	3
2013-16	14	24	38	4	24	21	2	8	0	1
2014-17	11	27	38	2	34	6	2	2	0	2
2015-18	17	17	34	4	25	18	1	6	1	3
2016-19	19	22	41	3	33	26	4	1	0	0

Post Graduate Programme

Year	Male	Female	Total	GEN	OBC	LC	OEC	SC/ST	PWD	Drop out
2010-12	0	15	15	0	13	11	2	0	0	1
2011-13	0	18	18	0	14	12	0	4	0	0
2012-14	0	18	18	2	14	12	0	2	0	0
2013-15	2	16	18	3	14	13	0	1	0	0
2014-16	3	11	14	2	12	12	0	0	0	4
2015-17	2	16	17	4	12	11	0	1	0	3
2016-19	1	17	18	2	16	11	0	0	1	0

A TRIBUTE TO AN INSPIRING GURU

Teachers inspire and influence the life of every individual. It is a beautiful thing to see him not just as a teacher by profession but also as a teacher by his life. Alexander Sir gives the complete knowledge of the subject and also of the world around us. He taught us how to live as a good person and also showed it by his own life.

To tell about his class, it was one of the most favorite classes of his students. Because, a student happily listens to the teacher if, he not only teaches subjects inside the book but also subjects outside the book. He used to share his teaching experiences and tells stories highlighting values of life. Besides that, whatever he taught, he taught it without any haste, in a manner that everyone in the class understood it, explaining from the very beginning of the topic.

He also showed us how a teacher should teach before teaching a topic, he used to explain the prerequisites to the students even if it had been learnt before and however small it may be, for fixing it in their minds.

He was a teacher who did everything calmly, humbly and sincerely. His method of teaching was one, which generated love towards the subject in the hearts of his students.

Being an excellent teacher and an exemplary guide, he leaves behind an unforgettable mark in the heart of each of his students and teaching us how to face the life before us without escaping its challenges. He is beginning another lovely phase of his life. So we wish him a very beautiful life ahead.

Students, II M.Sc. Mathematics



EXAMINATION RESULTS

PG COURSE: M.Sc. MATHEMATICS(2014-16 BATCH)

	GENERAL		COMMUNITY		MQ		SPORTS / CULTURAL		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	0	8	0	4	2	2	1	0	1	0	2	12	4	14	18
APPEARED	0	5	0	4	2	2	1	0	0	0	2	10	3	11	14
PASSED	0	3	0	2	0	1	1	0	0	0	0	6	1	6	7
PASS %		60		50	0	50	100		0		0	60	33.33	54.55	50

TOTAL APPEARED 14	GRADE AWARDED					
	A	B+	B	C	D	E
No. OF STUDENTS	3	1	2	1	0	7
% OF STUDENTS	21.43	7.14	14.28	7.14	0.00	50.00

UG COURSE: B.Sc. MATHEMATICS(2013-16 BATCH)

	GENERAL		COMMUNITY		MQ		SPORTS / CULTURAL		SC/ST		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	5	9	1	6	3	4	0	1	2	4	7	17	12	24	36
APPEARED	5	9	1	6	3	4	0	1	2	4	7	17	11	24	35
PASSED	2	6	1	6	1	4	0	1	0	0	3	13	4	17	21
PASS %	40	66.67	100	100	33.33	100		100	0	0	42.86	76.47	36.36	70.83	60.00

TOTAL APPEARED 35	GRADE AWARDED					
	A+	A	B	C	D	E
No. OF STUDENTS	5	7	7	2	0	14
% OF STUDENTS	14.29	20.00	20.00	5.71	0.00	40.00

EXAMINATION RESULTS

UG COURSE: B.Sc. MATHEMATICS(2014-17 BATCH)- 4TH SEMESTER

	GENERAL		COMMUNITY		MQ		SPORTS / CULTURAL		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	8	14	1	7	1	7	0	0	2	0	9	27	12	28	40
APPEARED	7	13	1	7	1	7	0	0	2	0	8	26	11	27	38
PASSED	5	8	1	7	1	5	0	0	1		6	19	8	20	28
PASS %	71.4	61.5	100	100	100	71.4			50		75	73	72.7	74.1	73.7

TOTAL APPEARED 38	GRADE AWARDED					
	A+	A	B	C	D	E
No. OF STUDENTS	1	11	11	5	0	10
% OF STUDENTS	2	28.9	28.9	13	0	26.3

UG COURSE: B.Sc. MATHEMATICS(2014-17 BATCH)- 5th SEMESTER

	GENERAL		COMMUNITY		MQ		SPORTS / CULTURAL		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	8	14	1	7	1	7	0	0	2	0	9	27	12	28	40
APPEARED	7	13	1	7	1	7	0	0	2	0	8	26	11	27	38
PASSED	6	12	1	7	1	7	0	0	1		7	25	9	26	35
PASS %	85.7	92.3	100	100	100	100			50		87.5	96.2	81.8	96.3	92.1

TOTAL APPEARED	38	GRADE AWARDED					
		A+	A	B	C	D	E
No. OF STUDENTS		6	9	9	8	3	3
% OF STUDENTS		15.8	23.7	23.7	21.1	7.9	7.9

EXAMINATION RESULTS

UG COURSE: B.Sc. MATHEMATICS(2015-18 BATCH)- FIRST SEMESTER

	GENERAL		COMMUNITY		MQ		SPORTS / CULTURAL/ PWD		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	5	8	2	5	7	1	2	0	4	3	12	14	20	17	37
APPEARED	5	8	2	5	7	1	2	0	3	3	12	14	19	17	36
PASSED	4	7	2	5	4	0	2	0	0	0	10	12	12	12	24
PASS %	80	87.5	100	100	57.1	0	100		0	0	83.3	85.7	63.2	70.6	66.7

TOTAL APPEARED 36	GRADE AWARDED					
	A+	A	B	C	D	E
No. OF STUDENTS	2	7	7	7	1	12
% OF STUDENTS	5.6	19.4	19.4	19.4	2.8	33.3

UG COURSE: B.Sc. MATHEMATICS(2016-19 BATCH)- SECOND SEMESTER

	GENERAL		COMMUNITY		MQ		SPORTS / CUL- TURAL/PWD		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	5	8	2	5	7	1	2	0	4	3	12	14	20	17	37
APPEARED	4	8	2	5	7	1	2	0	3	3	12	14	18	17	35
PASSED	4	8	2	5	2	1	2	0	0	0	8	14	10	14	24
PASS %	100	100	100	100	29	100	100		0	0	67	100	56	82	68.6

TOTAL APPEARED	35	GRADE AWARDED					
		A+	A	B	C	D	E
No. OF STUDENTS		3	7	7	7	0	11
% OF STUDENTS		8.6	2	2	2	0	31.4

EXAMINATION RESULTS

UG COURSE: B.Sc. MATHEMATICS(2016-19 AUTONOMOUS BATCH)- FIRST SEMESTER

	GENERAL		COMMUNITY		MQ		SPORTS / CULTURAL		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	6	12	8	5	5	2	0	2	0	1	18	15	19	22	41
APPEARED	6	12	8	5	5	2	0	2	0	1	18	15	19	22	41
PASSED	1	10	6	5	3	1		1		0	10	13	10	17	27
PASS %	16.7	83.3	75	100	60	50		50		0	55.6	86.7	52.6	77.3	65.9

TOTAL APPEARED	41	GRADE AWARDED					
		A+	A	B	C	D	E
No. OF STUDENTS		2	8	8	7	2	14
% OF STUDENTS		4.9	19.5	19.5	17.1	4.9	34.1

Congratulations



Riya Biju, I B.Sc. Mathematics secured CGPA of 9.47 with A+ grade in the first semester UG examination. Also she is the top scorer in the college.

EXAMINATION RESULTS

PG COURSE: M.Sc. MATHEMATICS(2015-17 BATCH) - FIRST SEMESTER

	GENERAL		COMMUNITY		MQ		SC		OBC		TOTAL		GRAND TOTAL
STUDENTS	M	F	M	F	M	F	M	F	M	F	M	F	
ADMITTED	0	8	0	3	1	3	1	2	1	11	2	16	18
APPEARED	0	8	0	3	1	3	0	1	1	11	1	15	16
PASSED	0	8	0	3	1	3	0	0	1	11	1	14	15
PASS %		100		100	100	100		0	100	100	100	93.3	93.75

TOTAL APPEARED	16	GRADE AWARDED				
		A	B	C	D	E
No. OF STUDENTS		5	10	0	0	1
% OF STUDENTS		31.25	62.5	0	0	6.25

Semester Toppers



JISNA MARY P J (2015-18 BATCH)

TOP SCORER—UG FIRST & SECOND SEMESTER



NAVANEETHA M R (2014-17BATCH)

TOP SCORER—UG FOURTH & FIFTH SEMESTER [10 out of 10]



AKHILA WILSON(2015-17 BATCH)

TOP SCORER - PG FIRST SEMESTER

DEPARTMENT NEWS

Distinguished Lecture Series in “Contribution of Mathematics to other Areas of Knowledge”

The Department of Mathematics, St.Albert’s college, Ernakulam, applied for Science Popularisation Programme under KSCSTE on January 2016 and it got sanctioned on May 2016.

The inauguration of the Science Popularisation Pro-



gramme – Distinguished Lecture Series in “Contribution of Mathematics to other Areas of Knowledge” and the first Session of lecture series was conducted on 23rd June 2016, 10:00 am at Emmanuel Hall, St.Albert’s College, Ernakulam. The Programme was inaugurated by **Dr.A.Vijayakumar, Professor and Head, The Department of Mathematics CUSAT.** Dr.M.L Joseph, Principal, St.Albert’s College presided the function, Prof. Edwin Tomson V.T., HOD welcomed the gathering. Assistant Professor and the co-ordinator of the pro-

gramme, Mr.Bernard K.A gave the briefing about the programme, Rev. Fr. Christy David Pathiala (Assistant Manager), Dr. Jude Martin Mendez (Dean, Academics) and Dr.Sadanandan (Vice-Principal) gave the felicitation and Dr.Shery Fernandez, Assistant Professor, Department of Mathematics, delivered the vote of thanks.

The first session was presented by Dr. Ramachandran P.T. Associate Professor and Head, Department of Mathemat-



ics, University of Calicut on the topic “Contribution of Ancient Kerala and Indian Mathematicians“. 40 students from other institution and 60 students from within the college attended the inauguration function followed by the Lecture. The programme came to an end by the valedictory session at 1:30 pm.

