



Little Flower Degree College

(Affiliated to Osmania University)

Uppal, Hyderabad

Managed by Brothers of St. Gabriel Educational Society

LEAD TO ILLUMINATE



MATHEMATICS

2018-19



Little Flower Degree College

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DEPARTMENT OF MATHEMATICS

S.NO.	FACULTY	DESIGNATION
1	Mr. M.Prashanth	HOD
2	Ms. T.Swapna	MEMBER
3	Mr. V. Naveen Kumar	MEMBER



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NATIONAL CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS

Name of the Event: National Conference (Attended)

Topic: Mathematical Sciences and Its Applications

Date: 30 & 31st July 2018

Venue: Osmania University

Resource Person: Prof. G. Siddeshwar Rao, Dept. of Mathematics, Bangalore University

Participants: Mr. M. Prashanth, Mr. V. Naveen Kumar

No. of Participants: 02

The National Conference on 'Mathematical Sciences and Applications' is conducted by the Department of Mathematics, O.U. Mr. M. Prashanth and Mr. V. Naveen Kumar attended the conference. The first session was on 'Kopper's Lortz instability in a porous medium with local thermal non-equilibrium effects by Prof. G. Siddeshwar, Bangalore University. The second session was on the numerical integration of differential-difference equations with boundary layer behaviour by Prof. Y.N. Reddy. He explained the importance of numerical integration in differential equations on the boundary layer, where parameters with different constraints are applied.



Members of the Conference Present a Memento to Prof. Suresh Kumar, Principal O.U.



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Mr. M. Prashanth and Mr. V. Naveen Kumar attending the National Conference on Mathematics and Its Applications.



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NATIONAL WORKSHOP ON DATA SCIENCE USING PYTHON AND R LANGUAGE

Name of the Event: National Workshop

Topic: Data Science using Python and R- Language

Date: 6th & 7th September 2018

Venue: Little Flower Degree College

Resource Person:

Day I: Prof. K. Shyamala, HOD, Dept. CSE, UCOE, Hyderabad.

Day II: Mr. D. Arvind Reddy, Data Science Consultant, and Co-Founder of Integrum Litera Pvt Ltd.

No. of Literal participants: 124

A two-day workshop on Python & R language was organised by the Department of Mathematics, Statistics & Computer Science on September 6 and 7, 2018. The main motive for organising this workshop on data science is to provide exposure to analysing the data and predicting future trends. Nearly 120 students as well as faculty from various subject backgrounds participated in the workshop with great deal of interest.

On 6th September 2018 Prof. K. Shyamala, HOD, Dept. of CSE, UCOE, along with Mr. Satish, UCOE, trained the participants on the importance of data science using the Python language. The students were given practical training on the basics of Python, and later the session progressed to dealing with the advanced techniques used in Python with respect to machine learning.

On 7th September, 2018, Mr. D. Arvind Reddy, Data Science Consultant and Co-Founder of Integrum Litera Pvt. Ltd, trained the participants on the importance of data science with respect to R language. The workshop was conducted from 9:00 AM to 5:00, and at the end, students were provided with a certificate of participation in collaboration with Integrum Litera Pvt. Ltd.



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Rev. Bro. Vincent Reddy, Principal, LFDC, lit the lamp along with Resource person Prof. K. Shyamala, HOD, Dept. of CSE, UCOE with Ms. P. Jayathi Reddy, Vice Principal, LFDC.



Ms. P. Jayanthi Reddy, Vice Principal, felicitated the resource person, **Prof. K. Shyamala**, HOD, Dept. of CSE, UCE, with a bouquet and memento.



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Rev. Bro. Vincent Reddy, Principal, felicitating the Resource person Mr. D. Arvind Reddy, Data Science Consultant with a bouquet and memento.



Faculty and students participating in a Two-Day Workshop on Data Science using python and R-Language.



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MATH ORIGINS (Lectures and Competitions)

Name of the Event: MATH ORIGINS

Topic: Mathematics and Data Science

Date: September 6th & 7th September, 2018

Venue: Loyola Hall, Loyola Degree & PG College, Alwal

Participants: B.Sc. MPC-II

No. of participants: 06

B.sc second-year students of LFDC attended the event 'MATH ORIGINS' organised by the Loyola Degree & PG College, Alwal. In this event, lectures on Mathematics and Data Science were highly insightful and they stressed the importance of Data Science in the future, which is going to rule the world. They also discussed the soft skills for the students, which are more important nowadays. On the second day, competitions were conducted to test the wits and skills of the students. Competitions including Math Olympiad, Collage Making, just for a Minute (JAM), Math Quiz, and PowerPoint Presentation were organised. The event provided the students with a lot of information, experience, and entertainment.

