

UGC - Human Resource Development Centre

Prof. S.J. Manjunath, B.E., M.B.A., Ph.D.

Director

No. : HRDC /

Ref. :

Manasagangothri
Mysuru - 570 006.
Karnataka, INDIA

Report of the 8th Refresher Course in Mathematical Science

The 8th Refresher Course in Mathematical Science was conducted by the UGC-Human Resource Development Centre, University of Mysore from 24-12-2019 to 06-01-2020. The theme of the Refresher Course was "Computational Mathematics and Applications". The Course Co-ordinator was Prof. Nagendraswamy H.S, Department of Studies in Computer Science, University of Mysore, Mysore. A total of 38 participants attended the refresher course.

The two week Refresher Course was started with the registration on 24.12.2019 at 10 A.M followed by instructions to Teacher-Participants. The lecture session commenced in the Afternoon of the first day with Prof. R. Rangarajan, Dept. of Studies in Mathematics, University of Mysore, Mysore delivering the lectures on "Matrix Space and Hilbert Space". On the second day, first session, Prof. K.S. Mallesh, Dept. of Studies in Physics, University of Mysore, Mysore delivering the lecture on "Calculus of Variations". The second session by Prof. K.R. Vasuki, Dept. of Studies in Mathematics, University of Mysore, Mysore, spoke on "Functions". The third and fourth session by Dr. B.S. Harish, Associate Professor, Dept. of Information Science & Engineering, JSS Science & Technology University, Mysore on "Learning Models and its Applications". On the third day, first session Prof. K.R. Vasuki, spoke on "Modular Equations" and second session by Prof. K.S. Mallesh, on "Matrix Algebra". The third and fourth session was engaged by Dr. Manjunatha Aradhya, Associate Professor & Head, Dept. of MCA, JSS Science & Technology University, Mysore on the topic "Recent Trends in Artificial Intelligence" and "Classifiers and Its Applications". On the fourth day, Prof. Ashok Rao, Former Head, Networks Project, IISC, Bangalore discussed on "Applications of Linear

Algebra" during morning session. Afternoon session was addressed by Dr. V. Sheshadri, Former Professor of Applied Mechanics, Indian Institute of Technology, Mysore on "Computational Mathematics and Its Applications to Fluid Dynamics" followed by Prof. Suresha, Dept. of Studies in Computer Science, University of Mysore, Mysore on "Image Search". On the fifth day, first and third session was addressed by Prof. H.L. Shashirekha, Dept. of Computer Science, Mangalore University, Mangalore on the topic "Natural Language Processing". While, in the second and fourth session Prof. K. Ramar, Dept. of Computer Science & Engineering, Muthayammal Engineering College, Rasipuram addressed on "The Secret of Problem Solving in Engineering Using Mathematics". On the sixth day, Prof. D.S. Guru, Dept. of Studies in Computer Science, University of Mysore, Mysore discussed on "Data Science : Current Paradigm of Science" and "Small Eigen Value in Preserving Geometry of Points" during morning session. Afternoon sessions are engaged by Dr. Nagasundara K.B, Dept. of Computer Science & Engineering, JSS Academy of Technical Education, Bangalore on "Features Representation for Computer Vision".

On the second week, first day, morning sessions are engaged by Prof. B.H. Shekar, Dept. of Computer Science, Mangalore University, Mangalore who delivered the lecture on "Image Descriptors and Classifiers". The Third session was addressed by Dr. Hanumanthappa J, Dept. of Computer Science, University of Mysore, Mysore on "Concept of Networking" followed by Dr. R.K. Bharathi, Associate Professor & Head, Dept. of MCA, JSS Science and Technology University, Mysore served as Moderator for "Participants Seminar-1". On the second day, first and second session, Prof. S Ravi, Dept. of Studies in Statistics, University of Mysore, Mysore delivered lecture on "On Monte Carlo Methods". In the afternoon, Prof. Soner Nandappa D, and Prof. R. Rangarajan of Dept. of Studies in Mathematics, University of Mysore, Mysore acted as Moderators for "Participants Seminar-2" and "Participants Seminar-3" respectively. On the third day, first session, Prof. T. Nagabhushan, Principal, JSS Science & Technology University, Mysore spoke on "Concepts of Neural Networks", in the second and third session Prof. S.S. Patil, Head, Dept. of Agriculture Statistics,