The Second Lecture

The second lecture was conducted on 28th July 2016, 11:00 am at Room No: 314.



The session was delivered by the eminent Mathematician **Dr. E. Krishnan, Retd. Professor, University College, Kerala** on the topic “Origin and Foundations of Mathematics”.



95 students from other institution and 60 students from within the college attended the Lecture. The programme came to an end by a photo session at 1:15 pm.

DEPARTMENT NEWS

The Third Lecture

The third lecture was conducted in association with career and guidance bureau, CUSAT was conducted on 04th August 2016, 10.00 am at South Govt. High School Vazhakkulam, Aluva for high School students.



Shri. Raju David, National Employment Service, Ernakulam) Inaugurated the programme. Shri. John.P.A (HSA, HIBHS, Varapuzha) delivered the session. The Programme came to an end by 1.00 pm.



The Fourth Lecture

The 4th Lecture was conducted on 3rd October 2016. Dr.A Vijayakumar , Professor

& Head, Dept. of Mathematics, CUSAT, Kalamassery Delivered the Lecture on the Topic “Excitements in Mathematics”.



Venue: Emmanuel Hall, St.Albert’s College, Ernakulam , The Lecture Commenced at 11:15 a.m and ended by 1:15 p.m . 91 Students from outside and within the college, 3 research Scholars and 10 Teachers attended the program.



The Fifth Lecture

The 5th Lecture was conducted on 29th October 2016. Program was exclusively for

High School students. Prof. V. Baby, Retd. Professor, Department of Mathematics, St.Albert’s College, Ernakulam deliver the lecture on “Origin and History of Numbers”



Venue: II M.Sc Class Room, St.Albert’s College, Ernakulam . The Lecture Commenced at 10:00 a.m and ended by 12:00 noon. 20 High School Students and 3 teachers attended the program.



DEPARTMENT NEWS

The Sixth Lecture

The 6th Lecture was conducted on 10th November 2016.

Dr. Sunil Mathew, Assistant Professor, National Institute of Technology (NIT), Calicut delivered the Lecture on the topic "Mathematics of Nature".



Venue: Emmanuel Hall, St. Albert's College, Ernakulam. The Lecture Commenced at 11:00 a.m and ended by 1:30 p.m. 120 students from inside and outside college, 5 public and 10 teachers attended the program.

The Seventh Lecture

As part of the Science Popularization Programme sponsored by KSCSTE, The department conducted the 7th session of the Lecture Series on 5th January 2017 at 10:00 a.m. Dr. P.V. Joseph, Former Director of India Meteorological Department (IMD), delivered the lecture on "The role of Mathematics in Research

and Prediction of Weather and Climate". Around 100 students and 10 teachers attended the



Lecture and the. The Programme came to an end by 12: 15 p.m.

The Eighth Lecture

The Department conducted the 8th lecture at St. Mary's Higher Secondary School, Mankulam, Idukki on 13th February 2017. Mankulam is a serene hamlet situated in the lap of Sahya Mountain ranges in the district of Idukki, Kerala, India. 99% of the population earns its living from farm and cattle rearing. Unknown diseases ravaging the crops, the global economic crisis and exploding commodity prices make it more and more difficult for the people to safeguard their livelihood. Due to the lack of government aid the Catholic Church started caring for the

education of the poor children in Mankulam. In 1972 Father Jose Kandathil started imparting primary education to children under thatched sheds. It was under the vicarage of Father Joseph Punnolil that the school got governmental approval. By 1983 the church was able to establish a secondary school, subsequently gaining governmental approval as well. At present 30% of the students are tribal's.



The Programme started at 10:00 a.m.

Shri. Babu James, Principal, St. Mary's Higher Secondary School, Mankulam, welcomed the gathering.

Dr. M. L. Joseph, Principal, St. Alberts College, Ernakulam, Inaugurated the Programme.

Shri Bernard K A, Introduced the programme.

Dr. Shery Fernandez gave the Felicitation.

DEPARTMENT NEWS

Shri. Shins delivered the vote of thanks

It was followed by two lectures.

Lecture – 1 : Prof: Edwin Tomson V T, H.O.D., Dept. Of Mathematics, St.Albert's College.



Lecture -2 :Dr.Alexander Mendez, Retd Professor, St.Albert's College, Ernakulam

The Programme ended by 1:15 p.m.



The Ninth Lecture

9th Lecture of the distinguished Lecture series in “contribution of Mathematics to other areas of knowledge” was delivered by Shri. Mohandas K.S., Retired Teacher from St. Albert's High School on 18th May 2017, 10:00

a.m.

It was followed by the problem



solving sessions handled by Dr. Sabu M.C, Assistant Professor, Department of Mathematics and Mr. Bernard K A, Coordinator of the Science Popularization programme. The programme ended by 3:30 p.m



The Tenth Lecture

Smt. Molly T J, Retired Teacher, Retired Teacher from St.Mary's



H.S. Palliport delivered the 10th Lecture of the Science popularization programme on 19th May 2017.



It was followed by the problem solving sessions led by Mrs. Golda Mary Joseph, Assistant Professor and Dr. Sabu M.C. , Assistant Professor, St. Albert's



College. The programme ended by a valedictory function at 3:15 p.m.





SREELAKSHMI C S

I B.Sc. STUDENT

The Creation of Love

Red rose. Wow! What a Beauty
The Beauty of Heartstring
The Buds of Enthusiasm
Which Scatter the Silence
The Petals of Persuasion
The Colour of Mystery
The Root of Promise
Oh! Spines against Love
Why God made Love full of thorns.
The Blossom Petals which
Becomes the reason of my Smile.
But alas! It just shows
Its cold shoulder towards me.

NATURE OF NURTURE



NAVANETHA M R

III B.Sc. STUDENT

NURTURE 2016 Summer School in Mathematics to the memory of Subbayya Sivasankaranarayana Pillai, conducted by NBHM and Dept of Atomic Energy at Rasipuram, Tamil Nadu was a turning point in my life. It was like a package full of knowledge, entertainment and fun. Being a National level camp, it opened a good opportunity for me to interact with mathematics lovers from different states. It gave me a platform to observe how differently we can go through mathematics and the purpose of studying mathematics was revealed in front of me. Besides from scoring good marks for my subject I learned how to love my subject, yet it became my prime objective.

It was about a two weeks camp from 10th to 21st August. Real Analysis, Linear Algebra and Number Theory were the main topics discussed there. Our mentors were Dr V P Ramesh(CUTN), Dr R Thangadurai(HRI) and Dr Vishnu Namboothiri (Govt College for Women, Trivandrum), besides them we were blessed to have Dr Thangavelu (IISC) on the last day of our Camp for the invited talk. They all taught us to improve ourselves and how to go in depths of Mathematics. They also mentioned about the various opportunities in the field of Mathematics. Each and every sessions were very informative.

Two weeks gifted me more than two thousand memories, new friends and new experiences. Food and accommodation was good, contributions from the part of College were the camp conducted was commendable. The most important thing they provided us is that , apart from classes we had entertainment sessions also, a trip to Yercaud was one of it. Afternoon sessions were

group discussions, interactions and video sessions which created us a new world of knowledge.

Overall Nurture 2016 gave me a good platform, flourished my knowledge and gave me confidence to face competitive exams and perform in other mathematical activities. It was a good initiative taken by NBHM and Dept of Atomic Energy , definitely I would suggest it for my friends and juniors.

As a BSc Mathematics student of St Albert's College, the support and guidance from Department of Mathematics was the prime reason to get a wonderful platform like NURTURE 2016. The teachers of Department of Mathematics especially Prof Edwin Tomson and Prof Bernard K A were the persons behind suggesting and applying for this program. Even Prof Bernard K A accompanied with us in the journey to the camp. Not only this program, our Department is giving huge support to the students who are interested in mathematical activities.

Department of Mathematics of St Albert's College would be one of the best options for Mathematics lovers.

DEPARTMENT NEWS

MATHEMATICS ASSOCIATION INAUGURATION 2016

The formal inaugural function of Mathematics Association was held on 28th July 2016 at 10.30 am at the Immanuel hall. All the teachers and students from the department were participated in the programme. The programme started with a prayer song by Angel Febiyola and Cristeena Victoria of First B Sc Mathematics. The programme was presided by Prof. Edwin Tomson. Dr. M.L. Joseph, Principal, St. Albert's College, was the chief guest of the programme. Dr. E. Krishnan was the special guest of the same. Prof. Jeema Jose welcomed the gathering. The formal inauguration was done by Dr. E. Krishnan. Prof. Edwin Tomson, Dr. M.L. Joseph and Dr. Shery Fernandez have addressed the gathering. Mr Nidhin Raj of II B.Sc mathematics gave vote of thanks.



ALUMNI MEETING 2017

The Department of Mathematics, St. Albert's College conducted an old students meet on 22nd April 2017 at 4:00 p.m. in the college seminar hall (Emmanuel Hall). 40 former students from various batches attended the meeting. Mr. Bernard K A, Assistant Professor, Dept. of Mathematics welcomed the gathering, Mr. Antony Loius, President, Old students association, addressed the members, Prof: Edwin Tomson V T, H.O.D of Mathematics, St. Albert's College led the discussion session. Dr. Shery Fernandez and Mr. Benson (1985-1900 batch) shared their

previous experiences and mentioned the importance of having the Alumni Meeting regularly. Mr. Harish, Secretary to the Alumni delivered the vote of thanks. The program came to an end by 6:00 p.m.



SCHOLARSHIP & HIGHER LEARNING CLUB ACTIVITIES 2016-17



Prof. Bernard K A

Coordinator, Scholarship & Higher Learning Club

The CSH Club came into existence in 2015-16. But this year the club couldn't make significant achievements for the students were reluctant to come forward. But during 16-17 academic year it is one of the clubs that made laudable achievements for the department.

This year under the guidance of CSH Club, 19 students applied for Post metric scholarship, 10 students applied for central sector scholarship, 8 students applied for State merit scholarship, 3 students applied for Prathibha scholarship, 5 students applied for Inspire scholarship and one student applied for UGC, Indira Gandhi scholarship. The results are yet to be announced. So far one student who applied for UGC Scholarship, got selected and Indira Gandhi scholarship is awarded.

By regular mentoring, monitoring and counseling of our H.O.D Prof. Edwin Tomson

and CSH Club, many students applied for several Summer, Winter and National Mathematical Training camps within India. We could do this mainly because of the cooperation of the parents who were convinced of the advantages of these programs. As a result we could make the following important achievements.

