



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

**S225**

**Report**

**Academic Year 2020-21**

**Name of the Event: Webinar Series on Pure and Applied Mathematics(WSPAM 2K20)**

**Date: 02-12-2020 to 15-12-2020**

**Venue : Google meet**

**Organized by: Department of Mathematics, Vimala College(Autonomous),**

**Collaboration (if any): DBT Star Scheme**

**No. of participants:168**

**Report**

<b>Date</b>	<b>Name of Resource Person</b>	<b>Topic</b>	<b>Platform Google meet Meet id</b>
02. 12. 2020	Prof. Parameswaran Sankaran, Professor, Chennai Mathematical Institute, Chennai	Transcendental Numbers	<a href="https://meet.google.com/wna-guae-qbo">https://meet.google.com/wna-guae-qbo</a>
03. 12. 2020	Dr. Sudarsan Iyengar, Associate Professor, Dept. of Computer Science & Engineering Indian Institute of Technology Ropar Dr. Yayati Gupta, Assistant Professor, Dept. of Computer Science & Engineering IIT Dharwad	Data Crunching- Dustbin data to our rescue	<a href="https://meet.google.com/bke-oixa-efx">https://meet.google.com/bke-oixa-efx</a>
04. 12. 2020	Prof. M. S. Sunitha, Professor, Dept. of Mathematics NIT Calicut	Introduction to fuzzy logic	<a href="https://meet.google.com/pai-smrc-qhd">https://meet.google.com/pai-smrc-qhd</a>

***Assessment Period (2016 - 2021)***



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

07. 12. 2020	Dr. Sunil Mathew, Assistant Professor, Dept. of Mathematics NIT Calicut	Introduction to fuzzy graphs and its applications in cancer study	<a href="https://meet.google.com/tor-ikmo-ysf">https://meet.google.com/tor-ikmo-ysf</a>
11. 12. 2020	Dr. Hari Varma, Assistant Professor, Department of Biosciences and Bioengineering Indian Institute of Technology Bombay	Role of Mathematics in medical imaging	<a href="https://meet.google.com/och-jxwh-erf">https://meet.google.com/och-jxwh-erf</a>
15. 12. 2020	Dr. Narayanan Assistant Professor, Dept. of Mathematics Indian Institute of Technology Madras	Graph Theory	<a href="https://meet.google.com/knh-zxga-ihg">https://meet.google.com/knh-zxga-ihg</a>