Applied Maths and Computer Science, University of Agricultural Sciences, Bangalore discussed on "Data Mining and Its Perspectives" and "Big data and Digital Agriculture". In the fourth session Dr. H.R. Chennamma, Associate Professor and Head, Dept. of MCA, JSS Science & Technology University, Mysore acted as Evaluator for "Participants Seminar-4". Prof. P.S. Hiremath, Dept. of Computer Applications, KLE Technological University, Hubballi discussed on "Markov Chains and Applications" in the morning sessions of Fourth day. In the afternoon, Dr. Veena Mathad, Dept. of Studies in Mathematics, University of Mysore, Mysore and Dr. Vidya Raju, Dept. of Statistics, Yuvaraja's College, University of Mysore, Mysore served as Moderators' for "Participants Seminar-5" and "Participants Seminar-6". On the fifth day, Dr. M.R. Arulalan, Visiting Professor, Indian Institute of Science, Bangalore engaged the morning sessions on "Number Theory and Its Applications to Network Security". While, Dr. C.P. Ramasesh, Former Librarian, University Library, University of Mysore, Mysore spoke on "Information Sources for Teaching and Research in Mathematical Science" in the third session. On the last day, Prof. Lalitha Rangarajan, Former Professor of Computer Science, University of Mysore, Mysore addressed the participants on "Role of Mathematics and Probability in Computer Science" during morning session. In the afternoon sessions, "Multiple Choice Objective Test was conducted and it was followed by Feedback Session", "Distribution of TA/DA and Reading Materials" to the Teacher Participants.

In support to this report, the following Documents are attached.

1. Resource Persons' List
2. Teacher Participants' List
3. Time Table
4. Photo's

(Prof. S.J. Manjunath)

Director

DIRECTOR
UGC-Human Resource Development Centre
University of Mysore
Manasagangotri, Mysuru-570006

Recommendations of Committee for allotment of programmes to UGC-HRDCs for the year 2019-2020

Minutes of the meeting of Expert Committee to scrutinize and allot the programme for 2019-2020 in respect of 66 Human Resource Development Centres (HRDCs) on 18.04.2019

Venue: UGC Main office
Date and time: 18.04.2019 at 10.30 A.M.

Members

Prof. A.C. Pandey Director Inter-University Accelerator Centre (IUAC) New Delhi	Chairperson
Prof. S.K. Singh Vice-Chancellor L.N. Mithila University, Darbhanga	Member
Prof. IndraVardhanTrivedi Former Vice Chancellor, MohanlalSukhadia University Udaipur	Member
Prof. P. Duraisamy Vice-Chancellor, University of Madras, Chennai	Member
Dr. (Mrs.) Arachna Thakur Joint Secretary, UGC Bureau Head, HRDC	

Prof. S.K. Singh could not make it convenient to attend. Prof. P. Duraisamy was contacted over phone but participated in discussions for allotment of Ops and RCs, the minutes shall be signed by him electronically.

The committee scrutinized the proposals of programmes received from 66 HRDCs to be conducted during the year 2019-2020

Resolved to recommend the programmes to be conducted by the HRDCs as enclosed in the list.

Prof. A.C. Pandey Prof. S.K. Singh Prof. Indra VardhanTrivedi Prof. P. Duraisamy Dr. (Mrs.)Arachana Thakur

Recommendations of Committee for allotment of programmes to UGC-HRDCs for the year 2019-2020