1. Ms. Navaneetha of III B.Sc and Jisna Mary of II B.Sc were selected for and attended a 11 day National Summer School for Mathematics -Nurture programme Conducted by National Board of Higher Mathematics and DAE- Department of Atomic energy at Rasipuram, Salem during the month of August.
2. Gokul S of III B.Sc Mathematics was selected and attended 21 days National Winter School for Mathematics, Conducted by National Board of Higher Mathematics and DAE at Central University Tamil Nadu..
3. Jisna Mary of II B.Sc was selected for the much coveted and the biggest National Mathematical Camp in India - MTTS conducted by National Board of Higher Mathematics-NBHM at Mysore during May-June 2017
4. Mr. Nevin Jose of II B.Sc Mathematics was

SCHOLARSHIP & HIGHER LEARNING CLUB ACTIVITIES 2016-17

selected and attended 6 day Mathematical Training Programme Mini MTTS, conducted by NBHM at KSOM during April 2017

5. 6 students of I M.Sc Mathematics ,were selected and 4 of them Ms. Vincy Anandi, Ms.Freeda K F, Ms.Jeesmol P Y, Ms. Jean Rocha attended 21 days National Workshop in Mathematics at KSOM, Conducted by NBHM and Govt.Of Kerala during April 2017.
6. Ms. Navaneetha was short listed for interview in TIFR Integrated Ph.D. Admission Test
7. 6 III B.Sc Students applied and appeared for JAM Exam 2017

The Club also Conducted a Talk on "Career in Logistic Management" to make students aware of the scope in the field of Logistic Management .

Next year our target is to help our students to find a place in one of the international workshops or internships outside the country.

STUDENT SUPPORT PROGRAMME ACTIVITIES 2016-17



Prof. Divya Mary Daise S.
Coordinator, Student Support Programme

The inauguration of activities of Student Support Programme 2016-17 was held on 21st July 2016, 1.45 p.m. at room no. 314. The meeting was presided by Dr. M.L. Joseph, Principal, St. Albert's College. Prof. Bernard K A welcomed the gathering to the inaugural ceremony followed by presidential address by Dr. M L Joseph. Sri. Benny Mathews, Employment Officer, CUSAT inaugurated the activities of Student Support Programme(SSP). Dr. V S Sadanandan(Vice Principal), Prof. Edwin Tomson and Prof. K J Benny felicitated the gathering and Prof. Divya Mary Daise delivered vote of thanks. The meeting was followed by a lecture by Sri. Benny Mathews on the topic "Opportunities in Civil Service" which lasted upto 3.15 p.m.

This year we have also conducted coaching classes on Logical Reasoning, Quantitative Aptitude & General Knowledge. Eminent resource persons in this field handled classes. .



SOCIAL OUTREACH CLUB ACTIVITIES 2016-17



Prof. Jeema Jose
Coordinator, Social Outreach Club

As a part of activities of the Social Outreach Club the Department of Mathematics decided to celebrate Onam with the inmates of Mercy Home on 6th September 2015. All the teachers with 150 students of the department reached there at 10.30 AM. The teachers and students received a warm welcome from the authority and inmates.

Students performed nadanpaattu during the celebration and that made the inmates and students enthusiastic and happy. The inmates also performed nadanpattu followed by programs. Students arranged some interesting games for the inmates.

the celebration came to an end by 3.00 pm.



An interactive session was arranged between the students of the college and inmates. Dr. M.L Joseph, the Principal of St. Albert's college also joined with us.

After the ona-Sadhya the students distributed the gifts which they have brought for the inmates and



Department level Onam celebration was held on 7th September 2016 at 10.30 am in Room No. 314. Fr. Christy David Pathiala, Asst. Manager, St. Albert's College presided the function, Gokul S welcomed the gathering. Dr. Sabu M C, Prof. Bernard K A & Prof. Golda Mary Joseph gave the felicitations. Students performed various cultural programs.

After the Ona-payasam, there were some interesting games for both teachers and students. The program came to an end by 2.00 p.m.



ARTS & LITERARY CLUB ACTIVITIES 2016-17



Prof. Golda Mary Joseph
Coordinator- Arts & Literary Club

The arts and literary club started functioning in 2015 along with the other clubs. We had organized a number of programs in 2015-16. Monthly cultural meets where students of our department displayed their performing skills were the most important part of it. Publication of a wall magazine and INFINITUS a monthly magazine also started in this period.

As department wise cultural programs begun in this year organized by college union the cultural get together became irrelevant. But



unfortunately our department didn't get a chance to perform in the college platform. A strong demand from the students is there to start the cultural meets again.

Any way the activities of the arts and literary club this year are restricted to the publication of wall magazine regularly, and publication of year book of INFINITUS, and organizing "keralapiravi" celebration in connection with

the diamond jubilee celebrations of kerala piravi. The detailed reports are given below.

Keralapiravi Celebration 2016

As a part of activities of Arts & Literary Club the Department of Mathematics celebrated the 60th anniversary of Keralappiravi on 1st November 2016 at 10.00 a.m. in room no. 314. The meeting was presided by Prof. Edwin Tomson, HOD and **Dr. Sebastian Paul** was the chief guest. Prof. Golda Mary Joseph welcomed the gathering followed by the presidential address by Prof. Edwin Tomson. There was a talk based on the subject "Keralam, Malayalam, Malayali" by Dr. Sebastian Paul. Dr. Shery Fernandez gave the felicitation and Kum. Jesna Joseph delivered the Vote of Thanks. Kum. Miseriya and II B.Sc. students performed some 'nadanpattu'. The program became delightful by the "Speaking Malayalam only" competition. The prize distribution was done by chief guest Dr. Sebastian Paul and the meeting came to an end at 11.30 a.m.

WALL MAGAZINE



RESEARCH CLUB ACTIVITIES 2016-17



Dr. Shery Fernandez
Coordinator, Research Club

The research club started functioning in the department in 2015. The aim of the research club is to motivate degree and PG students to mathematical research. Through the club meetings every Friday new topics are being introduced and potential areas of research are discussed. The participation is not made compulsory but it is so for the toppers in each class. By attending research club meetings the students could develop their ability to understand new things their own and they can identify their area of interest in mathematics and they can do research in these respective fields. After the completion of degree they can find a career in mathematical research and can excel in this field.

The inauguration of activities of the research club of the year 2016-17 was held on 29th July 2016. Prof. Edwin Tomson, the HOD presided over the meeting and the program was inaugurated by the Dr. Ramkumar P B, Associate professor, Dept. of Mathematics, Rajagiri College of Engineering, Kakkanad and he presented a paper on “Matrices and its Applications”. Dr. Rajagopalan Nair, the Director of AIMS delivered the key note address which was really in-

spiring.

This year we could conduct only 10 meetings for various unavoidable reasons. In these 10 groups of final year degree students presented their project topics group wise and 17 post graduate students presented their project independently. This naturally helped the students to prepare their project dissertations in a serious manner and present their topics in a better way in the university project and viva voce examination.

We have already made plans to make the activities of the club more efficient next year. The details of other meetings held are given here.



RESEARCH CLUB ACTIVITIES 2016-17

The second meeting was held on 05/08/16. Dr Sherry Fernandez presented a paper on Golden Ratio. He explained the role of PPT in paper presentations.

In the third meeting, held on 12/08/16 first year MSc students Ms. Minnu John and Ms. Vincy Anandi J made a presentation on “The JAM Entrance test” which is a gateway to the premier mathematical institutions of our country .

In the 4th meeting on 23rd September , Prof. Susan Ray, a full time research scholar of our department and a faculty of M A college Kothamangalam presented a paper on “Graph Theory and PO-semi graph” and gave the importance of generalizations of Mathematics concepts.

In the 5th meeting on 4th November, Ms. ATHIRA, first year M Sc student made a presentation on “ UG. PG & PhD admissions in Chennai Mathematics Institute, ”.

In the next meeting on 9th December, Ms. MARY DELTA, second year PG student presented her project topic on “Chaos theory”.

In the 7th meeting, on 16th December Ms. Navaneetha, Mr Divina and Mr Jaison of third year B Sc presented their project topic on “Cayley Digraphs”.

In the next meeting on 21st December , Prof. Ann Mary Philip. a part time research Scholar of the department and faculty of Assumption college, Changanassery presented a paper on “Total Regularity of the join of two interval valued fuzzy graphs”.

In the meeting held on 22/2/2017, three groups of final year degree students presented their project topics.



RESEARCH CLUB ACTIVITIES 2016-17

Group I : Nikitha George. Sreelakshmi S, Jeffin Joseph

Topic : Stable Marriage Problem

Group II : Akshay M S. Vinny Francis. Sandra Shaju, Shilu Tadevus

Topic : Quarternian Quilts

Group III : Arun Ambrose. Anusha Shaji, Reshma Titus, Neenu M B

Topic : Automata Theory

In the next meeting on 3rd march, one group of final year degree students presented their project topics.

Group : Gokul S. Josme Joseph, Rinna Carmel, Rachel

Topic : Galois Theory



OPEN HOUSE

- The open house for 5th semester UG students was held on 20th July 2016. Tutor- Dr. Shery Fernandez, welcomed the gathering and there was an interactive session with Dr. M L Joseph, principal and Prof. Edwin Tomson, head of the Department.
- The open house for 1st semester UG students was held on 26th October 2016. Parents met the teachers and corresponding mentors individually.
- The open house for 4th semester UG students was held on 7th March 2017. Parents met the teachers individually.
- The open house for 2nd semester UG students

was held on 8th March 2017. The main discussion in this meeting was about the first semester result.



LOGIC QUESTIONS

1. *If the hour hand of a clock moves $\frac{1}{60}$ th of a degree every minute, how many degrees will it move in an hour?*
2. *I spend a third of my money on a guitar, half the rest on a microphone and a quarter of what I then have left on a kazoo. What proportion of my original money do I have left?*
3. *How can you take 1 from 19 and leave 20?*
4. *Here is a list of months and a code for each*

January: 7110	February: 826	March: 5313	April: 541	May: 3513
June: 4610	July: 4710			

What is the code for the month of August?
5. *How many degrees are there between clock hands at 3.15?*

തെരേസാ: സേവനത്തിന്റെ പര്യായം



"കാണുന്നവർക്കെല്ലാം
യേശുവാകുക. കണ്ടുമുട്ടുന്ന-
വരിൽ യേശുവിനെ ദർശി-
ക്കുക." - മദർ തെരേസാ.

