



B.M.S. COLLEGE OF ENGINEERING, BENGALURU 560 019

Autonomous Institute, Affiliated to VTU

DEPARTMENT OF MATHEMATICS AND HUMANITIES

Activities in the month of July -2019

1. The following faculty members of the Department of Mathematics and Humanities were invited as a resource person for the Induction Program 2019-2020 at FET, MJP Rohilkhand University, Bareilly and delivered a talk on the below Topics:

Sl. No.	Name of the Faculty	Date	Topic
1	Dr S. Jayanthi	25/07/2019 and 26/07/2019	Maths 1
2	Dr Vanishree B.N.		English
3	Dr Rangaswamy	29/07/2019 and 30/07/2019	Maths 3
4	Mr Anthony Christy Melson		Maths 2

2. Dr Jayaramaiah V., Assistant Profesoor, Department of Mathematics and Humanities associated in the seat selection process of UGET – 2019 for Engineering / Architecture courses organised by COMEDK at NMKRV Mangala Mantapa, Jayanagar 3rd Block, Bangalore – 560 011 as under:
 - a) From 01/07/2019 to 13/07/2019 – Engineering First round (except 7th)
 - b) From 24/07/2019 to 31/07/2019 – Engineering Second round
 - c) On 19/07/2019 to 01/08/2019 – Architecture First and Second round

Activities in the month of August -2019

1. Dr Sujatha N., Assistant Profess, Department of Mathematics invited as a resource person and delivered a talk on the following events:
 - a) Talk on “Effectiveness of Education” at Youth Convention as part of Centenary Celebrations on 02/08/2019 at Sri Ramakrishna Student’s Home, Bengaluru.
 - b) Talk on “Teaching learning skills (Outcome based Education)” to the I Semester students of Civil Engineering, BMSCE at the Induction Program on 16/08/2019.

Photo:



2. The Department conducted Diagnostic Test in Mathematics for First year students on 26/08/2019 and 27/08/2019.
3. Pentagram-The Mathematical Society of BMSCE organised an Orientation programme and Recruitment test for I semester students on 28/08/2019, which is graced by the Principal. Total 136 students participated and showed enthusiasm to join the Pentagram-The Mathematical Society of BMSCE.



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Activities in the month of September -2019

3. Dr S. Jayanthi, Professor, Department of Mathematics Published a paper titled:
A Modified Compact numerical algorithm to solve 2D Navier-Stokes equation in the International Journals of Results in Applied Mathematics, Vol. 3, No. 100065, pp: 01-06, ISSN: 2590-0374, 2019.
4. Final Viva-Voce Examination for the doctoral student Mr Rangaraju B.V (USN: 1BM15PGJ04) has been conducted under the guidance of Dr. Gayathri M.S., Assistant Professor, Department of Mathematics on 09/09/2019.

Photo:



5. Pentagram - The Mathematical Society of BMSCE, conducted the following events in the technical fest Phase Shift -2019 held on 14/09/2019 and 15/09/2019.
 - a) **Brain Storm 2.0:** A free online event, where a new question was updated once in every hour. Total of 6 questions were asked on each of the two days. The questions were based on logical reasoning and mathematical reasoning.
 - b) **Gridlocked:** First round (elimination round) consisted of kokuro and questions. Seven teams qualified to the next round. The second and final round consisted of a map with a starting point, 7 check points and one fuel station. Each team was given a certain fuel value to start with. The objective was to cover all the 7 checkpoints with the least amount of fuel.
 - c) **Inphinite Hunt:** First round (elimination round) consisted of logical reasoning questions wherein they had to decode the answers to find a Scientist's name. Seventeen teams qualified to the next round. The second and final round consisted of quantitative and tricky mathematical questions. Plotting these answers in a grid, the teams had to find the treasure.



