



HOLY CROSS COLLEGE (AUTONOMOUS)

NATIONALLY RE-ACCREDITED WITH A+ GRADE BY NAAC [CGPA 3.35]

NAGERCOIL-629004



Volume 2

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Annual Newsletter Department of Mathematics (SF)

**Without Mathematics,
There's nothing you can do.
Everything around you is Mathematics.
Everything around you is numbers.**

- Shakuntala Devi

Greetings from the department of Mathematics (S. F).

Our department offers both UG and PG programmes in mathematics. Our Staff members work hard to improve mathematical knowledge of the students and to inculcate discipline among them.

We motivate and make the students to take part in curricular and extracurricular activities, mathematical competitions, culture activities, outreach programmes to exhibit their talents and interests and to improve their creativity, logical thinking and leadership qualities.

Our student, T. Dharshini of I M.Sc Mathematics has won prizes in weight lifting competition conducted in national level, state level and district level.

With trust in God, We seek his blessings for all our future endeavours to be successful.



J. Anne Mary Leema,
Head of the Department

MEDLEY OF EVENTS

BOARD O

Department Of Mathematics
Board Of Studies Meeting
21-1-2020



26.08.2019

Subject Experts:

Dr. Athisaya Ponmani,
Dr. S. V. Ullas Chandran,
Assistant Professor in Mathematics, Mahatma Gandhi
College, Thiruvananthapuram

University Nominee:

Dr. V. Nagarajan,
Assistant Professor in Mathematics,
S.T. Hindu College, Nagercoil.

Industrialist:

Mr. L. Aloysius, St. Xavier's Academy, Nagercoil

Alumni: Ms. Santrin Sabibha

NATIONAL SEMINAR



Date: 14-10-2019

Topic: Analysis and Graph theory.

Resource Persons:

- ❖ Dr. S. Kavitha, Assistant Professor,
Department of Mathematics, Gobi Arts &
Science College (Autonomous), Erode – 638
453.
- ❖ Dr. S. V. Ullas Chandran ,
Assistant Professor, Department of
Mathematics, Mahatma Gandhi College,
Kesavadasapuram,
Pattom P. O

Research Endeavours

Faculty

Publication in national journals	: 1
Paper Presentations	: 2
Seminars attended	: 11
Webinars attended	: 7

Campus placement

Our III B.Sc students J. Jenitta Mary, K.S. Naga Nandhini and T.J. Sushma selected in the campus interview, conducted by Cogizant Technology Solutions, Chennai.



RUN



Our II B.Sc Students, accompanied by Ms. .S.Kavitha and Ms. V. Mara Narghese, went to the village, Vallankumaranvilai. They discussed the issues and needs of the village with Mr. Radhakrishnan , the PTA president, Government Primary School, Vallankumaranvilai and they visited many houses of the village and surveyed their houses focussing on **“Cleanliness and facilities available in them”**. They narrated Stories and taught Yogasanas, Drawings, Mathematics problems, Dances and Bharathiyar Songs to the students of Govt Primary school, Vallankumaranvilai. Also they conducted games Khokho, Football and Basket ball and encouraged the winners with prizes. This has created social consciousness and awareness among our students.

TOUR



17.10.2019 to 21.10.2019 – Our final year students accompanied by Dr. C. Jenila & Ms. Janani had an unforgettable experience in the excursion to Bangalore and Mysore. They visited the Zoo, the Mysore Palace, Ranganthittu Birds Sanctuary, Brindavan Garden, Chamundi Hills, Philomena’s Church, LalBagh, Visvesvaraya Museum and the Snow World. The students spent an enjoyable day in the theme park ‘Wonderla’.

INDUSTRIAL VISIT



04.11.2020 – Our final year students visited the Priyadarshini Planetarium in Thiruvananthapuram accompanied by our faculty members. The Students had a new and useful experience while viewing the celestial bodies in the Planetarium show, 3D Theatre show, Science on sphere show, Science Gallery, Biomedical Gallery, Astronomical Gallery, Computer Gallery, Museum and Park.

ACTIVITIES OF THE MATHEMATICS ASSOCIATION

Staff Advisors



Office Bearers



03.07.2019 : Business meeting of the Mathematics Association.

16.07.2019 : Mathematical Model Making Competition

Dr. Xavier Pragasam, Rtd. Professor of Mathematics,
St. Xavier's Catholic College of Engineering,
Chunkankadai.

Mr. Sahaya Joseph, PGAssistant, Carmel Higher
Secondary School, Nagercoil.

17-07-2019: Universal Values and Ethics

Sr. S. Antony Mary, Assistant Professor, Mathematics
Department, Holy Cross College, Nagercoil

26-09-2019: Motivational talk on values

Dr.C.Jenila, Assistant Professor, Department of
Mathematics (S.F), Holy Cross College, Nagercoil

26-09-2019: Alumni Talk on Placement

Mrs. Karthika, HR, IIBM coaching centre, Nagercoil

17.12.2019: Ramanujam's Day Celebration.
Conducting competitions in Essay Writing , Pot
Painting , Pencil Sketching, Wealth from the waste,
Solo Song.

25.02.2020: Eco Awareness

Dr. S. Sonia, Department of Physics, Holy Cross
College(Autonomous), Nagercoil.

16.03.2020: Quiz Competition .



MATHLETES

The Mathematics Quiz Club, MATHLETES motivates the students to learn the subject in depth. It encourages the students to participate in the Quiz competitions organized in our college, in other colleges and in the Manonmaniam Sundaranar University. 24 students from various classes are its active members.