S.No	Name of HRDCs	Programmes proposed by HRDCs	Programmes recommended by the Committee
14	University of Mysore	<p><u>Orientation Programmes (3 – Weeks)</u></p> <ol style="list-style-type: none"> 121st Orientation Programme 122nd Orientation Programme 123rd Orientation Programme 124th Orientation Programme 125th Orientation Programme 126th Orientation Programme <p><u>B.(i). Refresher Courses (2-Weeks)</u></p> <ol style="list-style-type: none"> Commerce Economics English History Kannada Library and Information Science Physical Education Political Science <p><u>B.(ii). Inter Disciplinary Refresher Courses (2- Weeks)</u></p> <ol style="list-style-type: none"> Mathematical Science Human Rights Material Science Life Science Indian Literature Teacher Educator <p><u>C.Short Term Courses</u></p> <ol style="list-style-type: none"> 1 – Week STC on ‘Gender Sensitization’ 1-Week STC on ‘Disaster Management’ 1-Day Principal’s Meet 2-Day Workshop for Academic Administrator 2-Day Workshop on MOOCs, Online Courses and OER 3-Day Workshop for Administrative Staff 	<p><u>A.Orientation Courses-04</u></p> <p><u>B(i)- Refresher Courses</u></p> <ul style="list-style-type: none"> Commerce Economics English History Kannada Library and Information Science Physical Education Political Science <p><u>B(ii)- Inter Disciplinary Refresher Courses</u></p> <ul style="list-style-type: none"> Mathematical Science Human Rights Material Science Life Science Indian Literature Teacher Educator <p><u>C - Short Term Courses</u></p> <ul style="list-style-type: none"> 1 – Week STC on ‘Gender Sensitization’ 1-Week STC on ‘Disaster Management’ 1-Day Principal’s Meet 2-Day Workshop for Academic Administrator 2-Day Workshop on MOOCs, Online Courses and OER 3-Day Workshop for Administrative Staff

**Address List of Resource Persons of the 8th Refresher Course in Mathematical Science
From 24.12.2019 to 06.01.2020**

S.N	Name & Address of the Resource Persons	Contact No. & E-mail
1.	Prof. Midatala Rani Director, UGC-Human Resource Development Centre, University of Mysore, Manasagangotri, Mysore-570006.	Off : 0821-2419319 Res : Cell : 94801 69381 Email : mallirani@yahoo.co.in
2.	Prof. R. Rangarajan Dept. of Studies in Mathematics, University of Mysore, Manasagangotri, Mysuru-570006.	Off : 0821-2419828 Res : Cell : 96111 09079 Email : rajra63@gmail.com
3.	Dr. B.S. Harish Associate Professor, Dept. of Information Science & Engineering, J.S.S. Science & Technology University (formerly SJCE), Mysuru-570006.	Off : Res : Cell : 98867 79078 Email : bsharish@sjce.ac.in
4.	Prof. K.R. Vasuki Dept. of Studies in Mathematics, University of Mysore, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 99164 50314 Email : vasuki_kr@hotmail.com
5.	Prof. K.S. Malleesh Dept. of Studies in Physics, University of Mysore, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 99005 98270 Email : ksmalleesh@gmail.com
6.	Dr. Manjunath Aradhya Associate Professor and Head, Dept. of MCA, JSS Science and Technology University, SJCE, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 98868 96108 Email : aradhya@sjce.ac.in
7.	Prof. Ashok Rao Former Head, Networks Project, IISC, Bengaluru. # 165, 11 th Main, Saraswathipuram, Mysore-570009.	Off : Res : Cell : 89712 10202 Email : ashokrao.mys@gmail.com
8.	Dr. V. Seshadri Former Prof. of Applied Mechanics, Indian Institute of Technology. # 11, Block No. 5, BEML Layout, 2 nd Stage, Srirampura, Mysuru-570023.	Off : Res : Cell : 98109 84652 / 94821 84652 Email : dr_vseshadri@hotmail.com