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- d) **Math Mania- A Collector's Quest:** The event was held on 15/09/2019. The first round was a three step elimination, where in participants had to answer questions of different difficulty levels (namely, easy, medium and hard) and were eliminated or awarded tokens based on their rankings. A total of 14 teams qualified to Round 2. Round 2 was a challenge based round. Each team was allowed to challenge another team to win over the latter's tokens. The team with the highest number of collections towards the end of the challenges would be declared as winners. The event was well received as per motto "Fun through Math".

Photo:



Activities in the month of October -2019

1. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics published a paper titled: Slip Effects on Convective Flow Between Rotating Stretchable Disks in Anisotropic Porous Medium with Cattaneo-Christov Heat Flux Model in the International Journal of Mechanical Engineering and Technology (IJMET), pp: 166-175, Vol.10, Issue:10, ISSN: 0976-6340(P), 0976-6359(O), October 2019.
2. Ms Sheeba N., Assistant Professor, Department of Mathematics and Humanities Presented and Published a Research paper titled: A Study on financial Technology (Fintech) in Banking Sector in India in the International Journal of Advance and Innovative Research (Part-II), Vol.6, Issue: 4(I), PP: 35-38, ISSN: 2394-7780, Oct.-Dec. 2019.
3. Dr Jayaramaiah V, Assistant Professor, Department of Mathematics and Humanities Co-ordinated the Inauguration of "Prathiba Parva-2019" from Chiranthana BMS Kannada Sangha, held on 15/10/2019 and 16/10/2019 with the following activities like:
 - a. Olavina Ole,
 - b. Prabundha,
 - c. Nidhi Shodhane,
 - d. Mukabinaya,
 - e. Nanngu Baruthe Kannada,
 - f. Antakshari,
 - g. Rasa Prashne and
 - h. Ashu Bhashana.



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PHOTOS:



4. Pentagram-The Mathematical Society of BMSCE hosted the Event: “Math-Pi-Rates: for IEEE Day on 10th October 2019. It was a team of 2 events and 18 teams participated. The feedback from the participants was that the event was interesting and fun. Pentagram Badges for the members of the club were provided. There are 2 colours of badges – black and white.

The badge designs are as follows:





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Activities in the month of November 2019

1. Dr Jayaramaiah V, Assistant Professor, Department of Mathematics and Humanities, Co-ordinated the following events:

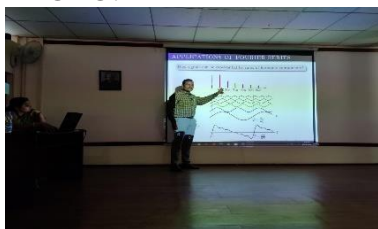
a) An Inspirational Talk on Manegondhu Mara Urigondhu Vana by Padma Shri. Saalumarada Thimmakka on 07/11/2019 Organised by NSS, Prakruthi, BMSCE'S Nature Club and Chiranthana BMS Kannada Sangha at BMSCE.

b) The event "Kannadothsava-2019" was organised, where in Chiranthana Magazine was released Vol. 12 from Chiranthana BMS Kannada Sangha held on 26/11/2019 at BMSCE.

2. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics was Invited as a Resource person to deliver a talk on:

i. Applications of Fourier series, Fourier Transforms and Laplace Transforms to the Second Year Engineering Students of Dayananda Sagar Academy of Technology & Management, Bengaluru on 19/11/2019.

PHOTO:



ii. Applications of Mathematics in Engineering to the First Year Engineering Students of Cambridge Institute of Technology, Bengaluru on 22/11/2019.

PHOTOS:



3. Dr Sujatha N., Assistant Professor, Department of Mathematics completed the SWAYAM NPTEL Twelve week online certification course of Introduction to Methods of Applied Mathematics organised by IIT, Madras, funded by MHRD, GOI from July 2019 to October 2019.

4. Dr Chaitra V., Assistant Professor, Department of Mathematics completed the following SWAYAM NPTEL Eight week online certification courses of :

a) Developing Soft Skills and Personality organised by IIT, Kanpur, funded by MHRD, GOI from August 2019 to October 2019.

b) Matrix Analysis with Applications organised by IIT, Roorkee, funded by MHRD, GOI from August 2019 to October 2019.