ലൊറേറ്റോ കോൺവെന്റിന്റെ സുരക്ഷി-
തത്വം വേണ്ടെന്നു വെച്ചു, ഊരും പേരും
അറിയാത്ത കൽക്കട്ടാത്തെരുവിലേക്കു
ഇറങ്ങി തിരിച്ചവൾ; താപസജീവിതത്തിന്റെ
വ്യഥകൾ ഹൃത്തിൽ പേറിയവൾ;
അപരനിലേക്കു ജീവിതമാകുന്ന നൂറുങ്ങു-
വെട്ടം എത്തിച്ചവൾ.... അതെ, തീർത്താൽ
തീരാത്ത പുകഴ്ചകൾക്കു യോഗ്യയായ
'ഓടകളുടെ, അഗതികളുടെ അമ്മ, മദർ
തെരേസാ'. വർണാഭമായ സ്വപ്നങ്ങൾ ഈ-
ചേർന്ന ജീവിതത്തിനു പകരം,
സേവനത്തിന്റെ, ദുർഗന്ധം വമിക്കുന്ന
ചുറ്റുപാടുകളിലേക്കു ആഗസ് ഗോൺഷാ-
യെന്ന മദർ തെരേസയെ ദൈവം നയിച്ചത്
എന്തിനുവേണ്ടി യെന്നതിന്റെ ഉത്തരം 2016
സെപ്റ്റംബർ 4 നു പൂർണ്ണമായി.

അമ്മയിൽ നിന്നറിഞ്ഞും, കുടുംബത്തിൽ
നിന്നും ആർജ്ജിച്ച, നന്മയുടെയും കരുണ-
യുടെയും ബാലപാഠങ്ങൾ, കുഞ്ഞാഗ്നസിനെ
ദരിദ്രനിലും കുഷ്ഠരോഗിയിലും വ്യാകുല-
നിലും ഈശോയെ കാണുവാനും ഈശോയെ
കാണുവാനും അവനു വേണ്ടി
ജീവിക്കുവാനും പ്രേരിപ്പിച്ചു എന്നതിന്



JEESMOL P Y
I M. Sc. MATHEMATICS

ചരിത്രം സാക്ഷ്യം വഹിക്കുന്നു. "നിന്റെ
കരങ്ങൾ ഈശോയുടെ കരങ്ങളിൽ വെച്ച്
അവനോടൊപ്പം നടക്കുക. ഒരിക്കലും
തിരിഞ്ഞുനോക്കരുത്" എന്ന അമ്മയുടെ
ഉപദേശം ഉൾക്കൊണ്ടു, അപരന്റെ
കണ്ണുനീർ തുടയ്ക്കാൻ, തെരുവീഥി-
കളിലേക്കു ഇറങ്ങിയപ്പോൾ ലഭിച്ചതോ,
അപമാനങ്ങളും തിരസ്ക്കരണങ്ങളും.
എന്നിട്ടും തളരാതെ, കുരിശോടു ചേർത്ത്
അവൾ സഹിച്ചു. ജനനം കൊണ്ട്
അൽബേനിയക്കാരിയായിരുന്നിട്ടും, ഇന്ത്യ-
യുടെ തെരുവീഥികളായിരുന്നു അവളുടെ
കർമ്മമേഖല. ലോകം സമാധാനത്തിനുള്ള
നോബേൽ സമ്മാനം നൽകി ആദരി-
ച്ചപ്പോഴും, മദറിന്റെ അധരങ്ങളിൽ
നിന്നുതിർന്നതു മറ്റുള്ളവരിലേക്ക് നോട്ടം
പായിക്കേണ്ടതിന്റെ സന്ദേശങ്ങളാ-
യിരുന്നു.

കരുണയുടെ ഗുരുവായ യേശുനാഥനിൽ
തന്നെത്തന്നെ പൂർണ്ണമായും ഏല്പിച്ച മദർ,
മിഷനറീസ് ഓഫ് ചാരിറ്റി എന്ന സഭ
സ്ഥാപിച്ചുകൊണ്ടു, വേദനിക്കുന്നവർക്കും
രോഗികൾക്കും കരുണയുടെ വാതിൽ
തുറന്നുകൊടുത്തു. 1910 ഓഗസ്റ്റ് 26 നു ഈ
ഭൂമിയിൽ ജനിച്ചു. 1997 സെപ്റ്റംബർ 5 നു ഈ
ലോകത്തോട് വിട പറയുമ്പോൾ,

ചരിത്രതാളുകളിൽ മദർ എഴുതിയത് കരുണയുടെ സൂക്ഷ്മതങ്ങൾ കൂടിയായിരുന്നു

വർഷങ്ങൾക്കിപ്പുറം അഖിലലോകസഭയുടെയും വണക്കത്തിനായി, വിശുദ്ധരുടെ അർത്ഥാരയിലേക്കു മദറിന്റെ നാമം ഉയർത്തപ്പെടുമ്പോൾ നമുക്കും അഭിമാനിക്കാം; നമ്മുടെ നാടിന്റെ തുടിപ്പുകളെ തൊട്ടറിഞ്ഞ ഒരു പുണ്യചരിത, നമുക്കായ്

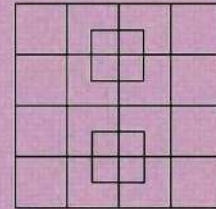


സ്വർഗ്ഗത്തിൽ മാധ്യസ്ഥ്യം വഹിക്കുന്നു എന്നോർത്ത് ആനന്ദിക്കാം. ഈശോയുടെ മുഖം അനേകായിരങ്ങളിൽ ദർശിച്ചു, ക്രൂശിതന്റെ പാത പിന്തുടർന്ന മദറിന്റെ വഴികളിലൂടെ നമുക്കും ചരിക്കാം.

ശുഭം.

FUN WITH MATHS

How many squares?



98% FAIL this Simple Test!

www.HumorDestination.com

$$5 + 3 = 28$$

$$9 + 1 = 810$$

$$8 + 6 = 214$$

$$5 + 4 = 19$$

then, $7 + 3 = ???$

സ്നേഹ ചങ്ങല



ഒരു വ്യക്തിയുടെ ജീവിതത്തിലെ ഏറ്റവും മനോഹരമായ കാലഘട്ടമാണ് കോളേജ് ജീവിതം. ആ കാലഘട്ടത്തിലെ സൗഹൃദങ്ങളും അനുഭവങ്ങളും പിന്നീടുള്ള ജീവിതത്തിൽ നമുക്ക് ശക്തി പകരുന്നു.

M.Sc. യിൽ ഒരുപാട് പഠിക്കാനുണ്ടെങ്കിലും ഞങ്ങൾ എല്ലാവരും ഞങ്ങളുടെ കൂട്ടായ്മയെ ആഘോഷിക്കുകയായിരുന്നു. ഡിപ്പാർട്ട്മെന്റിനെപ്പറ്റി പറയുമ്പോഴും എല്ലാവരുടെയും മനസ്സിൽ ഒരുപാട് സന്തോഷമാണ്. എല്ലാവരും ഒരുപാട് സ്നേഹമുള്ള അധ്യാപകരാണ്. ഡിപ്പാർട്ട്മെന്റിലെ അധ്യാപകരുടെ കൂട്ടായ്മയും ഞങ്ങളെ അത്ഭുതപ്പെടുത്തിയിട്ടുണ്ട്. എല്ലാ അധ്യാപകരെയും ഞങ്ങൾക്ക് സ്വന്തം വീട്ടിലെ ആളുകളെപ്പോലെയാണ്.

തുടർച്ചയായി ഉണ്ടാകുന്ന പരീക്ഷകൾ പഠനത്തിന് ഗുണം ചെയ്യുമെങ്കിലും അത് കൂറേപേർക്ക് ബുദ്ധിമുട്ടായി തോന്നിയിട്ടുണ്ട്. എങ്കിലും എല്ലാ അധ്യാപകരുടെയും സഹകരണം മൂലം ഞങ്ങൾ ഒരുപാട് പരീക്ഷകൾ മാറ്റിവെച്ചിട്ടുണ്ട്. പഠനത്തിനും പുറമെ, ഭാവിയിലേക്കുള്ള പല നിർദ്ദേശങ്ങളും എല്ലാവരും ഞങ്ങൾക്ക് നൽകിയിട്ടുണ്ട്. അത് ഞങ്ങൾക്ക് സഹായകരമായി തോന്നിയിട്ടുണ്ട്.

ഡിപ്പാർട്ട്മെന്റ് ഇങ്ങനെയായിരിക്കുന്നതുപോലെത്തന്നെ കോളേജ് മുഴുവനും ഇതുപോലെത്തന്നെയാണ്. കാരണം, അവിടു-

ത്തെ അധ്യാപകർക്ക് പുറമെയുള്ള എല്ലാ ജോലിക്കാരും വളരെ സ്നേഹത്തോടെയാണ് ഞങ്ങളോട് പെരുമാറിയിട്ടുള്ളത്. അത് ഈ കോളേജിന്റെ ഒരു പ്രത്യേകതയാണ്.

ഈ കോളേജിൽനിന്നും ഞങ്ങളുടെ അധ്യാപകരിൽനിന്നും പഠിച്ച എല്ലാ നല്ല പാഠങ്ങളും ഞങ്ങൾ ഞങ്ങളുടെ ജീവിതത്തിൽ പകർത്തുമെന്നതിൽ സംശയമില്ല. എല്ലാവരും ഞങ്ങൾക്ക് ഒരുപാട് നല്ല മാതൃക കാണിച്ചുതന്നവരാണ്. ഇവിടെനിന്നും പഠിച്ചിറങ്ങി കൂറേനാൾ കഴിഞ്ഞു ഈ കോളേജിനെപ്പറ്റി ഓർക്കുമ്പോൾ ഒരുപാട് നല്ല ഓർമ്മകളും അനുഭവങ്ങളുമാണ് ഞങ്ങളെ കാത്തിരിക്കുന്നത്. അതിന് കാരണക്കാരായ ഞങ്ങളുടെ എല്ലാ അധ്യാപകർക്കും മറ്റെല്ലാവർക്കും ഞങ്ങളുടെ നന്ദി. അതുപോലെതന്നെ, ഞങ്ങളെ വേദനിപ്പിക്കാതെ വഴക്കുപറയുകയും, ദേഷ്യപ്പെടേണ്ട സാഹചര്യങ്ങളിൽപ്പോലും ഞങ്ങളോട് കാര്യം കാണിക്കുകയും ചെയ്ത ഞങ്ങളുടെ എല്ലാ പ്രിയപ്പെട്ട അധ്യാപകർക്കും ഞങ്ങളുടെ ഹൃദയത്തിൽ എന്നും ഒരു നല്ല സ്ഥാനമുണ്ടായിരിക്കും. അനുഭവങ്ങളിൽനിന്നും പാഠങ്ങളുൾക്കൊണ്ട് ഞങ്ങൾ വഴിപിരിയുമ്പോൾ ഒരിക്കൽക്കൂടി എല്ലാവർക്കും നന്ദി.

