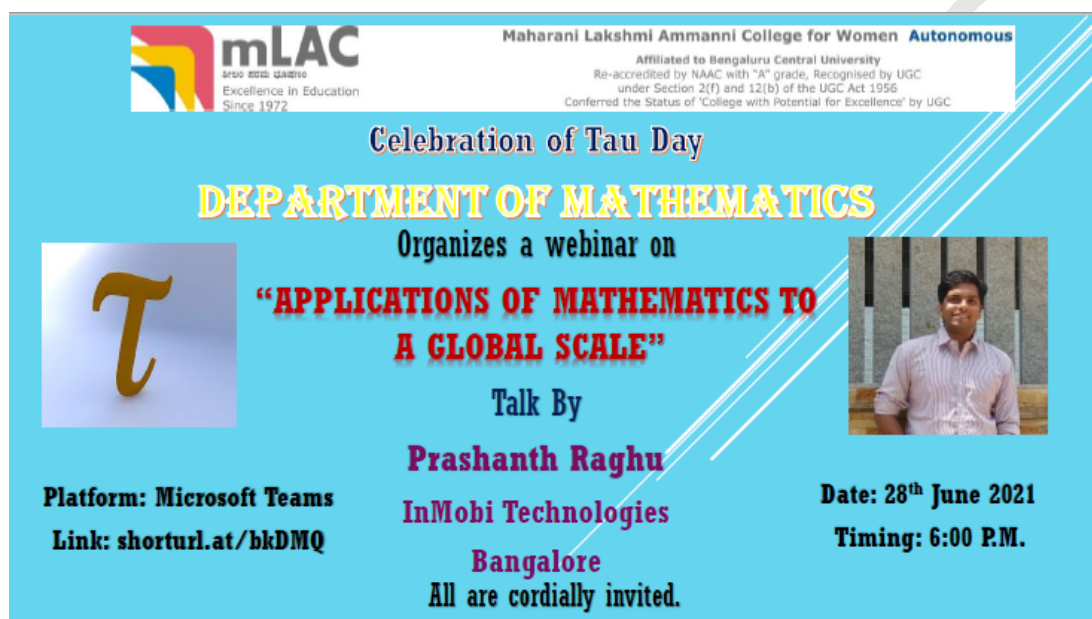


Title: Applications of Mathematics to a Global Scale

Date: 28/06/2021

Circular/Brochure:



The brochure is for a webinar organized by the Department of Mathematics at mLAC. It features the college's logo and affiliation details at the top. The main title is 'Celebration of Tau Day' followed by 'DEPARTMENT OF MATHEMATICS Organizes a webinar on "APPLICATIONS OF MATHEMATICS TO A GLOBAL SCALE"'. It mentions the speaker, Prashanth Raghu, and his affiliation with InMobi Technologies, Bangalore. The date and time of the webinar are listed as 28th June 2021 at 6:00 P.M. The platform is Microsoft Teams, and a link is provided. A photo of the speaker is also included.

mLAC
ಬೆಂಗಳೂರು ಮಹಿಳಾ ಅಭಿವೃದ್ಧಿ
Excellence in Education
Since 1972

Maharani Lakshmi Ammanni College for Women Autonomous
Affiliated to Bengaluru Central University
Re-accredited by NAAC with "A" grade, Recognised by UGC
under Section 2(f) and 12(b) of the UGC Act 1956
Conferred the Status of 'College with Potential for Excellence' by UGC

Celebration of Tau Day
DEPARTMENT OF MATHEMATICS
Organizes a webinar on
"APPLICATIONS OF MATHEMATICS TO A GLOBAL SCALE"
Talk By
Prashanth Raghu
InMobi Technologies
Bangalore
All are cordially invited.

Platform: Microsoft Teams
Link: shorturl.at/bkDMQ

Date: 28th June 2021
Timing: 6:00 P.M.

Report by student: Niveditha M, PCM, VI Semester

Webinar- Applications of Mathematics on a Global scale

Date- 28th June, 2021

The Department of Mathematics, mLAC had organized a webinar on 'The applications of Mathematics on a global scale', on Monday, 28th June 2021. The webinar was held through the online platform called Microsoft teams. It was organized on the account of Tau Day celebrations 2021. The resource person of the webinar was Mr. Prashanth Raghu, who works at InMobi Technologies as a technical architect.

The webinar began with a warm welcome speech by our beloved HOD of Mathematics Department, Dr. Nanda ma'am. Then the resource person for the day, Prashanth Raghu sir took over and gave a very informative talk. It was very relevant to every graduating pure math student as sir introduced us to a lot of avenues of the subject. He first took a common question on every student's mind: "Will what we study be of any application in the real world? If so, how and when?" By giving a satisfying answer to the question, he built more confidence and interest in the students. He also pointed out the relevance and importance of Mathematics in various fields, and how important a role it has got to play in all future endeavors. This part of his talk was truly intriguing.

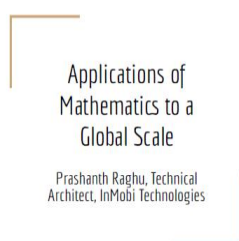
Further he went on telling us about the mathematics hidden behind the most wonderful of technologies developed by the IT fraternity. Sir picked up some exciting topics like Internet, Content Delivery Network (CDN), Block chains, Social networks, Image processing, Artificial intelligence, and so on. Knowing how much of mathematics is involved in developing some of our most favorite apps like instagram, whatsapp, facebook, and so on, left us amazed.