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5. Pentagram-the Mathematical Society of BMSCE organised an Internal Event: **PENTASCINO** on 23/11/2019. It is a team event of two rounds and total eight teams participated. The feedback of all the participants was that the event was unique and fun.

6. Celebration of the Constitution Day: The Constitution day, which is also known as the Samvidhan Divas, is celebrated every year on 26 November to commemorate the adoption of the Constitution of India. On 26 November 1949, the Constituent Assembly was established under the able guidance and leadership of honourable B.R Ambedkar and the draft Constitution was introduced. While the adoption of the Constitution took place on 26 November 26, 1949, it came into effect on 26 January 26, 1950.

“The Constitution Day” was celebrated at BMS College of Engineering, Bengaluru on 26th November, 2019, to spread awareness about the Indian Constitution among the student community. The Department of Mathematics and Humanities has coordinated the event, programme formally commenced at 10.30 am with a warm inaugural welcome by the faculty. The Preamble reading was done by the Head of the Department, the faculty members, the staff and the students to understand the aims, objectives and ideas of the Indian constitution.

The Arrangements for viewing the live telecast of the programme from the Central Hall of Parliament to commemorate the 70th Anniversary of Indian Constitution were made in the Auditorium. The following activities such as debate and quiz competitions were conducted to create a civic sense among the students and to emphasize the significance of Indian constitution.

PHOTO:

Live telecast of the programme from the Parliament



Quiz Competition



Debate Competition





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Activities in the month of December 2019

1. Mr Rahul R., Assistant Professor, Department of Mathematics attended the 64th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2019) and presented a paper titled: “Mathematical Modeling of Drug Dynamics in Arterial Drug-eluting stent” at IIT, Bhubaneswar from 09/12/2019 to 12/12/2019.
2. Dr Chandra Shekara G., Assistant Professor, Department of Mathematics presented and Published a paper titled: “Pseudo-spectral Solution of Thermal Instability of Nano-fluid flow through a channel” in the Proceeding of the 64th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2019) at IIT, Bhubaneswar from 09/12/2019 to 12/12/2019.
3. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended the 64th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2019) and presented a paper titled: “A study of Cu/Ag Nanoparticle based heat transfer Augmentation in Darcy brinkmann forchheimer flow in square cavity” at IIT, Bhubaneswar from 09/12/2019 to 12/12/2019.
4. Ms Deepthee M.R., Assistant Professor, Department of Mathematics completed her Ph.D. Viva Voce examination on 09/12/2019, Title of the Thesis: Mathematical modelling of wireless chip to chip communication within enclosures form University of Nottingham, UK.
5. Mr Anthony Christy Melson, Assistant Professor, Department of Mathematics attended Workshop cum Winter School on Methods for Nonlinear Dynamical Systems and Chaos organized by MNIT, Jaipur from 23/12/2019 to 27/12/2019.

Activities in the month of January 2020

1. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended Winter Visiting Research Program – 2020 under TEQIP organized by IIT, Kanpur from 01/01/2020 to 28/01/2020.
2. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended Special Symposium in Discrete Mathematics organized by Christ Deemed to be University, Bengaluru on 19/01/2020.
3. Dr S. Jayanthi, Professor, Department of Mathematics attended Three day workshop on Exam Reforms organized by KLE Technological University, Hubli from 20/01/2020 to 22/01/2020.
4. Ms P. Gomathi., Assistant Professor, Department of Mathematics has completed her Ph.D. Viva Voce examination on 24/01/2020 under the guidance of Dr R. Murali, Professor, Dr. AIT, Bengaluru.
Title of the Thesis: “Some contributions to the theory of Hamiltonian Laceable Graphs and Application to Computer Networks”.



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5. The following faculty members were participated in One Week Faculty Development Program on Outcome Based Education and Accreditation organized by ISTE-BMSCE Chapter, BMSCE, Bangalore From 27/01/2020 to 31/01/2020.

