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**Vikram Narayandas**, Asst.Prof., CSED

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**K. Murali Krishna**, Asst. Prof., CSED

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**Registration**  
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**Publicity**  
Dr. A. V. Krishna Prasad, P. Phani Prasad,  
T. Srikanth, G. Srishailam

Resource Persons

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**Dr. M. Hanmandlu**  
Former Professor IITD  
Department of CSE  
MVSR Engineering College

On  
~ **Fuzzy Logic & Fuzzy Systems** ~

**Dr. B. Sandhya**  
Associate Professor  
Department of CSE  
MVSR Engineering College

On  
~ **Basic Neural Networks** ~

**Mr. V. Ashwini Kumar**  
Associate Professor  
Department of IT  
MVSR Engineering College

On  
~ **Fuzzy Logic Applications** ~

**Mr. C. V. Gopala Krishna Rao**  
Associate Professor  
Department of EEE  
MVSR Engineering College

On  
~ **Evolutionary Learning** ~

**Ms. Aparna Bhatia**  
Research scholar, IITD

On  
~RBFN~

A THREE DAY WORKSHOP ON  
**SOFT COMPUTING**

22<sup>nd</sup> 23<sup>rd</sup> & 24<sup>th</sup> February, 2018

Organized by

**Department of  
Computer Science and  
Engineering**



**MVSR Engineering College**

(Sponsored by Matrusri Education Society, Estd. 1980)

Affiliated to Osmania University

Nadergul, Hyderabad - 501510

[www.mvsrec.edu.in](http://www.mvsrec.edu.in)  
[csemvsr.blogspot.com](http://csemvsr.blogspot.com)

## ABOUT THE WORKSHOP

Soft computing has made inroads in all branches of engineering. Our endeavor in this workshop is to expose the new faculty to this area of research. The intent of this workshop is to introduce the basic components of soft computing such as fuzzy logic, neural networks and evolutionary learning. The basic concepts of each of these components will be discussed in a tutorial based approach so as to create interest in the faculty. This workshop will enable the participants to gain the basic knowledge in this area.

## ABOUT THE COLLEGE

M.V.S.R. Engineering College, sponsored by Matrusri Education Society, was founded in 1981 with three disciplines. Over the years it has grown in stature and is presently acknowledged as a premier technical institute in Telangana. The college offers BE 4-Year Degree courses in Civil, ECE, EEE, CSE, IT, Mechanical and Automobile Engineering disciplines. The courses are affiliated to Osmania University and are approved by AICTE. B.E. programmes are accredited by the NBA of AICTE. The college also has Post-Graduate courses in M.E. (Mech - (CAD / CAM), ECE (Embedded Systems & VLSI Design)), M.Tech. (CSE), M.B.A and Ph.D. Research Center.

## ABOUT THE DEPARTMENT

Computer Science and Engineering Department was started in the year 1985. The current intake is 180 for U.G. and 18 for P.G.. The department organizes guest lectures inviting expert speakers from industry and other reputed academic institutions. The college is a Institution member of IEEE, ISTE, CSI and many more professional bodies. BE (CSE) of the Department has been accredited by NBA in 2002, 2007 and 2014. M.Tech (CSE) of the Department has been introduced in 2010. Also approved as Ph.D. Research Center from OU in 2017.

## WORKSHOP SCHEDULE

(22/02/2018) **Day 1**

10.00am - 11.30am Introduction to soft computing  
-Dr.M. Hanmandlu

11.45am - 1.00 pm Fuzzy Relations  
-Dr.M. Hanmandlu

1:00pm - 1:45pm **Lunch**

1:45 pm-3:00 pm Basic Neural Networks  
- Dr. B. Sandhya

3.15pm-4:15 pm Case study on Fuzzy logic  
-Dr.M. Hanmandlu

(23/02/2018) **Day 2**

10.00am - 11.30am Fuzzy Rules, FIS  
- Dr. M. Hanmandlu

11:45am - 1.00pm Control of Inverted Pendulum using Fuzzy Logic  
- Mr. V. Ashwini Kumar

1:00pm - 1:45pm **Lunch**  
1:45pm - 03:00pm RBFN  
- Aparna Bhatia

3.15pm-4:15 pm Case study on Neural Networks  
- Dr. B. Sandhya

(24/02/2018) **Day 3**

10.00am - 11.30am Introduction to evolutionary learning  
- C.V. Gopala Krishna

11.45am - 1.00pm Adaptive Neuro FIS, Architecture & Learning in ANFIS  
- Dr. M. Hanmandlu

1:00pm - 1:45pm **Lunch**  
1:45pm - 3:00pm Case Study on evolutionary learning  
- C.V. Gopala Krishna

3:00pm - 4:00pm **Valedictory Session**

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# SOFT COMPUTING

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## REGISTRATION FORM

<b>Name</b>	
<b>Designation</b>	
<b>Organization</b>	
<b>Ph.No.</b>	
<b>Email Id</b>	
Fee - Rs. 600/- Faculty/Research scholar Fee - Rs. 500/- Students	

**Signature**

Online Registration Google Form available at  
[csemvsr.blogspot.com](http://csemvsr.blogspot.com)

Contact: Vikram Narayandas, Asst.Prof, CSED  
[ Ph: 9 0 3 0 9 6 2 0 4 0 ]