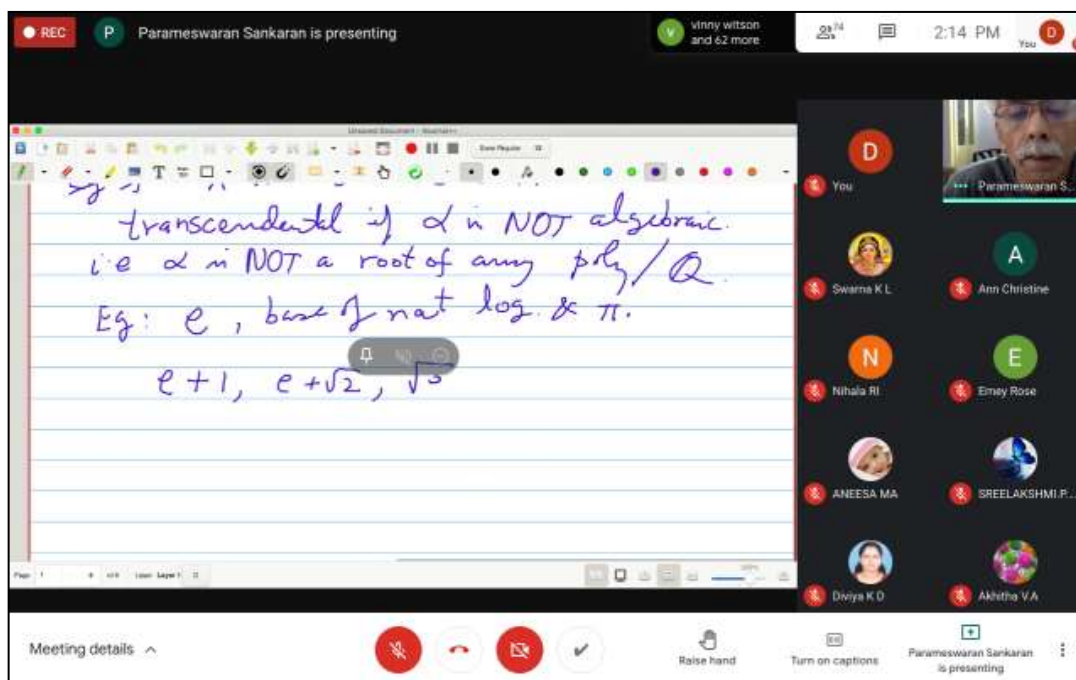
### Day 1: 02.12.2020

The webinar series began with the highly inspiring talk by Prof. Parameswaran Sankaran of Chennai Mathematical Institute. He gave a deep insight on Transcendental numbers and its properties and characteristics. The participants actively got involved in discussions and gave a feedback that the session was extremely useful.





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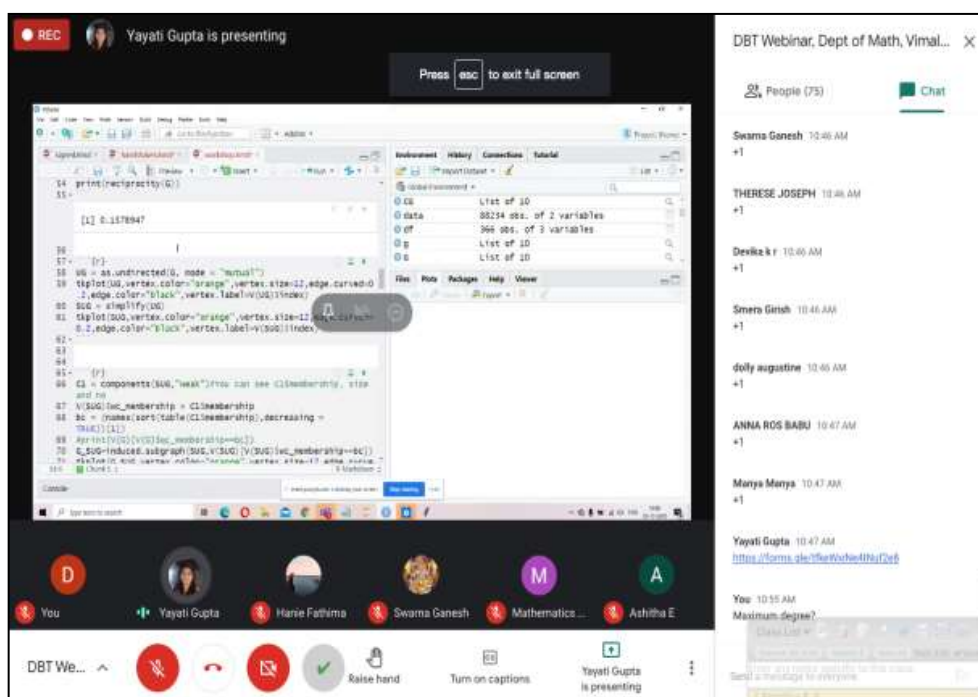


### Day 2: 03.12.2020

The second day was more like a workshop. The session was handled by Dr. Sudarshan and Dr. Yayati. After the introductory session by Dr. Sudarsan, on the topic of Data Crunching and Dustbin data to be used for data analysis and to get a clear idea about the source of study, Dr. Yayati demonstrated the technique of creating and analyzing a social network based on the data provided by the participants. The session helped the participants to do data creation and analysis.