Students, II M.Sc. Mathematics

ACHEIVEMENTS

Congratulations



HASNA K H

9.44 A+

10.00 A+(6th Sem)



JENEETA M J

9.24 A+



ANJALI VARGHESE

9.08 A+



ANUSHREE D BHATT

9.1 A+



ABIN ANTONY

9.11 A+

Congratulations



ANN MARY NETTO

M.Sc. Topper [3.76 A]

Congratulations

Got placed in WIPRO TECHNOLOGIES/ CONCENTICS



DON THOMAS



ALEETA PINHEIRO



HASNA K H



RIYA C.J



ABIN ANTONY

ACHEIVEMENTS

Congratulations



AMALA MARY GEORGE
UGC-NET (2017)



DEEPTHI MARY TRESA S
UGC NET (2016)



ANJU MOHAN
UGC NET (2017)

Congratulations

Successfully completed the National Summer Camp(NUTURE 2016) organized by NBHM & Department of Atomic Energy at Rasipuram from 10h-22nd August 2016.



NAVANEETHA M R
III B.Sc. MATHEMATICS



JISNA MARY P J
II B.Sc. MATHEMATICS

Congratulations

Successfully completed the National Winter School 2016 organized by NBHM & Department of Atomic Energy at Central University, Tamil Nadu from 4th - 24th December 2016.



GOKUL S, III B.Sc. MATHEMATICS

ACHEIVEMENTS

Congratulations



JEAN ROCHA



ATHIRA PRASAD



JEESMOL P Y



VINCY ANANDI J



FREEDA K P

Participated in 21 days mathematic workshop conducted by KSOM (Kerala school of mathematics), calicut ,a joint venture of KSCSTE and Department of Atomic Energy (DAE).

Congratulations



NEVIN JOSE

Participated in the Mini MTIS Programme held at the Kerala School of Mathematics, Calicut from 24th-30th April 2017

Congratulations



SHANA MOL K

Getting selection in the Postgraduate Indira Gandhi scholarship for single girl child for PG programmes 2016-17



Vincy Anandi J, I M.Sc. Mathematics won the second prize in the paper presentation competition held in October 2016 at UC College, Aluva & second prize in the idea presentation competition held in February 2017 at Rajagiri School of Engineering and Technology, Kakkanad

Mikshala A U, I M.Sc. Mathematics won the third prize in the paper presentation competition held in October 2016 at UC College, Aluva



Rinna Carmel E P, III B.Sc. Mathematics won the first prize in the karaoke film song competition conducted by Cochin Film Arts Society in November 2016.

Navaneetha M R, III B.Sc. Mathematics won the second prize in the Maths Teacher competition held in February 2016 at UC College, Aluva.



Gokul S, III B.Sc. Mathematics & Jeemol P Y, I M.Sc. Mathematics won the third prize in the Quiz competition held at Rajagiri College of School and Technology, Kakkanad in February 2017 & won the second prize in the Rev.Dr. A O Konnully Memorial Quiz Competition held at St. Albert's College, Ernakulam in March 2017.

Marymol A A, I B.Sc. Mathematics & Deepthi K H, I B.Sc. Mathematics won the second prize in the 'Theme Dance' competition conducted as a part of splendour fest at Rajagiri College of School and Technology, Kakkanad



Xavier Stalone E B, II B.Sc. Mathematics won the third prize in the Bharatanatyam competition in the M G University Yuvarjanotsavam Nupura 2017

Jitty mol Xavier, I B.Sc. Mathematics was a member of the skit team which won the fourth prize in the M G University Yuvarjanotsavam Nupura 2017





Mareena Jiya, III B.Sc. Mathematics won A grade in the Margamkali competition in the M G University Yuvajanotsavam Nupura 2017

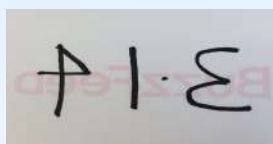
Vinil Raj V, II B.Sc. Mathematics was a member of the college football teams which won second prize in the Inter Collegiate Football Tournament held at Sacred Heart College, Thevara & second prize in the Football Tournament held at Govt. Law College, Ernakulam.



Harikrishna V A, II B.Sc. Mathematics was a member of the college football teams which won second prize in the Inter Collegiate Football Tournament held at Sacred Heart College, Thevara & second prize in the Football Tournament held at Govt. Law College, Ernakulam.

FUNNY FACTS

1. If you write out pi to two decimal places, backwards it spells "pie".



2. $(6 \times 9) + (6 + 9) = 69$.

3. **10! seconds is exactly 6 weeks.**

10! means 10 factorial. $10! = 10 \times 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 3628800$ seconds. Which is 42 days, or 6 weeks, exactly.

4. A pizza that has radius "z" and height "a" has volume

$$\text{Pi} \times z \times z \times a.$$

Because the area of a circle is Pi multiplied by the radius squared (which can be written out as $\text{Pi} \times z \times z$). Then you multiply by the height to get the total volume.

ALBERTIAN INTERNATIONAL EDUCATIONAL EXPO 2016

St. Albert's college has always tried to bring new ideas and programs in the field of education for students. As a part of it our college took up the initiative to conduct an educational-expo for the students during the academic year 2016-17. This was a new experience for the students.

The contribution by Department of Mathematics towards the expo was inevitable. The students of the department were divided into 5 groups year wise. Each group was guided by a teacher. And 5 different topics were assigned to the groups.

The first year students got the topic "golden ratio" and they were guided by Dr. Shery Fernandez. They exhibited the secrets behind 'Parthenon temple', Apple logo etc. and explained it very well and they secured the third prize in the competition.

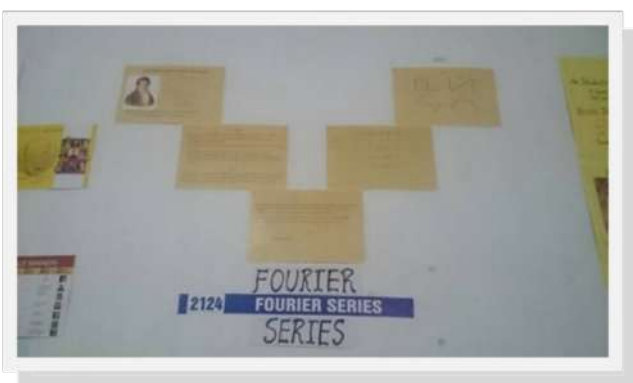
Fractals' was the topic given to the 2nd year students and they were guided by Prof. Divya Mary Daise S. Through this exhibit students explained the unknown facts of the uses of self-repeating patterns. They also made the models of 'Sierpinski pyramid', triangle etc.

The third year students explained about 'Fourier Series' and they were guided by Prof. Golda Mary Joseph. The project on Fourier



ALBERTIAN INTERNATIONAL EDUCATIONAL EXPO 2016

series, as an extension of some mathematical ideas opened scopes in different fields including Biology. It firstly gone through the history of Fourier series, which they presented as a PowerPoint presentation. They covered the graphical representation of Fourier functions with the help of the computer programming language python, the main intention of including basic concepts and graphical representation using computer program was to make people clear that sometimes approximation of infinite terms can make it accurate. Coming to the applications they focused on the biological field especially ECG. They explained how we can easily detect the



defect using Fourier calculations. This purely theoretical topic was explained very well by ppt and graphs. Judges was very impressed in their exhibit and they secured the 2nd prize in the exhibition competition.

The 1st year M.Sc. students were guided by

Prof. Bernard K A and they explained about the strange looking 'Mobius strip'. Also they made the students to make Mobius strips their own. It helped them to understand the logic behind it. The gallery of Mathemati-



cians prepared by them was very informative to everyone.

As nobody expected to see a live working model in the Mathematics section, the 2nd M.Sc students amazed everyone through the model they made to solve the 'Brachistochrone Problem'. The main attraction for everyone was this. They were guided by Prof. Jeema Jose.

Altogether the expo enabled everyone to acquire a lot of knowledge. Even though the credits went for the students, success of the whole programme is only because of the

ALBERTIAN INTERNATIONAL EDUCATIONAL EXPO 2016

hard work taken by our teachers, thanks for them.

Expo opened up a big world of knowledge to the students and it enshrined our college to a higher level.



As part of the Science Popularisation Programme sponsored by KSCSTE and in connection with the Albertian International Educational Expo 2017, the department of Mathematics conducted an all Kerala Power Point Presentation Competition for college students on 27th January 2017 at Emmanuel Hall. 17 students from various colleges, all over Kerala made Power Point Presentation on the topic “Contribution of Mathematics to other areas of knowledge”.

Gokul S of St. Albert’s College, Ernakulam and Vishnu Priya of Maharaja’s College, Ernakulam secured the first and second prize respectively. Prof. Lawrel Gregory, Head, Department of Physics, St. Albert’s College, Ernakulam and Prof. Shyam Sundar Iyer, Assistant Professor, Rajagiri School of Engineering and Technology, Kakkanad were the judges of the programme.



Rev. Dr. A. O. Konnully Memorial Talk & All Kerala Intercollegiate Quiz Competition in Mathematics

As in the past 15 years the Department of Mathematics, St. Albert's College, Ernakulam organized Rev. Dr. A.O. Konnully memorial talk & all Kerala Intercollegiate quiz competition in Mathematics on 01-03-2017. Registration started at 9.00 a.m. The formal inaugural



function started at 9.30 a.m. After the prayer song by Rinna Carmel, Dr. Shery Fernandez- the coordinator of the programme, welcomed the gathering. Dr. M.L.

Joseph, the Principal, St. Albert's college, inaugurated the function. Prof. Edwin Tomson presided over the meeting. Dr. Vijay John Kannikkal and Dr. Alexander Mendez felicitated the programme. Prof. Golda Mary Joseph delivered vote of thanks.



After the formal function Dr. A. Vijayakumar, Head of the Department of Mathematics, CUSAT, delivered the Konnully memorial talk. Dr. Alexander Mendez was the Quiz master.