1	Dr Sujatha N.
2	Dr Chaitra V.
3	Ms Deepthee M.R.

Activities in the month of February 2020

1. Pentagram – The Mathematical Society of BMSCE conducted Pentagram Treasure Hunt a free event on Saturday, 8th February, 2020. It was a treasure hunt with treasure hidden throughout different locations in the college and the clues were hidden in the event posters. Participants also had to solve 7 questions that were the treasures, by scanning the QR code in each of the 7 posters. Winners were selected based on multiple criteria including getting the correct final answer, getting individual answers and also the order of finding the treasures. The event was successful with enthusiastic participation and positive feedback.
2. Dr. P. Gomathi., Assistant Professor, Department of Mathematics, awarded Ph.D. degree from VTU, Belagavi.
Thesis Title : Some Contributions to the Theory of Hamiltonian Laceable Graphs and Applications to Computer Networks.

Activities in the month of March 2020

1. Dr Deepthee M.R., Assistant Professor, Department of Mathematics, awarded Ph.D. degree from Nottingham, UK on 15/03/2020.
Thesis Title : “Mathematical modelling of wireless chip to chip communication within enclosures”.
2. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics Published two research papers titled:
 - a. Hydrodynamic flow between rotating stretchable disks in an orthotropic porous medium in the International Journal Songklanakar Journal of Science Technology, 42(2), pp: 391-397, ISSN No. 0125-3395, April 2020 (UGC approved and SCOPUS journal).
 - b. Computational Study on two-phase MHD buoyancy driven flow in an asymmetric diverging channel in the International Journal Songklanakar Journal of Science Technology, 42(2), pp: 415-423, ISSN No. 0125-3395, DOI: 10.14456/sjst-psu.2020.54, April 2020 (UGC approved and SCOPUS journal)
3. Pentagram-The Mathematical Society of BMSCE conducted the following online programmes:
 - i. Puzzle Week was a free puzzle event conducted during the lockdown with a purpose to bring in some joy with interesting puzzles. It was conducted on the social media platform (Instagram) for a duration of one week from 24th April- 30th April 2020. In this online event, a puzzle was uploaded each day with a duration of one day to solve it. The winners were given a shoutout on BMSCE PENTAGRAM pages.
 - ii. Online event ‘Hourglass’ in collaboration with BMSCE IEEE PES Day 2020 on 27th of April 2020. It was held **online** on the portal: <https://bmscepentagram.wixsite.com/mysite>.
 - The participants were given at most 10 min to answer a particular question.
 - One question was posted on the website for about 10 minutes and after that the question was deleted in order to post the next one.



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- The participant who answered the maximum number of questions correctly and took the least time were announced as the winners. The winners were given a shoutout on BMSCE PENTAGRAM and IEEE_PES Instagram pages.

Finally, the feedback of all the participants was that the events were interesting and filled with fun. Emerging as winners after solving such challenging questions was not an easy task. Participants had a great time throughout the course of the event. It was satisfactory on both the ends.

