HOLY CROSS COLLEGE (AUTONOMOUS)
Affiliated to Bharathidasan University
Nationally Accredited (4th Cycle) with A++ Grade (CGPA 3.75/4) by NAAC
College with Potential for Excellence
Tiruchirappalli - 620002.

PG AND RESEARCH DEPARTMENT OF MATHEMATICS
(SCHOOL OF MATHEMATICAL COMPUTATION SCIENCES)
and
INDIAN INSTITUTE OF VEDIC MATHEMATICS & ABACUS (IIVA)
New Delhi
(National Skill Development Corporation Approved)

Jointly Organizes a

FIVE DAY NATIONAL FACULTY DEVELOPMENT PROGRAMME (FDP) - Virtual Mode
on
INDIAN MATHEMATICS FROM VEDIC TO MODERN ERA (IMVME'24)
(Indian Knowledge System in Mathematics for Math Teachers & Educators)

Date : 18.11.2024 (Monday) - 22.11.2024 (Friday)   Time : 5.00 – 6.30 p.m. (IST)   Platform : Google Meet

ABOUT BHARATHIDASAN UNIVERSITY

Bharathidasan University (BDU) is located in Tiruchirappalli, Tamil Nadu, and is supported by the University Grants Commission (UGC). It has affiliated colleges in 9 districts of Tamil Nadu. The University offers a wide range of 16 Schools, 37 Departments, and 29 Research Centers. BDU offers 151 Programs, including 40 Postgraduate Courses (M.A., M.Sc., M.Tech.,) under the Choice Based Credit System (CBCS). It also offers M.Phil., Ph.D., Diploma, and Certificate Courses, along with Distance Education Programs for both Undergraduate and Postgraduate Studies.

ABOUT THE COLLEGE

Holy Cross College (Autonomous), Tiruchirappalli, is a prestigious Women's Arts and Science College, established in 1923 by the Sisters of the Cross of Chavanod. Located in the heart of 'The Rock City,' it has been a pioneer in women's education in South India. The College is affiliated to Bharathidasan University and has consistently achieved academic excellence, received the UGC recognition as a 'College with Potential for Excellence' in 2011, earned NAAC accreditation with an A++ grade and a CGPA of 3.75 in IV cycle of accreditation in 2020. The 101 year old College serves students from diverse socio-economic backgrounds, upholding its mission of inclusivity and women empowerment.

ABOUT THE DEPARTMENT

The Department of Mathematics began its journey in 1932 as Intermediate level. The introduction of the PUC was in 1956 and UG Mathematics in 1957. The UG and PG courses were started under self-financing stream in 1991 and 1994 respectively. In 2011, Ph.D Program was introduced. In 2012, the department has been elevated as PG and Research Department of Mathematics. In 2016, M.Phil. Program was introduced. In 2019, the Department came into the School of Mathematical Computation Sciences for greater flexibility. From 2021, the UG program and from 2023 the PG program follow the Learning Outcome-based Curriculum Framework (LOCF), focusing on higher-order thinking and experiential learning for the Student community.

ABOUT THE INDIAN INSTITUTE OF VEDIC MATHEMATICS & ABACUS (IIVA)

The Indian Institute of Vedic Mathematics (IIVA) is the only Government-recognized Institute in India for training teachers in Vedic Maths and Abacus. It is the official Body approved by NSDC (National Skill Development Corporation). With more than 5 years of experience, IIVA has trained over 80,000 students and operates various franchises across India, offering courses like Abacus teacher training and Vedic Maths classes.

ABOUT THE NATIONAL FACULTY DEVELOPMENT PROGRAMME

Mathematics is a powerful tool for global understanding and communication, reflecting the brilliance of the human mind. Its continuous development has spurred new challenges and fostering research across various domains. The Indian Knowledge Systems (IKS) is a division of the **Ministry of Education** of the **Government of India** to promote indigenous Indian systems of knowledge. The Indian **National Education Policy** (NEP), as enacted in 2020, emphasizes the inclusion of IKS into curriculums at all levels of education, in line with this, the Department of Mathematics aims to organize the Five Day National Faculty Development Programme on "**Indian Mathematics from Vedic to Modern Era**," which will be held virtually from 18th to 22nd November 2024.

AIM OF THE FDP

The aim of the Five Day National Workshop on IMVME'24 is to explore the evolution of mathematical knowledge, concepts and techniques across various historical periods from the Vedic and post-Vedic period, through the classical period to the colonial and modern era (including contributions from Indian Mathematicians in the 19th and 20th centuries) and to showcase the significant ancient Indian Mathematical Achievements and their influence on global mathematics.

Registration

Registration Link: https://forms.gle/ubAo7TV3epSQPMGi7
Last date for registration : 16th November, 2024
Registration fee for Faculty and Research Scholars:
Rs. 300 (India) & USD 5 (Other Countries)
Account Details:
Principal, Holy Cross College

Name of the Bank	:	State Bank of India
Account Number	:	32993766567
Branch	:	Tiruchirappalli Town
IFSC	:	SBIN0001312

Note: E-Certificates will be provided for all the registered participants.

TECHNICAL SESSIONS

Resource Person : Ms. JYOTI SHARMA,
                                  M.Com., PGDIBO., PGDM.,
Designation   : Senior Teacher Trainer, IIVA

Topics

Day 1	**Heritage of IKS** Introduction to Vedic Maths -History of Vedic Maths -Benefits of Vedic Maths - Sutras and Sub Sutras
Day 2	**Algebra of numbers using Vedic Maths** Different ways to add the numbers faster- Subtraction without borrowing
Day 3	**Shortcut Methods of Multiplication** Multiplication by 11 - Multiplication by 111 - Multiplication by 1111 - Multiplication by 12 to 19
Day 4	**Shortcut Methods of Multiplication** Multiplication by multiples of 11-Multiplication by multiples of 111 - Multiplication by multiples of 1111 -Multiplication by multiples of 12 to 19
Day 5	**Importance of IKS in Present Mathematics Scenario** Division Base Method-Importance of IKS in Present Mathematics Scenario

ORGANIZING COMMITTEE

PATRON :   Rev. (Sr). Dr. Sarguna
                    Secretary, Holy Cross College (Autonomous),Tiruchirappalli.

CHAIR   :   Rev. (Sr). Dr. Rajakumari, P.
                    Principal, Holy Cross College (Autonomous),Tiruchirappalli.

ORGANIZING SECRETARY

Dr. Mary Mejrullo Merlin, M.
Head and Assistant Professor of Mathematics,
Holy Cross College (Autonomous), Tiruchirappalli.

ORGANIZING TEAM

Dr. Rexlin Jeyakumari,S. Assistant Professor, HCC, Mobile: 99435 35635
Dr. Leema Maria Prakasam,A. Assistant Professor, HCC, Mobile: 88387 77491
Dr.Joy Beaula, F. Assistant Professor, HCC, Mobile: 94865 92715

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