P. Manasa Reddy II MPC (LFDC) Won second Place in Collage Making.

T. Amrit Mayank II MPC Won second Place in JAM.

MATH ORIGINS 2k18
-MathOrigins
Aspire, Inspire, Achieve

LOYOLA ACADEMY DEGREE & PG COLLEGE (AUTONOMOUS)
ALWAL, SECUNDERABAD - 500010

Department of Mathematics, Statistics and Computer Science

Competitions:
Olympiad
Quiz
Collage making (Rain drop)
JAM
ppt (applications of Mathematics & Statistics)

Lectures by:
Dr. Prasad R. (Tech Mahendra)
Pf. Narasimhachari
Dr. Sudheer Reddy (ADRIN)
G S R Murthy (ISI Hyderabad)

6th & 7th SEPTEMBER 2K18
VENUE: "LOYOLA HALL"

Registration fee: Rs 100 per head
for further details contact Mr. Ravi Shankar, ph: 7997079989
email: karnamravishankar1@gmail.com



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NATIONAL LEVEL INTER COLLEGIATE FEST

Name of the Event: National Level Inter Collegiate Fest

Topic: Cultural Events

Date: September 11, 2018

Venue: Auditorium, St. Pious X Degree & PG College For Women

Participants: B.Sc. MSCS-III, MPC-II & MPCS -II

No. of Participants: 06

Students participated in the National Level Inter Collegiate Fest organised by the Department of Mathematics & Statistics, St. Pious X Degree College for women, Nacharam on 11-09-2018. In this event students from BSC (MSCS, MPCS) second and final year participated in the events like MOC CID, HUNKY BRAINS, FILM BUZZ, COMEDY CIRCUS, DANCE PIRATES. Joseph, Harinath, and Fanith participated in stand-up comedy.

Anuhya, Vennela, Saikumar, and Yashashwini won Second prize in Quiz competition.

Sunalini, Alekhya won the First prize in Treasure Hunt.



Mr. Harinath, B.Sc. student of MPCS second year participating in National Fest.



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Second and Final Year Students of LFDC participated in National Fest and won the prizes, having a photo session with merit certificates.



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TWO DAY STATE LEVEL MATHEMATICS MEET- ENRICH MATHS

Name of the Event: Two Day State Level Mathematics Meet

Title /Topic: ENRICH MATHS

Date: 27th & 28th September 2018

Venue: Sarojini Naidu Vanitha Maha Vidyalaya

Participants: Mr. M. Prashanth, Ms. T. Swapna

No. of Participants: 02

Mr. M. Prashanth, Ms. T. Swapna Faculty, Department of Mathematics attended the Two-Day State Level Mathematics Meet which was organised by Department of Mathematics, Sarojini Naidu Maha Vidyalaya on 27th & 28th September 2018. First day of the session was started by the lighting of the lamp and introduction of the. Chief guest was Ms Chetana Mylabhutada IPS – ACP Sultan Bazar. The keynote speaker was professor G L Reddy (Dean School of Mathematics). Both of them spoke about the importance of Maths in the field of Science and Technology and the various applications of Maths which shows how Maths is connected with our daily life. In the next session Dr. C. Govardhan (Associate professor of Mathematics, OU) gave a lecture on the use of ICT in teaching Mathematics. In the last session Dr P Lalitha (HOD, St Francis Degree and P G College, Secunderabad) spoke about Mathematical software. She explained about the GeoGebra- Open-Source software. The second day of Mathematics meet was conducted on the Vedic Mathematics and the speaker was Dr Remella Avadhanulu Chief Executive, Sri Veda Bharathi who is well known for the logics and shortcuts in Mathematics by using Vedic Mathematics. He gave tips on how to multiply, divide three-digit numbers in a single step



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Chetan Mylabhutala, IPS addressing the audience in the Two-Day State Level Mathematics Meet



Dr. C. Govardhan, Associate Professor, O.U explaining the uses of ICT classroom in teaching Mathematics.



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Dr. Remella Avadhanulu, Chief Executive, Veda Bharathi explaining the short cut tips to calculate and to do the simplification in a short time.



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ONE DAY SEMINAR ON CURRENT TRENDS AND ITS APPLICATIONS IN MATHS

Name of the Event: One Day Seminar

Topic: Current Trends and its Applications in Mathematics

Date: 24th October 2018

Venue: Post Graduate College, OU Secunderabad

Participants: B.Sc. Second and Final year students

No. of Participants: 03

B.Sc. Second and Final Year students attended a one-day seminar on current trends and its applications in Mathematics organised by Post Graduate College, OU, on October 24, 2018. The first lecture was about how to identify big prime numbers and different conjectures about finding patterns of prime numbers, like Euler's, Fermat Primes, Mersenne Primes, and gold back's conjecture. The second lecture was about how mathematics is interlinked with the other subjects.



D. Mounica, Final year student of MECS, LFDC receiving the participation certificate by the Guest speaker in the seminar on current trends and its applications in Maths



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Vaishnavi, Final year student of MECS, LFDC receiving the participation certificate by the Guest speaker in the seminar on current trends and its applications in Maths.



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INTER - COLLEGIATE COMPETITIONS: ABSCISSA

Name of the Event: Inter Collegiate Competitions

Topic: ABSCISSA

Date: 22nd January 2019

Venue: Avanthi Degree College, Barkatpura

Participants: B.Sc. Final year students

No. of Participants: 04

An Intercollegiate competition was organised by the Department of Mathematics, Avanthi Degree College on 22nd January 2019. B.sc Final year students of MECS Participated in a poster competition on the applications of Mathematics in Science and Technology and won the prize. J Vaishnavi, D. Mounika, B. Sravani, E. Sravani won the first prize in the Poster Presentation competition.