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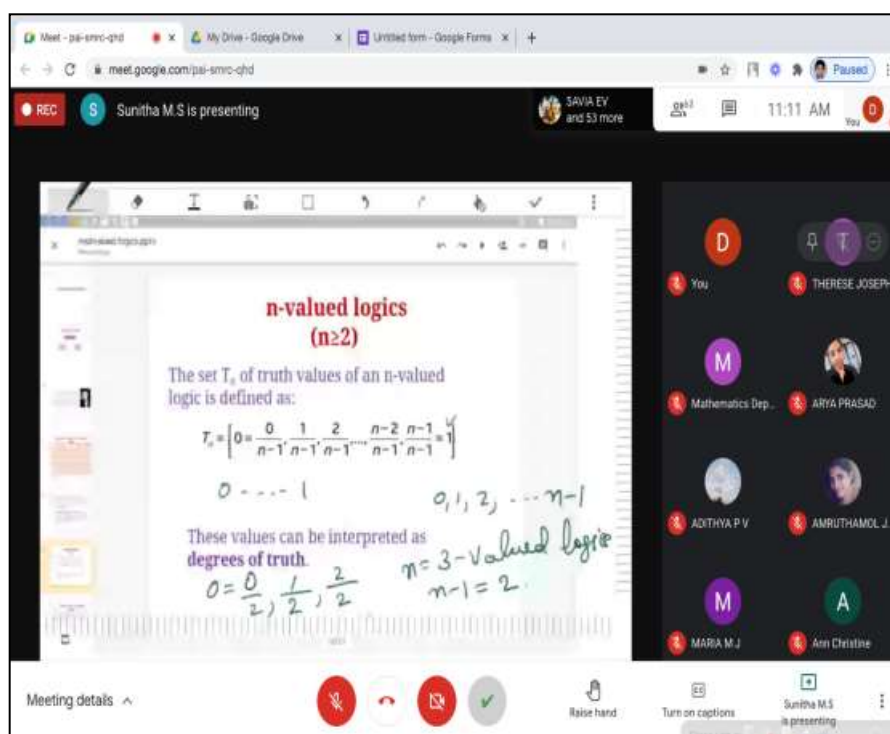


### Day 3: 04.12.2020

Prof. Sunitha of National Institute of Technology Calicut provided a detailed idea of the concept of fuzzy logic and discussed many of its properties, variants and applications. She, through this inspirational and highly motivating session provided the students a new world of application of mathematics.



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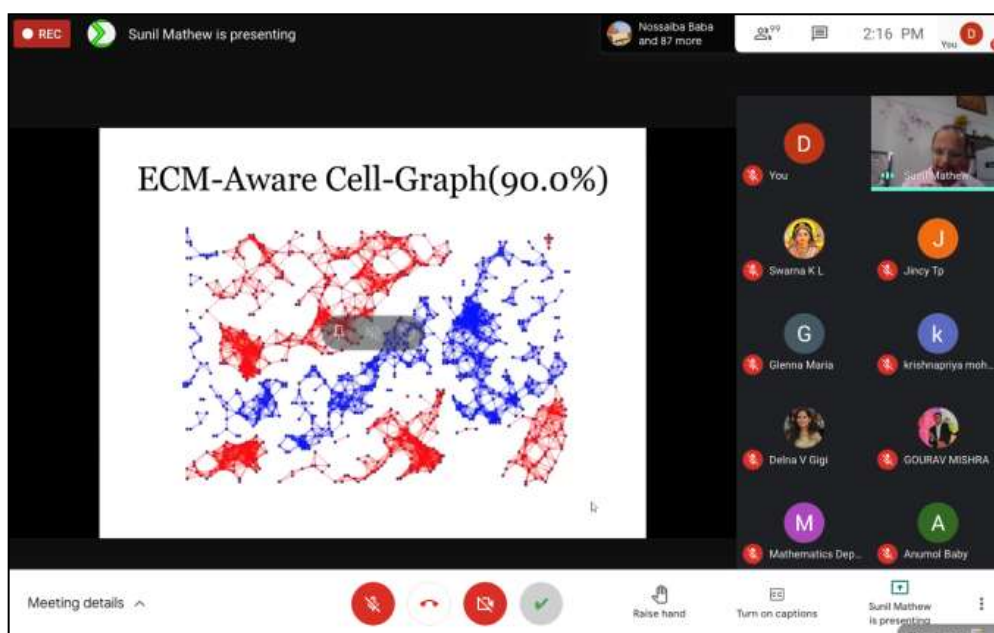
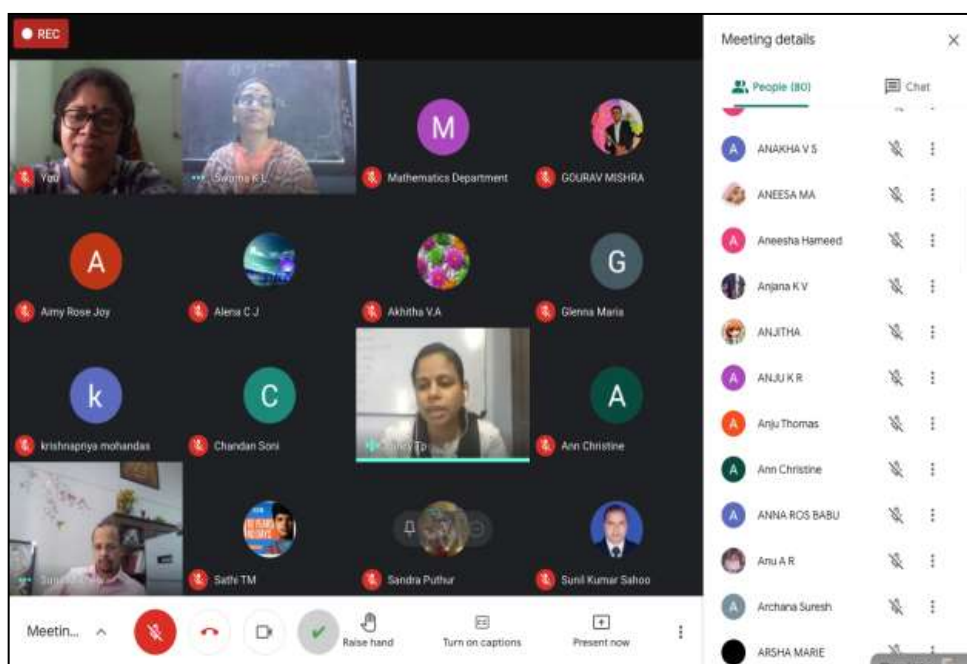
### Day 4: 07.12.2020