Nine teams from different colleges participated in the Quiz competition. Mr. Ranjith R and Mr. Harinarayan G from CUSAT won the 1st prize (Dr.Konnully memorial ever rolling trophy and prof. A.J. Peter Memorial

cash prize). Gokul S and Jeemol P Y from St. Albert's College and FISAT won the 2nd (cash prize sponsored by SANTA MONICA) and 3rd prizes (cash prize sponsored by ALUMNI Association, St. Albert's College, Ernakulam) respectively.



STUDENT PROGRESSION (UG 2013-16)				
Sl. No	Name of Student	Placed in Private Sector	Enrolled for Higher Studies	Joined for coaching classes
1	ABIN ANTONY		M.Sc	
2	AKHIL P. ARAVIND			
3	ALBIN ANTONY		DCA	
4	ALEETA PINHEIRO	WIPRO		
5	ALENTEENA V.N.		MBA	
6	AMAL JOSEPH		DIPLOMA IN FURNITURE AND INTERIOR DESIGNING	
7	AMITH PEACEABLE P	CASHIER		
8	ANITTA ANTONY			BANK COACHING
9	ANJALI VARGHESE		M.SC. IGNOU	UPSC COACHING
10	ANJU P.A.			
11	ANUSHREE D. BHAT			BANK CAOACHING
12	ASWINI M.V			
13	DON THOMAS	WIPRO		
14	ELIZABETH RIYA		M.Sc.	
15	FEMI P. JOSE		IELTS	
16	GRACE MERIN			BANK COACHING
17	GRANSTIN DÇRUZ	WORKING IN A PRIVATE FIRM		
18	HASNA K.H.		B.Ed.	
19	JEENA GEORGE			BANK COACHING
20	JENEETA M.J		M.Sc	
21	JESNA JOSEPH		M.Sc	
22	JITHIN AUGUSTINE P.X.	PAINT COMPANY		
23	MAHENDRA NATH M			BANK COACHING
24	MARY BENCY		M.Sc	
25	MARY SONY		M.Sc	
26	NIKHIL KESH			
27	RESHMA C.M	CLERK		
28	RESHMA M.M			
29	RESHMA M.N			
30	RISHY ANTONY		IELTS	
31	RIYA C.J.			
32	SARANYA BABU M.			
33	SREEPRIYA V.R.		MBA	
34	STEFY SIMON		M.Sc	
35	STEPHY FRANCIS		M.Sc	
36	VISHNU M.J.	WORKING IN A PRIVATE FIRM		

STUDENT PROGRESSION (PG 2014-16)

Sl No	Name of student	Placed in Private Sector	Enrolled for Higher studies	Joined for coaching classes	Remarks
1	SURAJ RAJGOPAL	Jr. Web Developer at Techwise			
2	ANN MARY JWALANA	Teacher at Vidyaniketan			
3	RACHEL PAUL			NET Coaching	
4	MEERA SARASWATHY				Discontinued but joined for the next batch of M.Sc
5	MARY JASMINE D'COTHO				Discontinued studies
6	ARSHIDA K.A.				Discontinued studies
7	HITHA K.A.		B.Ed.		
8	JOSHMI ABRAHAM		B.Ed.		
9	DIVYA JOSEPH				
10	SOUMYA THOMAS		B.Ed.		
11	P.S. DINA				Doing computer course
12	JITHIN PETER	Tuition Centre			
13	AYNOSH MICHAEL P.S		L.L.B		
14	SAJIL ASOKAN				Discontinued studies
15	VILMY SEBASTIAN		B.Ed.		
16	ANN MARY NETTO	Teacher in a private school			
17	ARCHANA XAVIER				Doing computer course
18	SEEMOL TREASA		B.Ed.		

ഈ ക്രൂരതയ്ക്ക് ഉത്തരവാദിയാര്?



MARY BENCY
I M.Sc MATHEMATICS

ഇന്ത്യ-പാക്കിസ്ഥാൻ അയൽരാജ്യങ്ങൾ. രണ്ടു രാജ്യങ്ങളിലും ജീവിക്കാൻ കൊതിക്കുന്ന ഒരുപറ്റം മനുഷ്യരും. ബുദ്ധിയുടെ അഗാധത ശാസ്ത്ര-സാങ്കേതിക രംഗങ്ങളിലേക്കു മനുഷ്യനെ ആഴത്തിൽ കൊണ്ടുപോകുന്നതോറും ഈ അവസരം ദുരുപയോഗം ചെയ്യുന്ന മനസ്സാക്ഷി ഇല്ലാത്ത തലമുറയിലെ ഒരുപറ്റം ജനങ്ങളും. അവയ്ക്കിടയിൽ ജീവിക്കാൻ കൊതിയുണ്ടായിട്ടും ഹൃദയം നിറയുന്ന രാജ്യസ്നേഹം പ്രകടിപ്പിക്കാനാവാതെ തോക്കിൻ മുന്നിലും ആക്രമണങ്ങളിലും വിരിമാറു കാണിച്ചു വീരമൃത്യു വരിക്കേണ്ടി വരുന്ന നിരപരാധികളായ മനുഷ്യർ. ആര്, ഈ കൊടും ക്രൂരതയ്ക്ക് ഉത്തരവാദികൾ?



ജീവനും ജീവിതവും രാജ്യത്തിനു വേണ്ടി സമർപ്പിക്കുവാൻ തയ്യാറായിക്കൊണ്ട് സൈനികൻ എന്ന പദവി സ്വയം ഏറ്റെടുക്കാൻ സന്നദ്ധത കാട്ടിയ ഇവർ, നമ്മുടെ രാജ്യത്തിന്റെ തന്നെ അഭിമാനങ്ങളാണ്. എന്നാൽ രാജ്യങ്ങൾ

തമ്മിലുള്ള ശത്രുത നശിപ്പിക്കുന്നത് ഇരുരാജ്യങ്ങളിലെയും സൈനികരുടെ ജീവനാണ്. അവരുടെ സ്വപ്നങ്ങളും ആഗ്രഹങ്ങളും ആണ്. ഏറ്റവും ഉപരി അവരുടെ കുടുംബങ്ങളിലെ അത്താണിയാണ്, പല കുടുംബങ്ങളിലെയും നെടുംതൂണുകളാണ്, ആശ്രയമാണ് യുദ്ധങ്ങളെങ്കിലും പരസ്പര പോരാട്ടങ്ങളിലും മരിച്ചു വീഴുന്നത്. കാശ്മീരിലെ ഉറിസേനാ-താവളത്തിൽ ഭീകരാക്രമണത്തിൽ വീരമൃത്യു വരിച്ച രവി പോൾ ഉൾപ്പെടെ പതിനെട്ടു പേരുടെ ജീവൻ പാക്കിസ്ഥാൻ സൈന്യം കവർന്നെടുത്തപ്പോൾ, സൈനികമായും നയ-തന്ത്രമായും പാക്കിസ്ഥാൻ തിരിച്ചടി നൽകാൻ പ്രധാനമന്ത്രി നരേന്ദ്ര-മോദിയുടെ അധ്യക്ഷതയിൽ ചേർന്ന ഉന്നതതലയോഗത്തിൽ തീരുമാനമെടുത്തു. ഉറിക്കുത്തരമെന്നോണം പാക്ക് ഭീകര ഇടത്താവളങ്ങൾ തിരഞ്ഞുപിടിച്ചു തകർത്തു ഉഗ്രനൊരു മിന്നൽ പ്രഹരം തന്നെ നടത്തി ഇന്ത്യൻ സൈന്യം അവർക്കു തിരിച്ചടി നൽകി.

ഈ ആക്രമണത്തിൽ കൊലപ്പെടുത്തി. തികച്ചും ആസൂത്രിതവും, കിറുകൃത്യവും, പിഴവില്ലാത്തതുമായ ആക്രമണം ഇന്ത്യൻ സേനയെ പാക്കിസ്ഥാനെക്കാൾ ഒരുപടി മുന്നിലെത്തിച്ചേക്കാം. പക്ഷെ, ഈ ആക്രമണങ്ങളിൽ പൊലിയുന്ന, അല്ലെങ്കിൽ സ്വയം മരണത്തിലേക്ക് വന്നു വീഴുന്ന, അവരും മനുഷ്യരാണ്. മനുഷ്യജീവിതത്തിലെ ഏറ്റവും വില-പിടിപ്പുള്ള സ്വന്തം ജീവനാണ് അവർ രാജ്യത്തിനായി സ്വയം അർപ്പിക്കുന്നത്.



ഇന്ത്യക്കാരനാകട്ടെ, പാക്കിസ്ഥാനുകാരനാകട്ടെ, എല്ലാവരും മനുഷ്യരാണ്. സ്വപ്നങ്ങളും ആഗ്രഹങ്ങളും നിറഞ്ഞ മനസ്സിനും ഹൃദയത്തിനും ഉടമകളായ മനുഷ്യർ, കുടുംബവും ബന്ധുക്കളുമൊക്കെയുള്ള പച്ചയായ മനുഷ്യർ. പരസ്പര ആക്രമണങ്ങളിൽ രാജ്യസുരക്ഷാഭടന്മാരായ സൈനിക ജീവിതങ്ങൾ പൊലിയുമ്പോഴും അതുപോലും ആസ്വദിക്കുന്ന മാധ്യമങ്ങളും അവരെ പിന്താങ്ങുന്ന കുറെ മനുഷ്യരും. അനേക വർഷങ്ങളായി തുടരുന്ന ഇന്ത്യ-പാക്ക് യുദ്ധവും ആക്രമണങ്ങളുമെല്ലാം

അവസാനിപ്പിച്ച് ഒരു പുതു സുഹൃദ്ബന്ധത്തിനു ചുക്കാൻ പിടിക്കാൻ ഒരുപക്ഷെ സൈനികരിൽ എല്ലാവരും തന്നെ ആഗ്രഹിക്കുന്നുണ്ടാകും. പക്ഷെ ഇരുരാജ്യങ്ങളും, രാജ്യങ്ങളിലെ ഉന്നതരും ഇവരുടെ ആഗ്രഹത്തെ കണ്ടില്ലെന്നു നടിക്കുന്നതാണോ? അറിയില്ല.