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S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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9.	Prof. Suresha Dept. of Studies in Computer Science, University of Mysore, Manasagangotri, Mysore-570006.	Off : 0821-2419554 Res : Cell : 94498 10894 Email : sureshabn@yahoo.co.in
10.	Dr. H.L. Shashirekha Dept. of Computer Science, Mangalore University, Mangalagangotri, Managalore.	Off : Res : Cell : 94805 73679 Email : hlsrekha@gmail.com
11.	Prof. K. Ramar Dept. of Computer Science & Engineering, Muthayammal Engineering College, Rasipuram-637408 Namakkal Dist. Tamil Nadu.	Off : Res : Cell : 94439 80877 Email : dean.cse@mec.edu.in
12.	Prof. D.S. Guru Professor, DOS in Computer Science, University of Mysore, Manasagangotri, Mysore-570006.	Off : 0821-2419557 Res : Cell : 94484 33964 Email : dsguruji@yahoo.com
13.	Prof. Nagasundara K.B. Dept. of Computer Science & Engineering, J.S.S. Academy of Technical Education, Bengaluru.	Off : Res : Cell : 94482 45547 Email : nagasundarakb@gmail.com
14.	Dr. B.H. Shekar Dept. of Computer Science, Mangalore University, Mangalagangotri, Managalore.	Off : Res : Cell : 94801 46921 / 70224 94921 Email : bhshekar@gmail.com
15.	Dr. Hanumanthappa J. Dept. of Computer Science, University of Mysore, Manasagangotri, Mysuru-570006.	Off : 0821-2419552 Res : Cell : 99648 30880 Email : hamunsbe@gmail.com
16.	Dr. R.K. Bharathi Associate Professor and Head, Dept. of MCA, JSS Science and Technology University, SJCE, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 94811 50296 Email : rkbharathi@sjce.ac.in

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S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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17.	Prof. S. Ravi Dept. of Studies in Statistics, University of Mysore, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 87928 44593 Email : stat.ravi@gmail.com
18.	Prof. D. Soner Nandappa Dept. of Studies in Mathematics, University of Mysore, Manasagangotri, Mysore-570006.	Off : 0821-2419829 Res : Cell : 99457 79695 Email : ndsoner@yahoo.co.in
19.	Prof. T. Nagabhushan Principal, JSS Science and Technology University, SJCE, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 91486 49444 Email : tnn@sjce@ac.in
20.	Prof. S.S. Patil Head, Dept. Ag. Statistics, Applied Maths and Computer Science, University of Agricultural Sciences, GKVK, Bengaluru-560065.	Off : Res : Cell : 94486 15288 Email : spatilsuasb@gmail.com
21.	Dr. H.R. Chennamma Associate Professor and Head, Dept. of MCA, JSS Science and Technology University, SJCE, Manasagangotri, Mysuru-570006.	Off : Res : Cell : 94800 57455 Email : hrchennamma@sjce.ac.in
22.	Dr. P.S. Hiremath Dept. of Computer Applications, KLE Technological Univeristy, BVCET, Hubballi-580031.	Off : Res : Cell : 94802 26698 Email : hiremathps53@yahoo.com
23.	Dr. Veena Method Dept. of Studies in Mathematics, University of Mysore, Manasagangotri, Mysore.	Off : Res : Cell : 97417 70486 Email : veena_method@rediffmail.com
24.	Dr. Vidyaraju Dept. of Statistics, Yuvaraja's College, University of Mysore, Mysuru-570005.	Off : Res : Cell : 94489 77945 Email : drvidyaraju02@gmail.com

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S.N	Name & Address of the Resource Persons	Contact No. & E-mail
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25.	Dr. M.R. Arulalan Visiting Professor, Indian Institute of Science, C.V. Raman Road, Bengaluru-560012.	Off : Res : Cell : 96111 10160 Email : perarulalan@gmail.com
26.	Dr. C.P. Ramasesh Former Librarian, University Library, University of Mysore, Mysore. # 1212, Ashoka Circle, Kantharaj Urs Road, Chamarajapura, Mysuru.	Off : Res : Cell : 9731343004 Email : cpramasesh@gmail.com
27.	Dr. Lalitha Rangarajan Former Professor of Computer Science,, University of Mysore, Manasagangothri, Mysore.	Off : Res : Cell : 94827 17360 Email : lali85arun@yahoo.co.in










Course Co-ordinator		
28.	Prof. H.S. Nagendraswamy Course Coordinator, Dept. of Studies in Computer Science, University of Mysore, Manasagangothri, Mysuru-570006.	Off : Res : Cell : 94804 76830 Email : hsnagendraswamy@gmail.com

**Address List of Teacher Participants of the 8th Refresher Course in Mathematical Science
(From 24.12.2019 to 06.01.2020)**

