

*Two day National level Workshop on  
“Applied Numerical Methods, Optimization  
Techniques & Learning”*

**Registration Form**

*(ANMOL – 2018),  
19<sup>th</sup>-20<sup>th</sup> January, 2018*

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Qualifications: \_\_\_\_\_

Experience : \_\_\_\_\_

Specialization: \_\_\_\_\_

Department : \_\_\_\_\_

Organization : \_\_\_\_\_

Address for Correspondence: \_\_\_\_\_

\_\_\_\_\_

Telephone No. : \_\_\_\_\_

Mobile : \_\_\_\_\_

Email : \_\_\_\_\_

Registration details:

DD No.: \_\_\_\_\_ Date: \_\_\_\_\_

Bank: \_\_\_\_\_

Date: \_\_\_\_\_ Signature of the applicant

**Resource Persons**

Dr. C.R.Rao , Professor, University of Hyderabad  
Dr. B.Srivathsa, Scientist “F”, DRDO  
Dr.M. Rangamma, Professor, OU  
Dr. M.Hanumandlu, Retd.Professor, IIT Delhi  
Dr.M.Madhavi, Professor, MVSREC  
Dr.J.Kandasamy , Assoc.Prof, MVSREC  
Dr.G.L.kameswari, Asst.Prof,MVSREC  
Mr.C.V.G.K.Rao, Assoc.Prof,MVSREC

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1. Dr. P.A.Sastry, Prof, Mech.Engg.Dept
2. Prof. S.G.S.Murthy, Vice Principal, MVSREC
3. Dr. A.R.Subrahmanyam, Head, S&H,MVSREC
4. Dr. B.Bhanu Prasad, Prof, Dept.of.S&H
- 5 .Dr. D.Hanumantha Rao,Principal,MEC
6. Dr. S.Thiagarajan, Professor, MEC
7. Mr.V.Ashwini Kumar, Assoc.prof, MVSREC

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**“Applied Numerical Methods,  
Optimization Techniques &  
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*(ANMOL-2018)*

*19<sup>th</sup> - 20<sup>th</sup> JANUARY, 2018*



*Organized by*

*Faculty of Mathematics*

*Department of Sciences & Humanities*

**Convener : Dr.G.Lakshmi Kameswari**

**Co-Convener : Dr.Nalini Panyam**



**In Collaboration with**

**ISTE Chapter,**

**MVSR Engineering College**

**Nadergul, Hyderabad, Telangana-501510**

**[www.mvsrec.edu.in](http://www.mvsrec.edu.in)**

**email: [anmol-18@mvsrec.edu.in](mailto:anmol-18@mvsrec.edu.in)**

## About MVSREC

Maturi Venkata Subba Rao Engineering College was established in the year 1981. It is one of the premier institutions of Telangana State has pioneered Engineering education in private sector. The college is accredited by “NBA and an ISO-9001:2008” certified institute affiliated to Osmania University. It has 7 undergraduate and 3 Postgraduate programmes with over 215 well qualified faculty and 200 non-teaching staff.

## About the Department

The Department of Applied Sciences & Humanities was established in the year 1981. The Department offers Courses in Sciences and Humanities to the 1st year students of the BE program. In addition, the department offers Mathematics, Managerial Economics and accountancy courses to the 2<sup>nd</sup> & 3<sup>rd</sup> year students of the BE program. The present intake of students at the first year level (in the branches of CIVIL, CSE, ECE, EEE, MECH, IT, AUTO) is 870. The department is situated in two buildings. It has a team of 41 well qualified, committed and experienced teaching staff members including 12 doctorates and 15 supporting staff members. The department has well equipped Physics, Chemistry, English and Computer programming laboratories situated in both the buildings of the department. The aim of the first year instruction is to equip the students to apply the knowledge of basic sciences and humanities in understanding the core engineering subjects. Besides the primary job of teaching, the faculty members have been publishing research papers in several national and international journals of repute and have also authored several text books.

## Workshop Objectives & Outcomes

The workshop aims at addressing the recent developments in the area of Numerical Methods, Optimization; Machine learning, artificial Intelligence

and applications pertaining to Engineering & Technology. At the end of the workshop, the participants would be able to

1. Formulate and apply the non-linear optimization techniques to real world applications.
2. Analyze and solve Engineering applications with Numerical Techniques
3. Formulate Algorithms based on Artificial Intelligence & Machine Learning Techniques.

## Workshop Contents

**Numerical Methods:** Bisection method, Newton Raphson method, Guass-Siedal Method, Range-Kutta Method, Newton’s Forward & Backward Interpolation.

**Optimization Techniques :** Combinatorial, stochastic, infinite dimensional Optimization Methods. Heuristics & metaheuristics, constrained & unconstrained optimization. Multi-objective and multi modal optimization techniques.

**Learning:** Artificial Intelligence, Evolutionary algorithms, Machine learning, Genetic Algorithm, Simulated Annealing, Taguchi Methods.

## Target Audience

Faculty members from Technical Institutions, Postgraduate & Research Scholars, Professionals working in Industry and Government Organizations are eligible to attend the Workshop.

## Registration Fee

The registration fee for attending the workshop is

- |                             |           |
|-----------------------------|-----------|
| 1. From Industry , R&D labs | Rs. 750   |
| 2. Faculty                  | Rs. 600/- |
| 3. Research scholars        | Rs. 500/- |
| 4. UG & PG Students         | Rs. 300/- |

The payment should be made through a demand draft drawn in favour of **“Principal, MVSR Engineering College”**, payable at Hyderabad.

## Organizing Committee

Dr. K.Ramesh Babu  
Dr.A. Neelima  
Mrs. D.Bhagyamma  
Mr. U.Shanmukha Rao  
Mr.P.Narender  
Mrs.M.Jyotsna  
Mr. Moiz Ehteshamuddin  
Mrs. P.Sumalatha  
Mrs.P.Swapna  
Mrs.N.Tirumalatha

## Important Dates

All the participants are requested to send scanned copy of the registration form and DD to the Email address given below before 17th January 2018.  
Intimation to selected candidates: 18-01-2018

## Address for Correspondence

The Convener, ANMOL-2018, Department of Mathematics, M.V.S.R Engineering College, Nadergul, Hyderabad-501510.

Mobile : 9985220447 (Dr.G.L.Kameswari)  
: 9866651433 (Dr.Nalini Panyam)

Phone: MVSR Engineering College  
(08415) 244362,244867, Fax: 08415-245180

Email: [anmol-18@mvsrec.edu.in](mailto:anmol-18@mvsrec.edu.in) ,

Website: [www.mvsrec.edu.in](http://www.mvsrec.edu.in)

## Transportation & Facilities

Participants may avail college transportation facilities plying from different parts of twin cities. The number of participants is limited and selection is based on First come First Serve basis. Participants will be provided with Registration Kit, Lunch, Tea & snacks. They are requested to make own arrangements for their stay during workshop. No TA will be paid for outstation Candidates.