The session on the fourth day of the webinar series was handled by Dr. Sunil Mathew, National Institute of Technology, Calicut. He gave a wonderful demonstration on how Fuzzy graph theoretic parameters are used in detecting Cancer cells. The session was highly informative and brainstorming.





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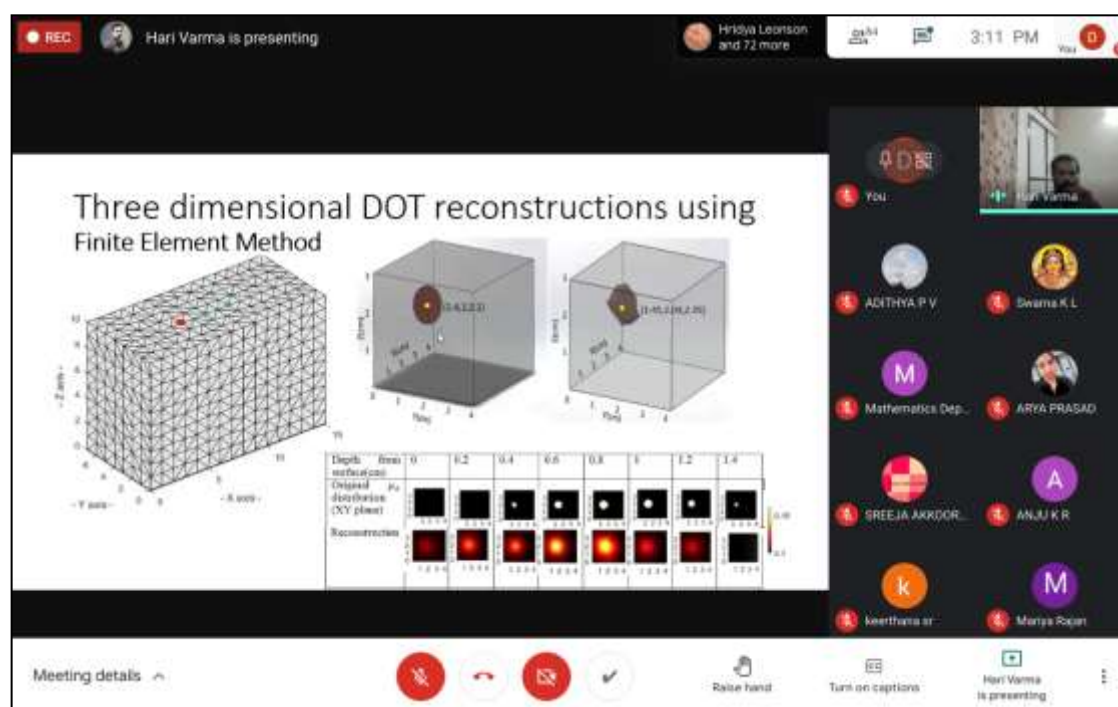


**Day 5: 11.12.2020**

Dr. HariVarma, Assistant Professor in the Department of Biosciences and Bio Engineering, Indian Institute of Technology Bombay delivered a highly motivating talk on applications of mathematics in biological sciences. He could explain in detail, the different applications of PDE, Fourier and other transforms in the study of radiations. The talk was really thought provoking and highly appreciated by all participants.



