

**REGISTRATION FROM**

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**SPONSORSHIP CERTIFICATE**

Ms./Mr. ....

Designation..... has been authorized to attend all sessions of the FDP during the period from 12<sup>th</sup> Feb, 2018 to 17<sup>th</sup> Feb, 2018 at Govt. Holkar Science College, Indore (M.P)

**OFFICE SEAL**

Head of Institution

**SIGNATURE**

**PATRONS**

**Dr. S G Deshmukh**

Officiating Director,  
PDPM IIITDM, Jabalpur  
& Director, ABV IIITM, Gwalior

**Dr. Rooplekha Vyas**

Principal, Holkar Science  
College, Indore

**CO-ORDINATORS**

**Dr. Chitranjan Sharma**

Govt.Holkar Science  
College, Indore  
(9827312026)

**Prof. Aparajita Ojha**

Professor CSE and  
Chief Investigator,  
Electronics & ICT Academy  
PDPM IIITDM Jabalpur

**ORGANIZING COMMITTEE**

Dr. Ravindra Garg  
(9826441994)

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(9425032837)

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Dr. Vivek Raich

Dr. M.K. Mishra

Prof. B.N. Namdeo

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Department of Mathematics  
Govt. Holkar (Model,Auto.) Science College, Indore  
(M.P)

**FACULTY DEVELOPMENT PROGRAMME  
ON  
OPTIMIZATION TECHNIQUES  
THEORY & PRACTICAL**

**12<sup>th</sup> Feb, 2018 to 17<sup>th</sup> Feb, 2018**



Organized by

Department of Mathematics

Govt. Holkar (Model, Auto.) Science College, Indore (M.P)



**Under**

**Electronics & ICT Academy,  
PDPM IIITDM Jabalpur**

An initiative of

Ministry of Electronic and Information  
Technology

**Government of India**

**-:Venue:-**

Department of Mathematics

Govt. Holkar (Model, Auto.) Science College, Indore (M.P)

### **About Holkar Science College, Indore**

The College was established on June 10<sup>th</sup>, 1891 by the rules of the erstwhile Indore Holkar dynasty Maharaja ShivajiRaoHolkar in the memory of his father Maharaja Tukoji Rao Holkar to meet the requirement of education in the central provinces. In the beginning, subjects taught were English literature, Sanskrit, Persian, Logic, History, Political Economy, Mathematics & Science. Mr. E.C. Cholmondeley, Oxford University graduate and Bar-at-law became the first regular Principal of this College. B.Sc. classes were started during his times. The college was affiliated to the University of Calcutta till 1904 and then to the university of Allahabad. 1926 to 1940 A.D. was the golden period for the development of the college. During this period post graduate classes in many subjects were started along with some new subjects at degree level. The college made prestigious records at the national level in sports & cultural activities besides academic achievements. In the sixties, Arts, Commerce, Science and Law were also taught in the college. Since inception, the college has earned a prestigious name in the map of education, sports, cultural and social activities and has become a source of inspiration. Presently, the college is affiliated to Devi Ahilya University of Indore. The State Government declared the college as a 'Model College' in 1985-86. It was given a status of an autonomous college in 1988 by DAVV University with the consent of the state govt. and U.G.C. New Delhi. In 1994-95, it was declared as a center of excellence by the state govt. with the nod of U.G.C. and with 'A'-Grade accredited by NAAC.

### **ABOUT ELECTRONICS & ICT ACADEMY, PDPM IIITDM JABALPUR**

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and ICT Academies with one academy at PDPM IIITDM Jabalpur with the primary objective of preparing manpower for two important missions - 'Digital India' and 'Make in India'. The Academy aims at the design and implementation of scalable training programmes in niche areas of electronics and ICT for the development of required knowledge base, skills and tools to unleash the talent of Indian population. .

#### **COURSE CONTENTS:**

Modeling and optimization: Basics and their applications in industry.

LPP and Dynamic Programming: Hands-on experience and Applications.

Queuing models

Introduction to machine learning and its applications

Supply Chain Management: Basics of optimization problems in supply chain, applications.

Software Design: Requirement engineering, management and design optimization .

Software Reliability

Hands-on Training on MATLAB for optimization problem solving, Symbolic Mathematics and Solutions of differential equations.

#### **Experts from well-known premier institutions**

- Prof. P.C. Jha, Professor Departments of Operations Research, Delhi University, Delhi
- Prof. Maya Ingle, DAVV Indore (M.P.)
- Prof. Ugrasen Suman, DAVV Indore (M.P.)
- Dr. Chitaranjan Sharma, Govt. Hollkar Science College Indore (M.P.)
- Dr. Deepmala, PDPM IIITDM Jabalpur.

### **WHO SHOULD ATTEND:**

This program is open to faculty and research scholars from all the colleges and universities.

Industry personnel working in the concerned /allied discipline may also apply.

#### **HOW TO APPLY:**

Interested candidates can fill the registration form available or download and send the completed application form through mail on or before 05<sup>th</sup> Feb 2018.

#### **REGISTRATION FEES:**

- Faculty and Research Scholars Rs.1000/-
- Industry Person: Rs. 5000/-