

No. 12016/3/2011-S&T  
Government of India  
Planning Commission  
Science and Technology Division

Yojana Bhawan,  
Sanasd Marg,  
New Delhi-110001

Dated 11.05.2011

**OFFICE MEMORANDUM**

**Subject: Constitution of Task Force on Development of Higher Mathematics for Applications**

The Steering Committee on Science and Technology for the formulation of Twelfth Five Year Plan, during its first meeting held on 5<sup>th</sup> April, 2011 under the Chairmanship of Dr. K. Kasturirangan, Member (Science). Planning Commission has decided to constitute a Task Force on Development of Higher Mathematics for Applications. The composition and Terms of Reference of the Task Force are as under:

**COMPOSITION**

| S.No. | Name & Designation   |                 |
|-------|--|-----------------|
| 1.    | Dr. M.S. Narasimhan, Distinguished Associate, IISc., Bangalore   | <b>Chairman</b> |
| 2     | Dr. T. Ramasami. Secretary, DST  | Member          |
| 3     | Dr. V.K. Saraswat, Secretary, DRDO & Scientific Adviser to RM, New Delhi   | Member          |
| 4     | Prof R. Balasubramanian, Director, IMSc, Chennai   | Member          |
| 5     | Prof G. Rangarajan, Deptt. of Mathematics, IISc., Bangalore  | Member          |
| 6     | Dr. Rajeev Karandikar, Distinguished Professor, IMSc, Chennai  | Member          |
| 7     | Dr V Balaji, Chennai Mathematical Institute, Chennai   | Member          |
| 8     | Prof Sujatha Ramadorai, TIFR, Mumbai   | Member          |
| 9     | Prof. Kapil Paranjape, IISER, Chandigarh   | Member          |
| 10    | Prof. Rajinder Bhatia, ISI, Delhi  | Member          |
| 11    | Dr. Manindra Agarwal, IIT, Kanpur  | Member          |
| 12    | Dr. K.B. Sinha, Distinguished Associate, IISc, Bangalore   | Member          |
| 13    | Prof. Amber Habib, Mathematical Science Foundation, Delhi  | Member          |
| 14    | Dr. Sanjeev Agarwal, Deptt. of Mathematics, Department of Science and Technology. Stephen's College, University of Delhi | Member          |

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|----|---|-------------------------|
| 15 | Dr. S.D. Adhikari, Professor, Harish Chandra Research Institute, Allahabad.   | Member                  |
| 16 | Dr. Vivek S Borkar, Professor, School of Technology and Computer Science, TIFR, Bombay  | Member                  |
| 17 | Dr. Mythily Ramaswamy, Dean, TIFR Centre for Applicable Mathematics, P.Bag No. 6503, Yelahanka, Bangalore-560 055   | Member                  |
| 18 | Dr. Ravi Kannan, Principal Researcher, Algorithms Research Group, Microsoft Research Labs., Scientia, 196/36 2nd Main, Sadashivnagar, Bangalore 560 080 India | Member                  |
| 19 | Dr. . Vijay Chandru, Chairman, Co-founder and CEO, Strand Life Sciences, 5th Floor, Kirloskar Business Park, Bellary Road, Hebbal, Bangalore 560024           | Member                  |
| 20 | Prof. P. Seshu, CSIR Centre for Mathematical Modelling and Computer Simulation (C-MMACS), Bangalore   | Member                  |
| 21 | Prof. Dinesh Singh, Vice Chancellor, University of Delhi  | <b>Member Secretary</b> |
| 22 | Dr. Praveen Arora, Scientist 'F', DST   | <b>Co-Convener</b>      |

### Terms of Reference

1. To review the current status of Higher Mathematics in India and suggest mechanisms and programmes for strengthening quality of education and research in both pure and applied areas of mathematics and enroll talent into careers with academic and research system.
2. To suggest plans and schemes for improving the quality of teaching and research in Mathematics.
3. To suggest ways and means to integrate Mathematics and Computer Sciences R&D with application areas like Climate and Weather Modeling; General Mathematical Simulation; Space, Atomic Energy and Defence related requirements; Data encryption and other aspects of data security.
4. The Chairman may co-opt any other member.
4. The expenditure towards TA/DA in connection with the meetings of this Task Force in respect of Official Members would be borne by their respective Ministries/Departments. In respect of Non-Official Members, the expenditure would be met by the Department of Science and Technology, as admissible to class-I officers of the Government of India. .
5. The report of the Task Force would be submitted to the Steering Committee on the S&T for the formulation of Twelfth Five Year Plan by 15th July, 2011

( R.K. Gupta)  
Joint Adviser (S&T)

Copy forwarded to:

1. Secretary, Department of Science and Technology

2. Chairman, all Members and Member-Secretary of the Working Group
3. PS to Deputy Chairman, Planning Commission
4. PS to Adviser to PM on PI<sup>3</sup>
5. PS to Minister of State (Planning)
6. PS to all Members, Planning Commission
7. PS to Member-Secretary, Planning Commission
8. All Principal Advisers/Sr. Advisers/Advisers/HODs, Planning Commission
9. Director(PC), Planning Commission
10. Administration (General-I) and (General –II), Planning Commission
11. Accounts-I Branch, Planning Commission
12. Information Officer, Planning Commission
13. Library, Planning Commission

( R.K. Gupta)  
Joint Adviser (S&T)