ചൈന-പാക്ക് സാമ്പത്തിക ഇടനാഴി തുറുപ്പുചീട്ടായി സ്വീകരിച്ചു പാക്കിസ്ഥാനെ നിലയ്ക്ക് നിർത്താൻ ചൈനീസ് വഴി തേടുന്ന ഇന്ത്യ. ഇന്ത്യയെ നിലയ്ക്ക് നിർത്താൻ പലവഴികളിലൂടെയും സഞ്ചരിക്കുന്ന പാക്കിസ്ഥാൻ. പക്ഷെ, ഒടുവിൽ അവയ്ക്കിടയിൽ വെറും ചാരമായി മാറാൻ, ആരോരുമറിയാത്ത കുറെ മനുഷ്യരും. ഇന്നത്തെ മനുഷ്യർക്കു സംഭവിക്കുന്നതെന്ത്? ഈ കൊടും ക്രൂരതകൾക്ക് ഉത്തരവാദികളാര്? ഉത്തരമറിയാത്ത ഇത്തരം ചോദ്യങ്ങൾക്കിടയിൽ കണ്ണീരും കുറേ കിനാവുകളും മാത്രം ബാക്കിയാക്കി തേങ്ങലൊതുക്കി കഴിയുന്ന കൊല്ലപ്പെട്ടവരുടെ കുടുംബങ്ങളും. അവർക്കൊപ്പം ഈ രാജ്യത്തെ സ്നേഹിക്കുന്ന ഒരു പൗരനെന്ന നിലയിൽ നമുക്കും ആഗ്രഹിച്ചു പ്രാർത്ഥിക്കാം. നല്ലൊരു നാളെയെ സ്വപ്നം കാണാം. രാജ്യത്തിന് വേണ്ടി സ്വയം ജീവൻ ഹോമിച്ച ധീരജവാന്മാർക്കു മുന്നിൽ നമുക്കും ശിരസ്സുനമിച്ചു ആദരാഞ്ജലികൾ അർപ്പിക്കാം.

2014-17 വർഷത്തിലെ ബിരുദവിദ്യാർത്ഥികളുടെ വിനോദയാത്ര

നീണ്ട കാത്തിരിപ്പിന് ഒടുവിൽ ആ നാളുകൾ വന്നെത്തി. ഞങ്ങൾ മുപ്പതുപേരാണ് പോയത്. 11 ആൺകുട്ടികളും 17 പെൺകുട്ടികളും ഞങ്ങളുടെ സ്വന്തം ഷെനിസാറും പിന്നെ ലേഡി ടീച്ചറിന് പകരം ഞങ്ങളുടെ കൂട്ടത്തിലെ ഒരു കുട്ടിയുടെ അമ്മയും വന്നു. മനൈൻ ഡ്രൈവ് ഗ്രൗണ്ടിൽനിന്നു പതിമൂന്നാം തിയതി 8 മണിയോടെ യാത്ര ആരംഭിച്ചു. ഒരു 10 മണിയോടുകൂടി വിശപ്പിൻറെ വിളിവന്നതോടെ അങ്കമാലിയിൽ ബസ് നിർത്തി കൂട്ടത്തിൽ ഒരാളുടെ അമ്മാവന്റെ വീട്ടിൽ കയറി. വയറു നിറഞ്ഞു എന്ന് മനസിലായതോടുകൂടി യാത്ര തുടർന്നു. കോഴിക്കോട്-വയനാട് ചുരം വഴിയാണ് മൈസൂരിലേക്ക് ഞങ്ങൾ പോയത്. പാട്ടും മേളവും ഡാൻസും ഒക്കെയായി ആ രാത്രി നീണ്ടു നീണ്ടു മൈസൂരിലെ ഗ്രാമങ്ങളിലൂടെ ഉള്ളിലേക്ക് കടന്നു.

രാവിലെ ഒരു 9.30 മണിയോടുകൂടി ഹോട്ടലിൽ എത്തിച്ചേർന്നു. എല്ലാവരും റെഡിയായി ഒരു 11.30 മണിയോടുകൂടി പ്രഭാതഭക്ഷണം കഴിച്ചു. ആദ്യം ചരിത്ര പ്രസിദ്ധമായ ചാമുണ്ഡീഹിൾ സന്ദർശിച്ചു. അവിടെ വെച്ച് എല്ലാവരും കുടിയുള്ള ഗ്രൂപ്പ് ഫോട്ടോ എടുത്തു. അമ്പലത്തിൽ ഒരു നീണ്ട ക്യൂവിനു ശേഷം അമ്പലം ദർശിക്കാനുള്ള അവസരം ഉണ്ടായി. ഷോപ്പിംഗ് ടൈമിനുശേഷം തിരിച്ചു ഹോട്ടലിൽ എത്തി, ഊണ് കഴിച്ചു.

അവിടെനിന്നു മൈസൂർ പാലസ് കാണാൻ പോയി. ഒരു 3.30 യോടുകൂടി ഞങ്ങൾ അവിടെ എത്തി. ഷെനിസാറിന്റെ



മേൽനോട്ടത്തിൽ ഞങ്ങൾ പാലസ് മുഴുവനും കണ്ടു. ചരിത്ര പ്രസിദ്ധമായ ഓരോ സ്ഥലവും അവിടുത്തെ പ്രത്യേകതകളും ഷെനിസാർ ഞങ്ങൾക്ക് വിവരിച്ചു തന്നു. അതിനു ശേഷം ഞങ്ങൾ വൃന്ദാവൻ ഗാർഡനിലേക്കു തിരിച്ചു.



അസ്തമയ സൂര്യന്റെ ശോഭയിൽ വൃന്ദാവൻ ഗാർഡൻ അതീവസുന്ദരിയായി കാണപ്പെട്ടു. പൂന്തോട്ടത്തിന്റെ മനോഹാരിതയിലൂടെയുള്ള നടത്തം ഞങ്ങളെ എത്തിച്ചത് മ്യൂസിക്കൽഷോയിലേക്കായിരുന്നു.

30 മിനിറ്റോളം മ്യൂസിക്കൽ ഷോ ആസ്വദിച്ചശേഷം ഗോൾഡൻ മുഴുവൻ ഞങ്ങൾ പല ഗ്രൂപ്പായി തിരിഞ്ഞു ചുറ്റിക്കണ്ടു. കുറച്ചുസമയം പൂർത്തകിടിയിൽ വിശ്രമിച്ചശേഷം ഞങ്ങൾ ഹോട്ടൽ മുറിയിലേക്ക് തിരിച്ചു.



രണ്ടാമത്തെ ദിവസം രാവിലെ 7 മണിയോടെ ഞങ്ങൾ കൂർഗിലേക്കുള്ള യാത്ര ആരംഭിച്ചു. പ്രഭാതഭക്ഷണം കഴിച്ചതിനുശേഷം ഞങ്ങൾ ആദ്യമായി ഗോൾഡൻ ടെംപിൾ കാണാൻ പോയി. ടെംപിലിൽവെച്ചു ലാമയോടൊപ്പം സെൽഫിഎടുക്കുകയും അവരുടെ ജീവിതരീതികളെക്കുറിച്ചൊക്കെ ചോദിച്ചുമനസ്സി-



ലാക്കുകയും ചെയ്തു. ഗോൾഡൻ ടെംപിളിൽനിന്നും ഞങ്ങൾ അടുത്തതായി ബാംബു ഫോറസ്റ്റിലേക്കാണ് പോയത്.

ഫോറസ്റ്റ് മുഴുവൻ ചുറ്റി കാണുകയും അവിടെയുള്ള തടാകത്തിൽ ഇറങ്ങി ഞങ്ങൾ വെള്ളത്തിൽ കളിക്കുകയും ചെയ്തു. ഭക്ഷണം കഴിച്ചതിനുശേഷം ഞങ്ങൾ റാഫ്റ്റിംഗിന് പോയി. റാഫ്റ്റിങ് എല്ലാവർക്കും പുതിയൊരു അനുഭവം തന്നെയായിരുന്നു. റാഫ്റ്റിങ് കഴിഞ്ഞു മുറിയിൽ പോയി ഫ്രഷായശേഷം രാത്രി ഞങ്ങൾ ക്യാമ്പ്ഫയറിനു പോയി. ഇതുവരെകാണാത്ത ഷെനിസാറിന്റെ മറ്റൊരു മുഖമാണ് ഞങ്ങൾ ക്യാമ്പ്ഫയറിൽ കണ്ടത്.



മൂന്നാമത്തെ ദിവസം ഞങ്ങൾ വയനാട്ടിലേക്ക് തിരിച്ചു. പുറപ്പെട്ടത് വൈകിയതുകാരണം ആകെ രണ്ടു സ്ഥലം മാത്രമാണ് ഞങ്ങൾക്ക് സന്ദർശിക്കാൻ സാധിച്ചത്. ആദ്യമായി ഞങ്ങൾ കുറുവാദ്രീപിലേക്കാണ് പോയത്. ഞങ്ങളെ സംബന്ധിച്ചിടത്തോളം എല്ലാവർക്കും മനോഹരമായ ഓർമ്മകൾ അവിടെയാണ് ഉണ്ടായത്. കാട്ടിൽകൂടിയുള്ള നടത്തം നല്ലരസമായിരുന്നു. കുറച്ചുദൂരം നടന്നതിനുശേഷം ഞങ്ങൾ ഒരു തടാകത്തിന്റെ അരികിലെത്തി. കുറുവാദ്രീപിലേക്ക് എത്തുന്നതിനുള്ള ഒരു ചങ്ങാടം അവിടെ-

യുണ്ടായിരുന്നു. ഞങ്ങളിൽ മിക്കവരും ആദ്യമായിട്ടാണ് ചങ്ങാടത്തിൽ കയറിയത്. ആ നിമിഷങ്ങൾ വളരെ സുന്ദരമായ



ഓർമ്മകൾ ഞങ്ങൾക്ക് സമ്മാനിച്ചു. ദ്വീപിലൂടെ നടന്നു ഒരു ജലാശയത്തിന്റെ അരികിലേക്ക് ഞങ്ങൾ എത്തി. കുറെസമയം അവിടെ ചിലവഴിക്കുകയും വെള്ളത്തിൽ എല്ലാവരും ഇറങ്ങുകയും ചെയ്തു. വെള്ളത്തിന്റെ തണുപ്പും കളകള-നാദവും ഞങ്ങളുടെ ശരീരത്തിനും മനസ്സിനും ഒരു പ്രത്യേക അനുഭൂതി സമ്മാനിച്ചു.