Activities in the month of April 2020

1. Mr Anthony Christy Melson, Assistant Professor, Department of Mathematics attended online NPTEL-AICTE FDP on Transform Calculus and its Application in Differential Equations organized by IIT, Kharagpur from January 2020 to April 2020.
2. Ms Shazia P.A., Assistant Professor, Department of Mathematics attended online NPTEL-AICTE FDP on Transform Calculus and its Application in Differential Equations organized by IIT, Kharagpur from January 2020 to April 2020.
3. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended online NPTEL-AICTE FDP on Transform Calculus and its Application in Differential Equations organized by IIT, Kharagpur from January 2020 to April 2020.
4. Dr Gayathri M.S., Assistant Professor, Department of Mathematics attended online SWAYMA NPTEL 12 week Certification on Ordinary and Partial Differential Equations and Application organized by IIT, Roorkee from January 2020 to April 2020.
5. Dr Gomathi P., Assistant Professor, Department of Mathematics attended online SWAYMA NPTEL 12 week Certification on Ordinary and Partial Differential Equations and Application organized by IIT, Roorkee from January 2020 to April 2020.
6. Mr Rahul R., Assistant Professor, Department of Mathematics attended online SWAYMA NPTEL 12 week Certification on Ordinary and Partial Differential Equations and Application organized by IIT, Roorkee from January 2020 to April 2020.
7. Dr Chandrashekara G., Assistant Professor, Department of Mathematics attended online SWAYMA NPTEL 12 week Certification on Ordinary and Partial Differential Equations and Application organized by IIT, Roorkee from January 2020 to April 2020.
8. Dr T.N. Vishalakshi, Professor, Department of Mathematics attended online SWAYMA NPTEL 12 week Certification on Transform Calculus and its Application in Differential Equation organized by IIT, Kharagpur from January 2020 to April 2020.
9. Dr Deepthee M.R., Assistant Professor, Department of Mathematics attended online SWAYMA NPTEL 12 week Certification on Transform Calculus and its Application in Differential Equation organized by IIT, Kharagpur from January 2020 to April 2020.



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Activities in the month of May 2020

1. Dr Gayathri M.S., Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Online Faculty Development Programme on R Language Organised by Auxilium College, Vellore in collaboration with the Spoken-Tutorial, IIT Bombay from 13/05/2020 to 20/05/2020.
 - ii. AICTE Training And Learning (ATAL) Academy Online FDP on Artificial Intelligence organised by Motilal Nehru National Institute of Technology, Allahabad from 18/05/2020 to 22/05/2020.

2. Dr P. Gomathi, Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Online Faculty Development Programme on R Language Organised by Auxilium College, Vellore in collaboration with the Spoken-Tutorial, IIT Bombay from 13/05/2020 to 20/05/2020.
 - ii. AICTE Training And Learning (ATAL) Academy Online FDP on Artificial Intelligence organised by Motilal Nehru National Institute of Technology, Allahabad from 18/05/2020 to 22/05/2020.

3. Mr Rahul R., Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Online Faculty Development Programme on R Language Organised by Auxilium College, Vellore in collaboration with the Spoken-Tutorial, IIT Bombay from 13/05/2020 to 20/05/2020.
 - ii. AICTE Training And Learning (ATAL) Academy Online FDP on Artificial Intelligence organised by Motilal Nehru National Institute of Technology, Allahabad from 18/05/2020 to 22/05/2020.
 - iii. Online Quiz on Applied Mathematics, organised by Mohamed Sathak A.J. College of Engineering, Chennai on 25/05/2020.

4. Dr Chandra Shekara G., Assistant Professor, Department of Mathematics attended the following programmes:
 - a. Online Faculty Development Programme on R Language Organised by Auxilium College, Vellore in collaboration with the Spoken-Tutorial, IIT Bombay from 13/05/2020 to 20/05/2020.
 - b. AICTE Training And Learning (ATAL) Academy Online FDP on Artificial Intelligence organised by Motilal Nehru National Institute of Technology, Allahabad from 18/05/2020 to 22/05/2020.
 - c. Two online Quizzes on Applied Mathematics organised by Mohamed Sathak A.J. College of Engineering, Chennai on 25/05/2020.
 - d. A National level E-Quiz by i-math Club organised by PSNA College of Engineering and Technology, Dindigul on the Last week of May, 2020.