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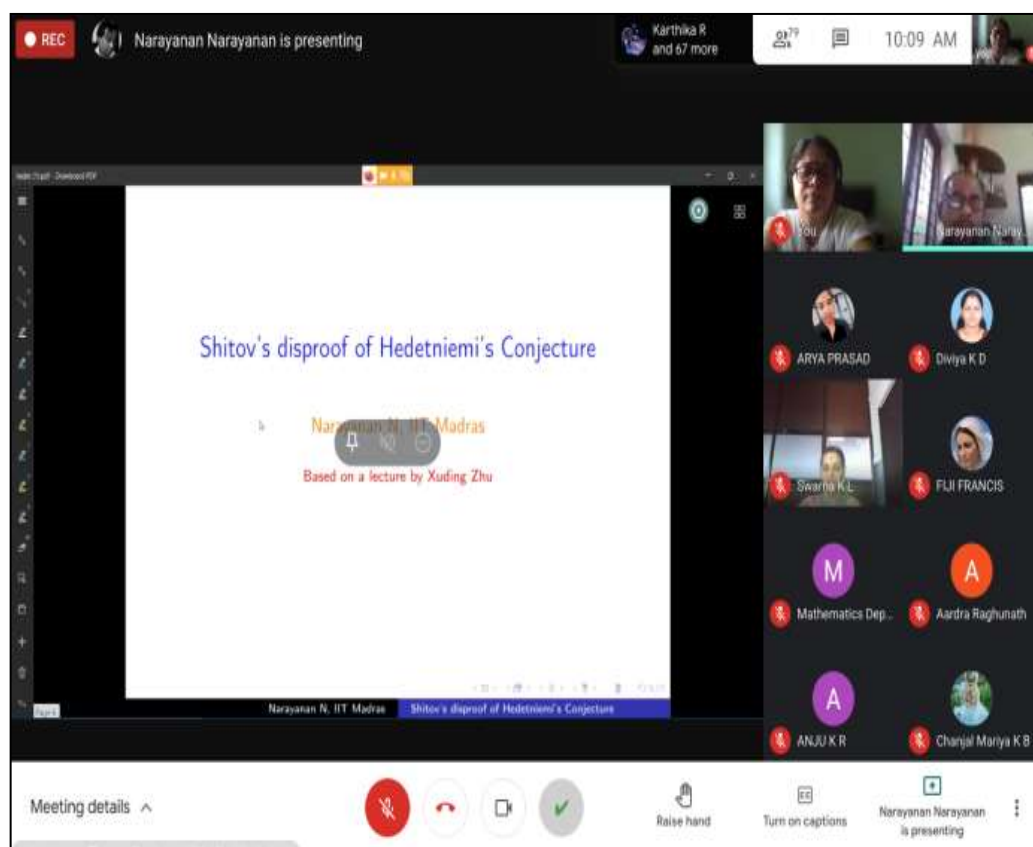
Day 6: 15.12.2020

The last session of the webinar series was a talk by eminent graph theorist Dr. Narayanan of IIT Madras. He explained the proof of Hedetniemi Conjecture and also briefed the importance of research and works on pure and theoretical mathematics.

*Assessment Period (2016 – 2021)*



## VIMALA COLLEGE (AUTONOMOUS), THRISSUR



There were around 120 participants from within and nearly 25 from outside the state. There were five participants from University of Morocco. The live streaming was also done through YouTube on all the six days for participants who couldn't access Googlemeet.





## VIMALA COLLEGE (AUTONOMOUS), THRISSUR

### List Of Participants

- |                            |
|----------------------------|
| 1. Sinu N.Vijayan          |
| 2. Viji A M                |
| 3. Alphy Jose              |
| 4. Mahesh Kale             |
| 5. Linda J P               |
| 6. Dolly Augustine         |
| 7. N. Mohanapriya          |
| 8. Keerthana S             |
| 9. Daniya Davis            |
| 10. Anju Thomas            |
| 11. Shahana A R            |
| 12. Athuliya P S           |
| 13. Surya                  |
| 14. Akhil S                |
| 15. Sreeja A               |
| 16. Biswajit Ganguly       |
| 17. Rathod Shaileshkumar   |
| 18. Rakshana T             |
| 19. Subhash Kumar          |
| 20. S. Jagadeesan          |
| 21. Sunil Kumar Sahoo      |
| 22. Nikhil Sharma          |
| 23. Remya. P. B            |
| 24. Bini George            |
| 25. Gourav Mishra          |
| 26. Savita                 |
| 27. Peeyush Madan          |
| 28. Sastha Priya S         |
| 29. Salu S                 |
| 30. Varadharajan M         |
| 31. Aimy Rose Joy          |
| 32. Bharathi S             |
| 33. Dr.A.Ravikumar         |
| 34. Arsha Marie            |
| 35. Delna V Gigi           |
| 36. Megha P M              |
| 37. Dr Poonam Kumar Sharma |
| 38. Mohammad Asif Ali      |
| 39. Princy Verma           |
| 40. Dr. K. K. Myithili     |
| 41. Manya K                |
| 42. Smera Girish           |
| 43. Maria Mj               |
| 44. Architha Udai          |
| 45. Diviya K D             |
| 46. Dr.K.Kalaiarasi        |