അവിടെനിന്നും ഭക്ഷണം കഴിച്ചു ഞങ്ങൾ നേരെ പോയത് ബാണാസുരസാഗർ-ഡാമിലേക്കായിരുന്നു. അപ്പോൾതന്നെ നേരം ഏറെ വൈകിയിരുന്നു. ഡാമിലേക്കുള്ള

പടികൾ ഞങ്ങൾ വളരെ ചുരു-ചുറുക്കോടുകൂടി കയറി. സമയം വൈകിയതുകൊണ്ടു ഞങ്ങൾക്ക് ബോട്ടിങ്ങിനു പോകാൻ കഴിഞ്ഞില്ല. പിന്നെ അടുത്ത പാർക്കിൽ ഊഞ്ഞാൽ ആടി സമയം ചിലവഴിച്ചു. അതായിരുന്നു ഞങ്ങളുടെ ട്രിപ്പിന്റെ അവസാനത്തെ ലൊക്കേഷൻ.

ഒത്തിരിഓർമ്മകളും, മാന്ത്രിക നിമിഷങ്ങളും അതിലേറെ ഒരു പുതിയ അനുഭവവും സമ്മാനിച്ചു-കൊണ്ട് ആ ട്രിപ്പ് കടന്നു പോയി.

ഒരിക്കലും മറക്കാനാകാത്ത ഒരുപാട് നല്ല



ഓർമ്മകളായിരുന്നു ഞങ്ങളുടെ യാത്ര. ബസ്സും , ഹോട്ടലും ഓരോ ലൊക്കേഷനും ഞങ്ങൾ ഒത്തിരി ആസ്വദിച്ചു. രാവിലെ ഒരു നാലുമണിയോടുകൂടി ഞങ്ങൾ തിരിച്ചെത്തി. എല്ലാം തീർന്നതിന്റെ ഒരു വിഷമം എല്ലാവരുടെയും മനസ്സിൽ ഉണ്ടായിരു-ന്നുവെങ്കിലും ഒരു ചെറുപുഞ്ചിരിയോടെ വീട്ടിലേക്കു മടങ്ങി.



Our Tour to Ooty

The annual tour of our batch was planned by us, and we unanimously agreed upon OOTY-The queen of hill stations. All of us were delighted at the idea to escape from the 35°C sweltering heat of Kochi to the mountainous pleasantly cool tourist spot. Our team consisted of 17 students led by two jovial teachers Edwin sir and Sabu sir. We spent our pre-journey night at Lulu mall where we watched a movie. Oh! I skipped a delightful matter. Edwin sir was magnanimous: he treated all of us for a tasty dinner. Big thanks from all of us.

By mid-night we started our journey. After a safe and pleasant journey we reached our destination-OOTY. After refreshing ourselves, we embarked on our sight-seeing.

Our first tour attraction was at the Botanical garden, spread over an area of 55 acres of land, many rare and wonderful trees and plants are taken care of there. We were wonderstruck at seeing the most popular attraction-a fossilized tree said to be 20 million year old. We wandered around breathing the fresh unpolluted air and gazing at never-before-seen wonderful trees.

Ooty lake, with their clean placid and calm water attracts many tourists. Many venture into boating, but we all hesitated due to fear



of boating. Instead we indulged in shopping for attractive rare things.

Ooty is famous for tea plantations and tea factories. We visited a tea factory. Depending upon the quality of the tea leaves and buds, varieties of tea are produced. We were



able to taste different kinds of tea. Surely it was a learning experience.

Another experience we enjoyed: Ooty is famous for home-made chocolates. We all ate it. Edwin sir sporting enough bought these

chocolates and gave to all of us. It was yummy and it had a special taste, since it was a free bite, thanks to Edwin sir.

We enjoyed a toy train ride. This train is pulled by a diesel engine. It ran fast. The track was mind-blowing. This train passed over various bridges and through long tunnels carved through mountains. It was awe-inspiring, but the end result was funny. We all shouted and howled in a mixed feeling of awe, glee, surprise and finally joy. The experience was unforgettable.

After dinner we had ample time at our disposal. So we decided to go for a walk in the night enjoying the weather of 15°C. Then we saw a thattukada, we all rushed to it and ordered hot cups of tea. It was very refreshing in the numbing cold. After that we went back to our cottage. In the room we indulged in playing 'dumsharats' and were pleasantly surprised when our teachers exhibited their acting skills. We all had a sound sleep.

Next day we visited pykara dam. But there was only very little water in it. We went to Doddabetta, the highest peak in the Nilgiri mountain range. On the way we saw pine forest. Everyone wanted to go, but it was a difficult attempt- uneven rocks. But we climbed. Everyone was panting. We howev-



er managed to take some photographs of pine trees and the forest. On the way down we saw it: a beautiful path to this forest. Many people using it. Everyone laughed at herself/ himself.



At one place, we saw at a distance something that looked like an elephant. Somebody suggested to get down from the van to have a closer look. Consciously we approached. The elephant stood still without moving even its big ears. Then suddenly

one among us jumped shouting “it’s a big rock”. The combined laughter lifted our tired spirits.

Our sightseeing finished, we all trudged back and got ready for our return journey.

This tour we all consider unforgettable. More than enjoying the beautiful sights and enjoying the nice weather, each one of us feel that our mutual comradeship and friendship has been bonded very firmly by this tour.

This tour would not have been successful as it ended without good-heartedness of our

teachers especially Edwin sir, Sabu sir, Jee-ma miss and Golda miss. Thank you dear teachers.



Farewell to the seniors

The farewell party for the B.Sc. 3rd year and M.Sc. 2nd year students of the year 2016-17 was conducted on 13th March 2017. The program started at 11.00 a.m. at the Assisi hall, High court junction. The principal of our college came on our request to inaugurate and gave his valuable advices to our outgoing students.

After the inaugural function food was served. The video made by the B.Sc. 3rd years entertained everyone while heavy food. The entertainment programs started so on after food. Everyone enjoyed the dance and songs by B.Sc. first year students. Games conducted made everyone get into the action. Even though many who shared their experiences took all to their good old memories.

Later the programs of B.Sc. 2nd year students boosted everyone. From there nobody was on the floor any more. Then the end touch by M.Sc. first years gave a huge blow to the function.

Nobody cared about ending the function. At last everyone with a smile dismissed. But the joyful tears that has fallen is never going to be forgotten by any. The beautiful memorable moments with everyone was a great time for all.

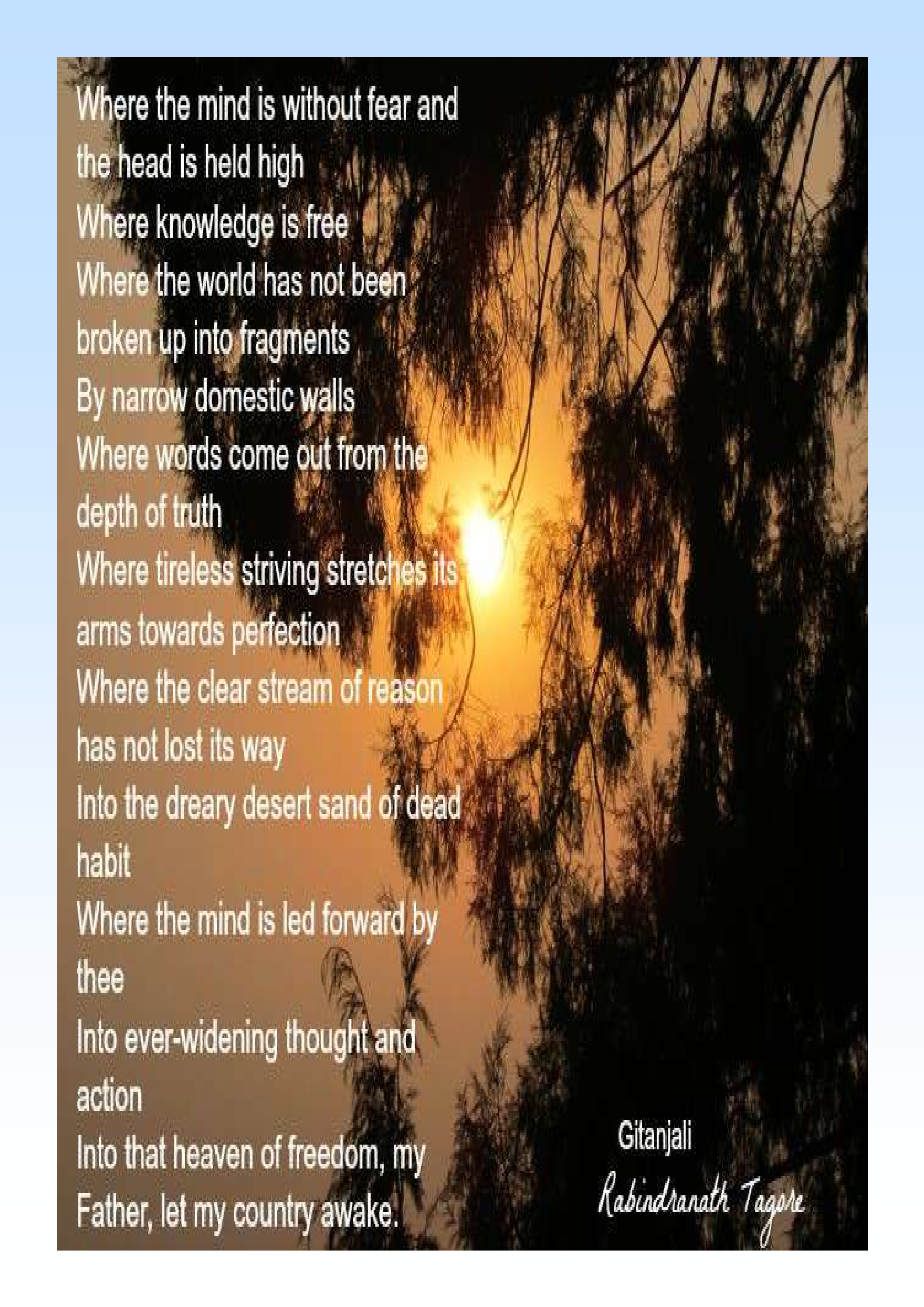


B.Sc. MATHEMATICS (2014-17 BATCH)



M.Sc. MATHEMATICS (2015-17 BATCH)





Where the mind is without fear and
the head is held high
Where knowledge is free
Where the world has not been
broken up into fragments
By narrow domestic walls
Where words come out from the
depth of truth
Where tireless striving stretches its
arms towards perfection
Where the clear stream of reason
has not lost its way
Into the dreary desert sand of dead
habit
Where the mind is led forward by
thee
Into ever-widening thought and
action
Into that heaven of freedom, my
Father, let my country awake.

Gitanjali
Rabindranath Tagore

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