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
1.	Asfiya Ferdose Asst. Prof. of Mathematics, Govt. First Grade College, Srirangapatna-571438. Mandya Dist.	Off : 08236297230 Res : Cell : 94494 08899 Email : asfiyaferdose@rediffmail.com	
2.	Dr. G. Ashwini Asst. Prof. of Mathematics, Govt. College for Women (Autonomous), Mandya-571401.	Off : Res : Cell : 94496 28255 Email : lakkistar@gmail.com	
3.	Basavanna C. Asst. Prof. of Computer Science, Govt. First Grade College, Channarayapatna-573116. Hassan Dist.	Off : 08176-252109 Res : Cell : 91644 47018 Email : basavanna.ck@gmail.com	
4.	Chandrashekara A.C. Asst. Prof. of Mathematics, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 0821-2424335 Res : Cell : 91645 00872 Email : acshekr18@gmail.com	
5.	Dhananjaiiah D.S. Asst. Prof. of Mathematics, Govt. College for Women (Autonomous), Mandya-571401.	Off : 08230262322 Res : Cell : 87225 94966 Email : dhanu2614@gmail.com	
6.	B. Ganesh Nayak Asst. Prof. of Mathematics, S.D.M. College (Autonomous), Ujire-574240. Dakshina Kannada Dist.	Off : 08256-236101 Res : Cell : 94801 46495 Email : bganeshnayak@gmail.com	
7.	Geetha C.D. Asst. Prof. of Computer Science, Govt. First Grade College, Pandavapura-571434 Mandya Dist.	Off : 08236-255413 Res : Cell : 81471 53209 Email : geethacd.714@gmail.com	
8.	Dr. Jagadeesha R.D. Asst. Prof. of Mathematics, Govt. Science College, Hassan-573201.	Off : 08172268248 Res : 99459 99985 Cell : 98441 05778 Email : jagdeesh25@gmail.com	
9.	Jyothi M.J. Asst. Prof. of Mathematics, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 0821-2424335 Res : Cell : 97415 25371 Email : jyothimj49@gmail.com	









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-2-

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
10.	Dr. Kouser Asst. Prof. of Computer Science, Govt. First Grade College, Gundlupet-571111. Chamarajanagar Dist.	Off : 08229222099 Res : 98444 67163 Cell : 79751 77122 Email : kauserd@gmail.com	
11.	Latharani H.M. Asst. Prof. of Mathematics, Govt. First Grade College, K.R. Nagara-571602. Mysuru Dist.	Off : 08223262334 Res : Cell : 99641 07367 Email : latha.lamp@gmail.com	
12.	Dr. Mahesh K.B. Asst. Prof. of Mathematics, Dr. P. Dayananda Pai – P.Sathisha Pai Govt. First Grade College, Car Street, Mangalore-575001.	Off : 08242494109 Res : 08244257985 Cell : 98457 02346 Email : mathsmahesh@gmail.com	
13.	Mamatha J. Asst. Prof. of Mathematics, Govt. First Grade College for Women, Vijayanagara, Mysuru-570032.	Off : 08212303511 Res : Cell : 97400 07987 Email : mamatha_j910@yahoo.co.in	
14.	Nanjunda Swamy M. Asst. Prof. of Mathematics, Sri Mahadeshwara Govt. First Grade College, Kollegal-571440. Chamarajanagar Dist.	Off : 08224252066 Res : 94497 03146 Cell : 97423 45958 Email : mnswamy1974@gmail.com	
15.	Nongmaithem Shila Devi Asst. Prof. of Statistics, S. Kula Womens College, Nambol-795134. Manipur.	Off : Res : Cell : 76288 22211 Email : shilanongmai@gmail.com	
16.	Oinam Indira Devi Asst. Prof. of Statistics, S. Kula Womens College, Nambol-795134. Manipur.	Off : Res : Cell : 90092 09857 Email : indiraoainam1970@gmail.com	
17.	Pavithra G.B. Asst. Prof. of Mathematics, Govt. First Grade College, Pandavapura-571434 Mandya Dist.	Off : 08236-255413 Res : Cell : 91643 05595 Email : pavithragb911@gmail.com	
18.	Dr. Phurailatpam Kamala Devi Asst. Prof. of Statistics, D.M. College of Science, Imphal-795001. Manipur.	Off : 97744 21640 Res : Cell : 87877 80424 Email : kagurumayum@gmail.com	