B.sc Final Year students participating in Inter Collegiate competitions conducted at Avanthi Degree College, Barkatpura, Hyderabad.



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SEMINAR ON VEDIC MATHEMATICS

Name of the Event: One Day Seminar on Vedic Mathematics

Topic: To do the calculation in short time

Date: 24th January 2019

Resource Person: Dr. Remella Avadhanulu, chief executive, Veda Bharthi

Venue: Seminar Hall, LFDC

Participants: B.Sc. Final year students

No. of Participants: 87

The Department of Mathematics organised a one-day seminar on Vedic mathematics for the B.Sc. Final year students on January 24, 2019 to foster thinking skills, cultural insights, and enrich mathematical knowledge. The resource person for the session was Dr. Remella Avadhanulu, chief executive, Veda Bharthi. Sir started the session with Telugu grammar and correlated Telugu grammar with the number system. He gave a brief description of the decimal number system and the binary number system. He also emphasised the contributions of Indians in the field of mathematics, and one of the prominent contributions was Zero, without which modern-day mathematics wouldn't exist. He also explained about the works of Aryabhata, Bhaskara Charya, and Varaha Mitra in the field of mathematics. To save time in competitive exams and for faster calculations, he has explained some tricks in Vedic mathematics for the multiplication and division of larger numbers. He also explained tricks to find the square root, cube root, and nth root of larger numbers by spending very less time in calculations.



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Dr. Remella Avadhanulu explaining the shortcut techniques to the students



Rev. Bro. Vincent Reddy felicitating the Resource Person Dr. Avadhanulu with memento and shawl in the session.



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SEMINAR ON HOW TO PREPARE FOR THE OU PGCET

Name of the Event: Seminar

Topic: How to prepare for the OU PGCET

Date: January 29, 2019

Venue: Seminar Hall, LFDC

Resource Person: Dr. Kishan, Asst. Professor, OU

Participants: B.Sc. Final year students

No of participants: 78

A seminar was organized on how to prepare for the OU PGCET for the BSc final year students on January 29, 2019, which helps students reach their full potential and choose their area of interest in further study. The resource person was Dr. Kishan, Asst. professor, OU. Dr Kishan in his lecture emphasized the importance of Mathematics and how mathematics is used as a tool rather than as a subject in physical sciences and also in research. He motivated the students to do research in pure or applied Mathematics. He has given some tips to prepare for the OU PGCET exams.



Dr. Kishan, Assistant Professor, O.U explaining the importance of higher education in Mathematics.



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FIELD TRIP TO NATIONAL REMOTE SENSING CENTRE

Name of the Event: Field Trip

Topic: National Remote Sensing Centre

Date: February 1, 2019

Venue: NRSC, Jeedimetla

Participants: B.Sc. Final year students

No. of Participants: 135

The Department of Mathematics organised a Field Trip to NRSC for the BSc Final year students on 1st February 2019 to familiarise the students about survey and mapping of natural resources by using remote sensing. The National Remote Sensing Centre is one of the ISRO Hubs in India. It was established to cater the requirements of space-based applications. NRSC, collects the data from remote sensing satellites and analyses the data. In NRSC they gave a power presentation about the centres of ISRO, how ISRO is sending satellites to space and also about the working process of satellites. They have also shown the different stages of launch vehicles, countdown 70 days (intensive hours). They explained how a satellite is placed at a distance of 36000 KM from earth to match the angular velocity.



Mr. M. Prashanth, Ms. T. Swapna faculty, Dept. of Mathematics B.Sc. final year students as a part of field trip to NRSC



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NATIONAL CONFERENCE ON RECENT ADVANCES & ITS APPLICATIONS IN MATHS

Name of the Event: National Conference

Topic: Mathematical Sciences and its Applications

Date: 26th - 27th February 2019

Venue: Osmania University, Department of Mathematics

Participants: Mr. M. Prashanth, Mr. V. Naveen Kumar, Ms. T. Swapna

No. of Participants: 03

Mr. M. Prashanth, Mr. V. Naveen Kumar, Ms. T. Swapna attended the National Conference on 'Mathematical Sciences and Applications' conducted by the Department of Mathematics on 26th - 27th February 2019. The first session was on Instability in a porous medium with non - non-equilibrium by Prof. G. V Ravindranath Babu which was demonstrated with the nodes of the medium. The second session was on Mathematics in Data science by Prof. D. Sukumar. He gave a brief description of Data Science and its application in mathematics, linear algebra where the set of operators that we can perform on the group of numbers. The third session was on Eigen values & Eigen vectors by Prof D V Ramana. He explained about eigenvalues and vectors geometrically by taking examples and its applications.

On the second day, the session was about Numerical Integration and its applications by Prof Gopal Datt. He explained the applications of Numerical integration in daily life.



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Prof. D. V. Ramana addressing the participants in the National conference on Recent Advances in Mathematics.



Dr. M. Ravindranath Babu addressing the audience in the National Conference on Recent Advances in Mathematics.