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47. Dr. S. Karpagam
48. Imane Agmour
49. Nossai Baba
50. Idmbarek Asmaa
51. Yamna Achik
52. Soukaina Mahzoum
53. Hajar Moutamanni
54. Bendahou Fatima-Ezzahra
55. Dr.S.Sivaramakrishnan
56. Nithya Muraleedharan
57. Dr. R. Narmada Devi
58. Poonam
59. Javid Majid
60. Divya Jayaprakash V K
61. Geethika Manoj
62. Ashmyvs
63. Athira Ramachandran
64. Elizabeth George M
65. Josna Graison
66. Hasna N.H
67. Ancy Varghese
68. Monisha S M
69. Shinciya.K
70. Swarupa S
71. Lakshmi Rajeev N
72. Jemimma Annie Joshy
73. Helana Johnson
74. Dhanya Babu N
75. Maheindhu P M
76. Abshana Backer Ab
77. Ginna Joby
78. Karthika R
79. Sona Paul
80. Fiji Francis
81. Sneha Sreenivas
82. S.Pravin
83. Athulya Pr
84. El Gorde Sara
85. Magi P M
86. Sneha Mohan
87. Divya P
88. Ann Christine Benny
89. Glenna Maria
90. Evelyn Jose
91. Lekha A
92. Rejitha P G
93. Ann Glenda John
94. Ashlin James



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95.	Sandra Santhosh
96.	Brinta Babu
97.	Shahana Shirin Ps
98.	Irine Jacob U
99.	Anjitha Jayakumar V
100.	Aiswarya P R
101.	Jini Mj
102.	Alena C J
103.	Arya Prasad
104.	Anjana Nandakumar
105.	Sona Rajan
106.	Anu A R
107.	Vinny Witson
108.	Keerthana Sr
109.	Emey Rose Biju
110.	Anna Ros Babu
111.	Ashitha E
112.	Aneesa Ma
113.	Amrutha Mol Joshy
114.	Laya Yesudas
115.	Dr.Sameena Kalathodi
116.	Sreelakshmi P.N
117.	Anagha Manohar
118.	Adithya P V
119.	Nikhitha M J
120.	Akhitha V.A.
121.	Sona K B
122.	Krishnapriya Mohandas
123.	Therese Joseph
124.	Muskan Gupta
125.	Reeja Kuriakose
126.	Ms.Junapudi Swarna Latha Raj
127.	Linnet P Vinod
128.	Rosmy C P
129.	Aparna. A
130.	Jasna Jose
131.	Nikhila K.M.
132.	Karthika P S
133.	S Niranjana
134.	Hridya Leonson
135.	Angitha G
136.	Helna Sajan
137.	Anjali B Nair
138.	Aswathy K. U
139.	Farisa M
140.	Sefi.K. X
141.	Feji P. J
142.	Betteena Denny



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143.	Anakha V S
144.	Justeena Ouseph
145.	Hridhya Joy
146.	Savia E V
147.	Aneetta Shaju
148.	Anu Menon C
149.	Indhu Es
150.	Ananya Sajan
151.	Mariya Jose
152.	Anumol Baby
153.	Bincy Babu
154.	Arya Nr
155.	Abhirami C Jayan
156.	Kavitha Ramachandran
157.	Sreelakshmi Pc
158.	Archana V
159.	Aswani. Ta
160.	Revathy G Krishnan
161.	Rosmi Babu
162.	Malavika. Sudheesh.
163.	Sanika C S
164.	Aleena Paul P
165.	Nafia Hajar
166.	Arathy K D
167.	Dr. Manjusha O T
168.	Uma H

*K. L. Sathya*

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