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-3-

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
19.	Prakasha P. Asst. Prof. of Mathematics, Govt. College for Women, Maddur-571428. Mandya Dist.	Off : Res : 8232236867 Cell : 97401 21927 Email : profprakasha@gmail.com	
20.	Prakasha Raje Urs M. Asst. Prof. of Computer Science, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 0821-2424335 Res : Cell : 99640 29874 Email : purs73@gmail.com	
21.	Ramesha M.S. Asst. Prof. of Mathematics, Govt. College for Women (Autonomous), Mandya-571401.	Off : Res : Cell : 83101 73857 Email : profmsr1978@gmail.com	
22.	Rashmi B.S. Asst. Prof. of Information Technology, Dept. of Information Technology, Karnataka State Open University, Mukthagangotri, Mysuru-570006.	Off : 0821-2512471 Res : Cell : 98809 83081 Email : rashbs@yahoo.com	
23.	Dr. Ravisha M. Asst. Prof. of Mathematics, Dr. G. Shankar Govt. Women's First Grade College and PG Study Centre, Ajjarkadu, Udupi-576101.	Off : 08202527955 Res : Cell : 99803 45800 Email : ravishmamatha@gmail.com	
24.	Renuka Devi K. Asst. Prof. of Mathematics, Govt. First Grade College, Kuvempunagara, Mysuru-570023.	Off : 0821-2567906 Res : Cell : 98864 64124 Email : renukk84@gmail.com	
25.	Roopa S. Asst. Prof. of Mathematics, Sri D. Devaraja Urs Govt. First Grade College, Hunsur-570015. Mysuru Dist.	Off : 08222-252069 Res : Cell : 94486 17973 Email : roopa.s.kumar@gmail.com	
26.	Santhosh Kumar B.N. Asst. Prof. of Computer Science, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 08212424335 Res : Cell : 95381 44942 Email : santhosh_bn@yahoo.com	
27.	Saritha N. Asst. Prof. of Computer Science, Govt. First Grade College, Nanjangudu-571301. Mysuru Dist.	Off : 08221223067 Res : Cell : 93434 56233 Email : sarithaharsha08@gmail.com	

**Address List of Teacher Participants of the 8th Refresher Course in Mathematical Science
(From 24.12.2019 to 06.01.2020)**

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Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
28.	Dr. B.K. Shivanna Asst. Prof. of Statistics, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 0821-2424335 Res : Cell : 94485 61104 Email : shivustats@gmail.com	
29.	Siddaraju Asst. Prof. of Mathematics, Govt. First Grade College, Chamarajanagara-571313.	Off : Res : Cell : 98801 75661 Email : siddupalya73@gmail.com	
30.	Dr. K. Siddaraju Asst. Prof. of Computer Science, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 0821-2420503 Res : Cell : 90368 25431 Email : dr.ksiddaraju0103@gmail.com	
31.	Dr. Siddaramu R. Asst. Prof. of Mathematics, Govt. First Grade College, Pavagada-561202. Tumkur Dist.	Off : Res : Cell : 95387 75477 Email : sidramu@rediffmail.com	
32.	Dr. Soibam Loidang Devi Asst. Prof. of Statistics, D.M. College of Science, Imphal-795001. Manipur.	Off : Res : Cell : 94360 77783 Email : loidang0231@gmail.com	
33.	Somashekar C. Asst. Prof. of Mathematics, Sir M.V. Govt. Science College, Bommanakatte, Bhadravathi-577301. Shimoga Dist.	Off : 08282-270296 Res : Cell : 97415 82839 Email : somsringeri@gmail.com	
34.	Dr. Sridhar Asst. Prof. of Mathematics, Govt. First Grade College, Gokak-591307. Belgaum Dist.	Off : 08332-224171 Res : Cell : 78295 83943 Email : kulkarnidrsridhar11@gmail.com	
35.	C.K. Sripavithra Asst. Prof. of Computer Science, Maharani's Science College for Women, JLB Road, Mysuru-570005.	Off : 08212424335 Res : Cell : 94809 95184 Email : pavithra_dsp@yahoo.com	
36.	Thenarasi V. Asst. Prof. of Computer Science, Govt. First Grade College, Siddharthanagar, Mysuru-570011.	Off : 0821-2478899 Res : Cell : 94818 33917 Email : thenu.sunitha@gmail.com	