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5. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics Published the two research papers titled:
 - a. Four weeks online non-credit course on Welcome to Game Theory authorized by the University of Tokyo and offered through Coursera from 29/04/2020 to 29/05/2020.
 - b. On the Upper Security Number of a Graph in the International Journal of Communications in Optimization Theory, Vol. 2020, pp: 1-10, DOI: 10.23952/cot.2020.12, 19/05/2020.
 - c. Accurate Alliances in Graphs Graph in the International Journal of Journal of Advanced Research In Dynamical and Control Systems, Vol. 12, Issue:4, pp: 203-215, ISSN: 1943-023X, May 2020.
 - d. Online Two day International Webinar on Recent research Topics in Graph Theory organised by MES Mampad College, Kerala from 20/05/2020 to 21/05/2020.
6. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics Invited as a Resource person to deliver a talk in the National Webinar on Applications of Mathematics organised by St.Pious X Degree & PG College for Women, Hyderabad, Telangana on 27/05/2020.
7. Dr Chaitra V., Assistant Professor, Department of Mathematics attended the following programmes:
 - i. Online Quiz on Aptitude organised by Soundarya Institute of Management & Science, Bangalore on 06/05/2020.
 - ii. 3-day Faculty Enrichment Program Frontiers in Smart Learning organised by DBT-STAR scheme colleges, Bengaluru cluster from 14/05/2020 to 16/05/2020.
 - iii. One day Webinar on Innovations in Graph Theory organised by Sree Ayyappa College of Women, Nagercoil on 26/05/2020.
 - iv. Webinar Student Transition & Elevation Partnership Program (STEP) on Three Amigos: Mouse clicks, Humans & Threats organised by IEEE Young Professional, Bangalore Section and BMSCE on 28/05/2020.
 - v. Two Days International Webinar on Fluid Dynamics and its Applications organised by Govt. First Grade College, Bengaluru on 28/05/2020 and 29/05/2020.
 - vi. Two Days online Faculty Development Programme on Google Apps organised by Dept. of Science and IQAC, Christ College of Science and Management, Malur on 29/05/2020 and 30/05/2020.
8. The following faculty members of the Department were participated the two days International Webinar on Fluid Dynamic and Its Application, organised by the Government First Grade College, Bengaluru on 28/05/2020 and 29/05/2020.

i.	Dr Gayathri M.S.
ii.	Mr Rahul R.
iii.	Mr Anthony Christy Melson
iv.	Dr Chandrashekara G.
v.	Ms Shazia P.A.
vi.	Dr B. Mallikarjuna
vii.	Dr Chaitra V.



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Activities in the month of June 2020

1. Dr S. Jayanthi, Professor, Department of Mathematics published a research paper titled: Performance of four Different Nanoparticles in Boundary Layer Flow over a Stretching Sheet in Porous Medium Driven by Buoyancy Force in the International Journal of Applied Mechanics and Engineering, Vol.25, No.2, pp.1-10, June 2020.
2. Mr Anthony Christ Melson, Assistant Professor, Department of Mathematics published a research paper titled: Nonlinear Analysis of Effect of Rigid Body Rotation on Ferroconvection in the Journal of Heat Transfer, Vol.142, June 2020.
3. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics published a research paper titled: Convective Flow of a Ferrofluid Between Rotating Stretchable Disks in An Anisotropic Porous Medium in the International Journal of Advanced Science and Technology, Vol. 29, No. 6, (2020), pp. 3590 – 3598, ISSN: 2005-4238, June 2020, Scopus Journal.
4. The following faculty members of the Department were attended Five-day online FDP on Evolution from offline to online teaching organised by Satish Pradhan Dyanasadhana College, Thane, Yashwantrao Chavan Maharashtra open University, Mumbai and Microsoft from 30/05/2020 to 03/06/2020.

i.	Dr P. Geetha Vani
ii.	Dr Veena Jawali
iii.	Dr H. Y. Shrivalli
iv.	Dr T. N. Vishalakshi
v.	Dr Gayathri M. S.
vi.	Dr Gomathi P.
vii.	Mr Rahul R.
viii.	Dr Chandra Shekara G.
ix.	Ms Silvia Leera Sequeira
x.	Dr Chaitra V.
xi.	Dr Deepthee M.R.

5. The following faculty members of the Department were attended Five day online International FDP on Recent Trends in Applied Mathematics organised by SNS College of Technology, Coimbatore from 02/06/2020 to 06/06/2020.

i.	Ms Silvia Leera Sequeira
ii.	Dr Chaitra V.
iii.	Dr Deepthee M.R.

