R E S U M E

Dr. PRASANNA DEVIDAS DAHE
Professor, Department of Civil Engineering, SGGS Institute of Engineering & Technology, Vishnupuri, Nanded (MS).

1. Educational Qualifications

SN	Examination	Examining Body	Year	Class/Marks	Awards
01	S. S. C.	S. S. C. Board	1979	Distinction 82%	National Merit Scholarship
02	Diploma in Civil Engg.	Board of Tech. Exam. Mumbai	1982	First	P.M.Ruikar trust Award
03	B. E. Civil	Nagpur University, Nagpur	1985	First class 74.4%	Gold Medal for first position
04	M.E. (Civil) By Research	Nagpur University, Nagpur	Nov. 1994	Grade A	
05	Ph. D.	IIT, Roorkee, Roorkee	Dec. 2001	-	

2. Employment Details

Employer	Period		Designation
Town Plang. & Valuation Dept. Amravati	Oct . 1985	June 1986	Planning Assistant
Zilla Parishad Yavatmal	June 1986	September 1987	Junior Engineer
Shri Guru Gobind Institute of Engineering & Technology, Nanded.	8.09.1987	Till date	Professor

3. Experience

a) Teaching: 32 years at SGGS College of Engg. & Tech. b) Other: One and half years.

4. Short term courses attended:

16 courses, total duration 23 weeks.

5. Research Work

(Area: Systems analysis applications to water resources planning)

a) M.E. (By Research), Duration: 1990-1994, Supervisor: Prof. R. N. Ingle, VRCE, Nagpur
Topic: **Optimal design of small reservoir systems.**

A crop and reservoir planning model for watershed development and its solution software was developed. It handled integrated planning for land and water resources; and selection, sizing and sequencing of reservoirs in a watershed. The methodology was demonstrated with an application to a real life problem.

b) Ph.D., Duration: 1997 – 2001, Supervisor: Prof. D.K. Srivastava, IIT, Roorkee, Roorkee
Topic: **Planning for optimal development of a river basin.**

A multiple yield model for multireservoir system was developed which incorporates the desired reliabilities for different water uses, and also an allowable deficit in annual irrigation target during the failure years. The model was applied to the system of 30 reservoirs in Narmada river basin within the framework of the recommendations of the Narmada Water Disputes Tribunal (NWDT). An allowable annual deficit criterion for irrigation planning was incorporated based on the minimum food requirements of the cultivators in the command of irrigation

reservoirs. For this a detailed study of the 25 reservoirs having irrigation component was carried out. The annual water yield in the basin was assessed with an integrated operation of the system of reservoirs considering the existing planning as per the Master Plan. It was found that the provisions of the existing planning (Master Plan) are not sufficient to fulfil the recommendations of NWDT. The annual water yield was found to be less by 6.7% than the estimate by NWDT. Also there was shortage/surplus in the annual irrigation targets of individual reservoirs. Two alternative designs proposals for the system of reservoirs were framed using the model to overcome the shortfalls in the existing planning.

6. Publications: Twenty one papers published

International: Eleven papers including one paper in **ASCE Journal of *Water Resources Planning and Management.***
National: Ten papers

7. Software Proficiency

Languages Known : C, FORTRAN

8. a) P. G. Dissertation Guided: 15
b) Ph.D Guided: Two ; Ph.D Research scholars registered -Two

9. Subjects Taught (During last five years)

Water Resources Systems Engineering; Building Construction; Building Planning and Drawing., Elements of Civil Engineering, Strength of Materials, Engineering Mechanics, Engineering Hydrology.

10. Contribution to Institutional Development

1. **Laboratory development**: Coordinated a DCA Scheme on Software Applications and Development in Water Resource Management, during 1990-91; Amount of Grant – Rs. 10.0 Lakhs. Two MODROB schemes worth Rs. 9.00 lakhs implemented. Implemented TEQIP equipment procurement schemes in TEQIP-II worth Rupees 60 lakhs. Participated in DST-FIST programme equipment procurement worth Rupees 80 lakhs.
2. **Training programmes organised**: Two ISTE approved short term courses each of two weeks duration organised. One week TEQIP STTP organised.
   a)"Computer applications in Systems Engineering" , May 21-June 02, 2001.
   b)"Water Management: Basic Principles and Interdisciplinary Approach", June 25 – July 7,2001.
   c) "Analytical Techniques for Applied Research", January 21-25, 2013.
3. **Curriculum development**: Worked on the committees for curriculum development of the Babasaheb Ambedkar Marathwada University, Aurangabad and SRTM University, Nanded.
4. **Administrative and examination activities**: Worked as Head of department and Secretary Building and Construction Committee.

9. Conferences and Workshops Attended: Fifteen