**Address List of Teacher Participants of the 8th Refresher Course in Mathematical Science
(From 24.12.2019 to 06.01.2020)**

-5-

Sl. No.	Name & Address of the Participant	Contact No. & E-mail	Photo
37.	Thukarama V. Asst. Prof. of Mathematics, Govt. First Grade College, Kuvempunagara, Mysuru-570023.	Off : Res : Cell : 78927 66532 Email : thukarama.v@gmail.com	
38.	Vaman Kamath Asst. Prof. of Mathematics, Govinda Dasa College, Surathkal-575014. Dakshina Kannada Dist.	Off : 0824-2407287 Res : Cell : 94498 20700 Email : kamathvamana@yahoo.co.in	

8th REFRESHER COURSE IN MATHEMATICAL SCIENCE FROM 24.12.2019 TO 06.01.2020

SEMINAR SCHEDULE

Sl. No.	Name of the Participants	Subject	Title of the Seminar Topic	Date & Time
1.	Basavanna C.	Computer Science	Pigenhole Principle	31.12.2019 03.45 to 05.15
2.	Geetha C.D.		CPU Scheduling Algorithms	
3.	Dr. Kouser		Computational Bioinformatics	
4.	Prakasha Raje Urs M.		E-Governance and its Applications	
5.	Santhosh Kumar B.N.		Introduction to System Simulation and Modelling	
6.	Rashmi B.S.	Inf. Tech.	Digital Image Processing Using Fuzzy Logic	

1.	Asfiya Ferdose	Mathematics	Applications of Matrices	01.01.2020 02.00 To 03.30
2.	Dr. Ashwini G.		Problem on Unsteady Laminar Boundary Layer	
3.	Chandrashekara A.C.		Applied Mathematics	
4.	Dhananjaiiah D.S.		The Set Q does not have the lub property	
5.	Ganesh Nayak B.		Continued Fraction	
6.	Dr. Jagadeesha R.D.		Computational Graph Theory and Its Applications	
7.	Jyothi M.J.		Travelling Salesman Problem	

1.	Latharani H.M.	Mathematics	Application of Mathematics in Daily Life	01.01.2020 03.45 To 05.15
2.	Dr. Mahesh K.B.		Common Mathematics Errors	
3.	Mamatha J.		Laplace and Fourier Transform – Properties – Applications	
4.	Nanjundaswamy M.		Linear Differential Equations	
5.	Pavithra G.B.		Conformal Mapping in Complex Plane	
6.	Prakasha P.		Numerical Solutions of System of Linear Equations	
7.	Ramesha M.S.		Numerical Solution of Ordinary Differential Equation by Using Eutern Method	

1.	Saritha N.	Computer Science	Application of Stacks in Evaluation of Expressions	02.01.2020 03.45 To 05.15
2.	Dr. Siddaraju K.		An Introduction to Cyber Crimes and Cyber Laws	
3.	Sripavithra C.K.		An Introduction to Dark Web	
4.	Thenarasi V.		E-Waste Management	
5.	Dr. Sridhar	Mathematics	Formation of Partial Differential Equation	
6.	Thukarama V.		Graph Theory and Its Application	

1.	Dr. Ravisha M.	Mathematics	Shooting Method : Solving Boundary Value Problems	03.01.2020 02.00 To 03.30
2.	Renuka Devi K.		Geometric Function Theory and Its Applications	
3.	Roopa S.		Partial Ordered Sets	
4.	Siddaraju		Application of Linear Algebra	
5.	Dr. Siddaramu R.		Algebraic Number Theory	
6.	Somashekar C.		Application of Matrices in Cryptography	

1.	Nongmaithem Shila Devi	Statistics	Fertility Features	03.01.2020 03.45 To 05.15
2.	Oinam Indira Devi		Interminants of Birth Order	
3.	Dr. Phurailatpam Kamala Devi		Fertility Indicators	
4.	Dr. Shivanna B.K.		Measures of Central Tendency / Variation	
5.	Dr. Soibam Loidang Devi		Fertilizer Consumption Forecast Model	
6.	Vaman Kamath	Mathematics	Congruence Relation	