6. The following faculty members of the Department were attended One week online FDP on NBA and NAAC Accreditation Process organised by MSRIT, Bengaluru under AICTE Margdarshan Scheme from 04/06/2020 to 08/06/2020.

i.	Dr Gayathri M.S.
ii.	Dr Gomathi P.
iii.	Mr Rahul R.
iv.	Dr Chandra Shekara G.



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7. Ms Silvia Leera Sequeira, Assistant Professor, Department of Mathematics attended One week Online FDP on recent Advances in Material Science and Mathematical Application organised by Ghousia College of Engineering, Ramanagara from 15/06/2020 to 19/06/2020.

8. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended One week Online FDP on Role of Machine Learning & Data Sciences in AI organised by Mahatma Gandhi Institute of Technology, Hyderabad, Telangana from 28/06/2020 to 02/07/2020.

9. Dr P. Geetha Vani, Professor, Department of Mathematics attended Online International Webinar on How to Build a Positive Attitude and Positive State of Mind organised by BMSCE & Nagarjuna College of Engineering & Technology, Bengaluru on 05/06/2020.

10. The following faculty members of the Department were attended the Online STTP on Protecting against pandemic – Holistic Approach towards Health organised by BMSCE – IEEE SB, Bangalore from 08/06/2020 to 13/06/2020.

i.	Dr T. N. Vishalakshi
ii.	Dr Gomathi P.
iii.	Dr Chaitra V.
iv.	Ms Sheeba N.

11. Dr Chandrashekara G., Assistant Professor, Department of Mathematics:

- i. Completed Online non-credit Course on Principal Component Analysis with NumPy from Coursera Project Network and offered through Coursera on 09/06/2020.
- ii. Delivered a talk on the topic: Spectral Quasilinearization Approaches for Solving Boundary Value Problems in Fluid Mechanics in the Two Days National Webinar on Fluid Mechanics at KGiSL Institute of Technology, Coimbatore from 29/06/2020 to 30/06/2020. (Online)

12. The following faculty members of the Department were attended the National Webinar on Differential Equations Approach in Mathematical Modelling organised by Govt. First Grade College, Chintamani on 10/06/2020.

i.	Dr T. N. Vishalakshi
ii.	Dr Gayathri M.S.
iii.	Dr Gomathi P.
iv.	Mr Anthony Christy Melson
v.	Ms Shazia P.A.
vi.	Dr Deepthee M.R.

13. Ms Shazia P.A., Assistant Professor, Department of Mathematics attended Online 4 Days Live Webinar on Research Methodology and Data Analysis organised by Karnataka Science and Technology Academy (KSTA), Bangalore from 17/06/2020 to 20/06/2020.

14. Dr Sujatha N., Assistant Professor, Department of Mathematics attended the Spit-free India Movement (Prevent the spread of COVID-19) from Narayana Health from June 2020 to August 2020.

15. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics attended the following Programmes:

- i. 4th one week online STTP on Implementation of Advanced Optimization of Advanced Optimization techniques using MATLAB conducted by Rajarambapu Institute of Technology, Islampur from 01/06/2020 to 06/06/2020.