Mathematical Model Making Competition: 16.07.2019

Group wise: I Prize

A.Benisha, A. Maheswari, N. Srija of II MSc.

Individual:

A.S. Aswathy – I Prize (I BSc), S. Nisha Devi – II Prize (III BSc)

Department Quiz Competition: 16.03.2020

I Prize

J. Bavithra (II MSC)

S. Dinoli (III B Sc)

S. Abisha (I MSc)

S. S. Tinusha (III BSc)

II Prize

E. Jerin (II MSc)

N. Devaki (III BSc)

R. Pavithra (I MSc)

R. Aruna (II BSc)

Participation list for Intercollegiate Competition:

13.12.2019 – Four students from III B.Sc participated in various competitions organized by St.Xavier's College, Palayamkottai.

Venue: St. Alphonsa College of Arts and Science, Karungal
On 06.03.2020

Quiz Competition:

M. Briliya, M.L. Asvitha, S. Dinoli, S. Jerlin Mary (III B.Sc.)

Poster Presentation:

A. Ani, R.C. Bitty of III B.Sc. & S.U. Akshara Hari of I B.Sc.

Mathematical Modelling:

J. Jeya Sherli ((I BSc), P. Evangelin Stephani (II BSc)

Inter-departmental Quiz Competetion:

12.03.2020 - R. Pavithra, Holy Cross college. (III Prize)

COLLEGE FINE ARTS COMPETITIONS



Glass Painting: I Prize

V.Jibi - III B.Sc.

Pookolam : III Prize

S. Rubiya- III BSc
S.NehilaShafrin- III BSc
S. NabsilaFathima- III BSc
A. FathimaNatheera- III BSc
M.B. Afila- III BSc
K.S.NagaNanthini- III BSc

Collage :

I Prize

B.Darsini- III BSc
M. Hazeena- III BSc
M.B. Afila- III BSc
III Prize

S. Benita- II MSc
J. Divine Theresa- II MSc
K. Sharmi- II MSc

Soap Carving : III Prize

S. Rubiya - III BSc



Wealth from waste : II Prize

D.Babisha - II MSc
A. Benisha- II MSc
J.F. JoncyReshma- II MSc

Artificial Bougetmaking : III Prize

P. VaksaraSundari- II MSc
A. Maheswari- II MSc
G. Blessy Mary- II MSc

Folk Dance II prize

V. Jibi-III BSc
J. JenittaMary- III BSc
S.P. Frithona- III BSc
I.M. Carolin- III BSc
J.H. Aiswarya- III BSc
F. Sentimenla- III BSc
PhajisMol- II BSc
Sivakami- II BSc

Jewel Making : I Prize

Monisha G. Stanish – I M.Sc.



Prizes won by our students

- Aarim . C. Ashni of II BSc won the III prize in the **Elocution competition** organized by Women's Christian college to celebrate the Geneva Function on 22.08.2028.
- J. Aiswarya of II BSc won the I prize in the **Essay Writing competition** Conducted by YRC on 20.02.2020

Sports



T.Dharsini of I M.Sc. is the proud winner of many prizes in National , State and District Level Weightlifting Competitions

- 24-09-2019 – Intercollegiate Weight lifting Competition, T.D.M.N.S College ,Kallikulam.- I Prize.
- 15-12-2019 and 16-12-2019 - Senior State Level Competition, annai Maria Engineering College, Vellore - I Prize.
- 28-12-2019 to 30-12-2019 – All India Inter University Weight lifting Competition, M.S. University - I Prize.
- 24-01-2019 – Taminadu Inter University Weight lifting Competition, M.S. University - I Prize with 10000 cash award.
- 02-02-2020 to 07-02-2020 – Senior National Weight lifting Competition, KhudiramAnushilan , Kolkata - II Prize

BaritSahayadhana. B. V. of I. B.Sc. won the IV Prize in the Intercollegiate **Basket Ball** Competition on 19.09.2019.

JOY OF GIVING WEEK



Three faculty together with 15 students visited the Mentally Retarded School, Thiruppatisaram, and conducted a Christmas programme with Santa Claus. Cakes were distributed to all the members in the school. We donated Rs. 8000/- to the school.

FACULTY AS A RESOURCE PERSON



On 24-06-2019, **Ms. S. Kavitha** delivered an invaluable speech on “**Yoga and Meditation**” to the NSS students in the International Yoga Day Celebration at Holy Cross College(Autonomous), Nagercoil.

FACULTY OF OUR DEPARTMENT

- ❖ Ms. J. Anne Mary Leema, M.Sc., B.Ed., SET (Head of the Department)
- ❖ Ms. R.N. Rajalekshmi, M.Sc., B.Ed., M.Phil., SET
- ❖ Ms. S. Kavitha, M.Sc., M.Phil., SET
- ❖ Ms. V. Princy Kala, M.Sc., M.Phil., SET
- ❖ Ms. V. Mara Narghese, M.Sc., M.Phil., SET
- ❖ Dr. C. Jenila, M.Sc., B.Ed., M.Phil., Ph.D.
- ❖ Ms. V.G. Michael Florance, M.Sc., B.Ed., M.Phil.

Editorial Board



Ms. J. Anne Mary Leema,
Head and Assistant Professor



Ms. R.N. Rajalekshmi,
Assistant Professor



Ms. V.G. Michael Florance,
Assistant Professor