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8th REFRESHER COURSE IN MATHEMATICAL SCIENCE – TIME TABLE FOR 1st WEEK (24.12.2019 TO 30.12.2019)
THRUST AREA : “COMPUTATIONAL MATHEMATICS AND APPLICATIONS”

Date and Day	10.00 AM to 11.30 AM	11.45 AM to 1.15 PM	1.15 to 2.00	2.00 PM to 3.30 PM	3.45 PM to 5.15 PM	
24.12.2019 Tuesday	Registration and Instructions to Teacher-Participants		U N C H B R E A K	Matrix Space and Hilbert Space Prof. R. Rangarajan		
25.12.2019 Wednesday	Calculus of Variations Prof. K.S. Mallesh	Functions Prof. K.R. Vasuki		Learning Models and Its Applications Prof. B.S. Harish		
26.12.2019 Thursday	Modular Equations Prof. K.R. Vasuki	Matrix Algebra Prof. K.S. Mallesh		Recent Trends in Artificial Intelligence Dr. Manjunath Aradhya	Classifiers and Its Applications Dr. Manjunath Aradhya	
27.12.2019 Friday	Applications of Linear Algebra Prof. Ashok Rao			Computational Mathematics and Its Applications to Fluid Dynamics Dr. V. Seshadri	Image Search Prof. Suresha	
28.12.2019 Saturday	Natural Language Processing – I Prof. H.L. Shashirekha	The Secret of Problem Solving in Engineering Using Mathematics – I Prof. K. Ramar		Natural Language Processing – II Prof. H.L. Shashirekha	The Secret of Problem Solving in Engineering Using Mathematics – II Prof. K. Ramar	
29.12.2019 Sunday	HOLIDAY			HOLIDAY		
30.12.2019 Monday	Data Science : Current Paradigm of Science Prof. D.S. Guru	Small Eigen Value in Preserving Geometry of Points Prof. D.S. Guru		Features Representation for Computer Vision Dr. Nagasundara K.B.		

Tea Break : 11.30 AM to 11.45 AM and 3.30 PM to 3.45 PM

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8th REFRESHER COURSE IN MATHEMATICAL SCIENCE – TIME TABLE FOR 2nd WEEK (31.12.2019 TO 06.01.2020)
THRUST AREA : “COMPUTATIONAL MATHEMATICS AND APPLICATIONS”

Date and Day	10.00 AM to 11.30 AM	11.45 AM to 1.15 PM	1.15 to 2.00	2.00 PM to 3.30 PM	3.45 PM to 5.15 PM	
31.12.2019 Tuesday	Image Descriptors and Classifiers Prof. B.H. Shekar		U N C H B R E A K	Concept of Networking Dr. Hanumanthappa J.	Participants Seminar – 1 Dr. R.K. Bharathi	
01.01.2020 Wednesday	On Monte Carlo Methods Prof. S. Ravi			Participants Seminar – 2 Prof. Soner Nandappa D.	Participants Seminar – 3 Prof. R. Rangarajan	
02.01.2020 Thursday	Concepts of Neural Networks Prof. T. Nagabhushan	Data Mining and Its Perspectives Prof. S.S. Patil		Big Data and Digital Agriculture Prof. S.S. Patil	Participants Seminar – 4 Dr. H.R. Chennamma	
03.01.2020 Friday	Markov Chains and Applications Prof. P.S. Hiremath			Participants Seminar – 5 Dr. Veena Mathad	Participants Seminar – 6 Dr. Vidya Raju	
04.01.2020 Saturday	Number Theory and Its Applications to Network Security Dr. M.R. Arulalan			Information Sources for Teaching and Research in Mathematical Science Dr. C.P. Ramasesh	Library Work	
05.01.2020 Sunday	HOLIDAY			HOLIDAY		
06.01.2020 Monday	Role of Mathematics and Probability in Computer Science Prof. Lalitha Rangarajan			Multiple Choice Objective Test & Feedback Session	Distribution of TA/DA and Reading Materials	

Tea Break : 11.30 AM to 11.45 AM and 3.30 PM to 3.45 PM

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8th Refresher Course in Mathematical Science
(24.12.2019 to 06.01.2020)