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- ii. Online Two day Webinar on Applications of Mathematics in Mechanical Engineering conducted by KPR Institute of Engineering and Technology, Coimbatore from 11/06/2020 to 12/06/2020.
 - iii. Online National Webinar on Fluid Dynamics conducted by School of Basic Science, Manipal University, Jaipur on 23/06/2020.
 - iv. Online Webinar on Enhancement of Curriculum Through CDIO organised by BMSCE, Bengaluru from 24/06/2020 to 25/06/2020.
16. Dr B. Mallikarjuna, Assistant Professor, Department of Mathematics Invited as a Resource person to deliver a talks in the following programmes in online mode:
- i. National Webinar on Innovative Approaches in Differential Equations organised by Vignana Bharathi Institute of Technology, Telangan on 05/06/2020.
 - ii. National Webinar on Differential Equations Approach in Mathematical Modelling organised by Govt. First Grade College, Chintamani on 10/06/2020.
 - iii. One week Faculty Development Program on Importance of Fourier Series and Transforms organised by Ghosia College of Engineering, Ramanagar from 15/06/2020 to 20/06/2020.
 - iv. International 4-Day Webinar Sameekaran on Importance of Mathematics organised by Andhra Mahila Sabha Arts & Science College for Women, Hyderabad, Telangana from 18/06/2020 to 21/06/2020.
 - v. One Week National Level FDP on Mathematical Modeling & Simulation organised by Maturi Venkata Subba Rao (MVSR) Engineering College, Hyderabad, Telangana from 25/06/2020 to 30/06/2020.
17. Dr Chaitra V., Assistant Professor, Department of Mathematics attended the following Programmes:
- i. Six Weeks online non-credit course on Learning to Teach Online from The University of New South Wales, Sydney, offered through Coursera from 17/05/2020 to 15/06/2020.
 - ii. Six Week Online non-credit Course on Mathematical Thinking in Computer Science from University of California San Diego and National Research University Higher School of Economics offered through Coursera from 21/05/2020 to 10/06/2020.
 - iii. Five Week Online non-credit Course on Introduction to Graph Theory from University of California San Diego and National Research University Higher School of Economics offered through Coursera from 21/05/2020 to 01/07/2020.
 - iv. Online One Day National Webinar on Graph Theory organised by Government Arts College (Grade-1), Chidambaram on 12/06/2020.
 - v. Online National Webinar on Recent Advancements in Graph Theory organised by Hemchandracharya North Gujarat University, Patan on 16/06/2020.
 - vi. Online Webinar on Abstract Algebra and its Applications organised by A.E.S. National Degree College, Gauribidanur on 30/06/2020.



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18. Dr Deepthee M.R., Assistant Professor, Department of Mathematics attended the following Programmes:
- i. Five weeks Online Course on Mathematics for Machine Learning: Linear Algebra from Imperial College London and offered through Coursera on 04/06/2020.
 - ii. Online International Webinar on How to Build a Positive Attitude and Positive State of Mind organised by BMSCE & Nagarjuna College of Engineering & Technology, Bengaluru on 05/06/2020.
 - iii. One day online Webinar on Methodologies of Virtual Learning during COVID-19 organised by The National College, Bagepalli on 10/06/2020.
 - iv. Five Weeks Online non-credit course Discrete Math and Analyzing Social Graphs from National Research University Higher School of Economics offered through Coursera on 12/06/2020.
 - v. Four weeks online non-credit course on Data Science Math Skills from Duke University offered through Coursera on 13/06/2020.
 - vi. Six Weeks online non-credit course on Advanced Linear Models for Data Science 1: Least Squares from Johns Hopkins University offered through Coursera on 15/06/2020.
 - vii. Six Weeks online non-credit course on Learning to Teach Online from The University of New South Wales, Sydney, offered through Coursera on 15/06/2020.
 - viii. One day Webinar on Applications of Mathematics in Science and Technology organised by Govt. Engineering College, Haveri on 15/06/2020.
19. The following faculty members of the Department were attended Online National Webinar on Fluid Mechanics and its Applications in Engineering Science organised by PES Institute of Technology and Management, Shivamogga from 24/06/2020 to 27/06/2020.

i.	Dr Gayathri M.S.
ii.	Mr Anthony Christy Melson
iii.	Dr Chandra Shekara G.
iv.	Ms Shazia P.A.

20. The following faculty members of the Department were attended Online Two days National Webinar on Fluid Mechanics organised by KGiSL Institute of Technology, Coimbatore from 29/06/2020 to 30/06/2020.

i.	Dr T. N. Vishalakshi
ii.	Mr Anthony Christy Melson
iii.	Ms Shazia P.A.
iv.	Dr Sujatha N.