Sir also told us a lot about his experiences of working in the IT sector as an engineer, and the challenges he had to face there. He also highlighted that the competition is one thing that is inevitable in everyone's career life. Speaking about the importance of hardwork, confidence and belief in one's own abilities, he told how an individual is wholly responsible for his/her personal growth, regardless of the place he/she belongs to. That was really motivating.

Further he concluded by telling more about how much of opportunities the subject (maths) has got to offer to its students and boosted our self confidence. He enthusiastically took questions from the audiences and clarified doubts. Overall, his talk gave us an assurance of building a great career.

The webinar ended with a heartfelt thank you speech by one of our lecturers, Mrs. Ranjitha ma'am. Everything put together, the webinar made this year's Tau Day very meaningful and memorable.

Photographs:



Applications of Mathematics at a Global Scale

- The Internet

Largest present practical application of systems requirements with strong mathematical association. The internet is considered to be a large graph of connected nodes each having their identity (Internet Protocol Address / IP Address).

Simplification of internet boils down to a graph and hence all graph algorithms remain valid on the internet.

Example: Shortest path.

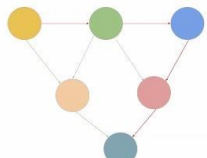
6:50 PM | 45.0KB/s | 6:29 PM | 36.9KB/s

Webinar by Prashant...
06:59 86 attendees

Image Processing at Scale

- Most practical example of Mathematics
- Fourier Transforms, Differential Equations, Integration, Matrix and Algebra.
- Modelling an image as a matrix of pixel with RGB values.
- Image processing applies filters on these matrices to obtain different images based on the base matrix.

CDN - Shortest Path Network



Prashanth R

Prashanth R

sudha P Mathematics Prashanth R G AS M PR G

Microphone icons and a red call button are visible at the bottom.

38:52

Prashanth R (Guest) Dr.Nanda Kulkarni (Guest) Mathematics

Prashanth R (Guest) Dr.Nanda Kulkarni (Guest) Mathematics

SS SV BR NM AS MS SP RM B SP VP NK R

ENG US 7:37 PM 28-Jun-21

Attendance or attendance certificate of students:

Tap to return to meeting 06:50			Tap to return to meeting 06:46			Tap to return to meeting 06:38			Tap to return to meeting 06:30		
In meeting (87)			In meeting (87)			In meeting (87)			In meeting (87)		
S	sindhushree		SM	shwetha M		RM	Rachana M Rachana M		MB	mownika BR	
S	Sowmya		SG	Shylaja G (Guest)		R	Ramya.R		NR	Nethravathi. R	
SS	Sowmya S		SN	Sinchana N		R	Ranjitha (Guest)		NN	Nisarga K N (Guest)	
SJ	Sreelakshmi J		S	Sindhu.B		RF	Rida Fathima		NN	Nischitha Nayak	
SJ	sreerama Jasvitha		S	sindhushree		SM	S. Muthu Meenakshi		NJ	nithya nayaka. j	
SP	sudha pujar		S	Sowmya		SM	Sahana M		NK	NIVEDITHA B K (Guest)	
SN	Supriya K narayan		SS	Sowmya S		SP	shashikala P		NM	Niveditha M	
SR	Swapna Raj.K		SJ	Sreelakshmi J		SS	Shilpa G S		PH	Pannaga HB	
SP	Swechha Pandey		SJ	sreerama Jasvitha		SG	Shilpashree G.P.		PR	Prashanth Raghu	
TK	Trisha Reddy K		SP	sudha pujar		SS	Shiva Shankar (Guest)		PH	preethi H	
VP	Vanishree R Padaki		SN	Supriya K narayan		SV	Shreeyashri S V		PG	Priyanka G	
VM	Varsha MV		SR	Swapna Raj.K		SR	Shubhashree R Shub...		PS	Priyanka S	
Y	Yashashwini.h.s		SP	Swechha Pandey		SM	shwetha M		RM	Rachana M Rachana M	
Tap to return to meeting 06:24			Tap to return to meeting 06:18			Tap to return to meeting 06:11			Tap to return to meeting 06:05		
In meeting (87)			In meeting (87)			In meeting (86)			In meeting (86)		
MN	Madhushree N		GR	Gagana Shree R		BS	Bhavana S		Organiser		
MS	Madhushree S		G	Gagana.B.M		BG	bhavani GS		M	Mathematics	
MM	Maheen Mubeen		GS	Gayathri G S		BR	Bhuvana R		Participants		
MD	Manisha Dayal		GS	gayathri sathyan (Gu...		B	bkdmg			kavya M	
MR	Manisha R		GS	Gowthami S		CB	Chaithra BR		AN	Aishwarya R N (Guest)	
ML	Manjushree Musali L		HN	Hamsa N		CM	Chaithra MK		AU	Aishwarya U	
M	Meghana .M		H	http://shorturl.at/bkd...		C	chandana.C.A.		AR	Akhila k R	
M	Meghana .N		I	Iqra		C	Chethana.K.H		AS	Akhila Suresh	
MV	Meghana V		JJ	Jayalekshmi Jayaku...		DS	Divya S		AB	Amulya Namana D B	
M	Meghana.G		KR	Keerthi Ramesh(PMCs)		DK	Dr.Nanda Kulkarni (Gu...		AB	Anjushree R B	
MU	Mohini Aishwarya U		KT	KR Thanisha		G	g_shylaja		AS	Ashwini H S	
MS	Monisha S		L	Lakshmi.M.R		GC	Gagana C		AT	Ayesha Taqiya	
MB	mownika BR		MN	Madhushree N		GR	Gagana Shree R		BS	Bhavana S	