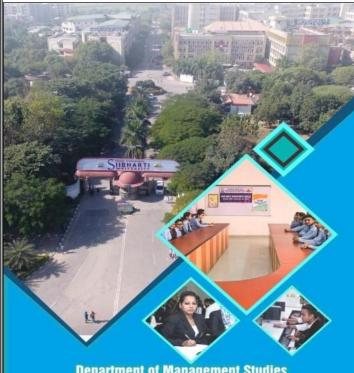
VAC Name: Advanced Operation Research Procedures (ET-VA-03)





Mobile No..: 9639010331

E-mail: management@subharti.org facebook.com/subhartiuni

Contact Us: Subhartipuram, NH-58, Delhi-Haridwar Bypass Road, Meerut, Delhi NCR, Uttar Pradesh. INDIA.

About Swami Vivekanand Subharti University

Swami Vivekanand Subharti University is a University under the section 2(f) of the University Grants Commission Act, 1956, set up under the Swami Vivekanand Subharti Vishwavidyalay Uttar Pradesh Adhiniyam, 2008 (U.P. Act No. 29 of 2008) as passed by the Uttar Pradesh Legislature and assented to by the Honorable Governor of Uttar Pradesh

The University has been established under the aegis of Mahayana Thervada Vajrayana Bhuddist Religious and Charitable trust (formly known as Subharti K.K.B. Charitable Trust) Meerut, which has acquired a commendable record of service in the field of Education, Religion, Health care and Social Welfare.

The main campus of the University is in the National Capital Region, strategically situated on National Highway 58, Delhi-Haridwar bypass road, Meerut, The campus aptly called 'Subhartipuram', is spread over a sprawling area of about 250 acres of land comprising of magnificent buildings, lush green lawns and vibrant surroundings with over 5000 people, determined to make this a 'Jewel in the Crown' of the nation

The University boasts of highly qualified, dedicated and competent faculty from all walks of life, world class infrastructure, fully equipped Laboratories with latest state-of-the-art equipments and a huge library with recent knowledge resources including e-resources.

The Uniqueness of Subharti University lies in providing an environment fully conducive to the overall development of students, thus maintaining a balance between academic excellence and moral perfection.

- The University has been awarded the membership of Association of Indian Universities in 2013.
- The University has more than 32 MOUS and has won numerous national and International awards
- The University has also started a number of courses through Distance Education, approved by Distance Education Bureau of UGC (Formerly by Joint committee of UGC-AICTE-DEC).
- The University has been accorded grade 'A' by NAAC in 2016.

About DOMS

The unique privilege to be a constituent college of the prestigious Swami Vivekanand Subharti University. DOMS focuses on Management & Commerce Education; with the commitment of transforming leadership skill with a sound understanding of domestic and global business complexity, the approach to pedagogy combines role playing, case studies, fieldwork, live business projects and instrumented feedback with a strong emphasis on theoretical concepts. The intent is to encourage rational inquisitiveness and open minds to the explorations of ideas, research and innovation in global prospective

Our collaborative approach involves inputs from various departments which gives the benefit of a much wider view and deeper understanding. This is indicated by the success of our alumni who are in positions of leadership in industries & governments across the world. The strong alumni network, gives students' unmatched access to information, mentors and careers. Our industry integrated management & commerce program are the most sought after programs.

rewards initiative, innovation and thinking outside the box. Our students are individualists of enormous intellectual energy with a talent for collaboration and teamwork. We are a diverse lot, possessing flair and dynamism that develops in NCR, and thrives on challenges both inside and outside the classroom.

Corporate recruiters value our graduates for their intellectual abilities, their collaborative mind-set, their ndividuality and their ability to hit the ground running.









Where Education is a Passion



Information Brochure





ADMISSION OPEN

"VALUE ADDED COURSE (Session: 2018-19)



"KNOWLEDGE OF VALUE ADDED COURSE WILL IMPROVE **EMPLOYABILITY OF THE STUDENTS"**

Organised by Department of Management Studies

Swami Vivekanand Subharti University, Meerut (U.P.)

Employment scene today requires that a student wanting a job be an all-rounder, with several skills. Pursuing multiple long-winding degree programs is no answer to this. Rather than spending a lifetime seeking higher cation Value Added Courses give you the chance to update your skill set in only a fraction of the timequality and money. But, the value they create is very high.

Why should I do a Value Added Course?

Value added courses are the fine way to fill the gaps in your knowledge and add competitive edge to your job prospects. As systems, programs and practices change, making it critical for job-seekers to have a range of competencies, Value Added Courses can help you to be a winner. Starting off with a Value Added Course helps you to have a foundation on which to build your career. Many these courses may lead you on to your own enterprise or to further qualification, if needed.

Who can take admission to a Value Added Course?

There are two types of courses being offered – General Interest Courses that are open to all and Subject specific Courses. You can pursue these courses as per your requirement. Apart from the Subharti University students, even others—students from anywhere, working men and women, or the self-employed—can register for these courses.

How many courses can I do?

As the basic idea is to make ample opportunities available to students, there are no restrictions on how many coursesa student can offer. Many of these courses are offered more than once a year and thus one can acquire several certifications during the period of a degree progra

Will I get a Job because of Value Added Courses?

The purpose of the Value Added Courses is to make you industry-ready. Providing the finishing touches to the knowledge you gain in your degree program, Value Added Courses will polish your skills and enhance your employability. What is more, you may even acquire enough tricks to start your own business! The College has a Placement Cell to assist you with your placement. You can register with this Cell and receive further guidance and some assistance in seeking jobs. The Cell also facilitates On or Off campus interviews.

The Courses are run by many departments, including some private Educational Service Providers. Each course has a $Coordinator\ whose\ names\ are\ prominently\ displayed\ in\ the\ Brochure.\ You\ may\ contact\ these\ coordinators\ in\ person.$

What about the Certification?

Each course has its own assessment pattern, both practical and theoretical. Successful completion of the course earns you

Eligibility: Courses are open for all M.B.A. /B.B.A. Students.

Schedule of Value Added Courses offered by DOMS (Session: 2018-19)

S. No.	Name of the value-added courses	Course Code	Program	Course	Year	Total No. of Hours	Course Coordinator
1	Simulation of Business Systems	ET-VA-01	PG	MBA	2018-19	30	Dr. Padma Misra
2	E-Commerce	ET-VA-02	PG/UG	MBA/BBA	2018-19	30	Dr. Gaurab Sharma
3	Advanced Operation Research Procedures	ET-VA-03	PG/UG	MBA/BBA	2018-19	30	Mr. Kavish Sharma
4	Business Letters & Report Writing	ET-VA-04	UG	BBA	2018-19	30	Ms. Rakhi Jha
5	Digital Marketing	ET-VA-05	UG	BBA	2018-19	30	Dr. Princi Gupta
6	Planning and Managing Small Businesses	ET-VA-06	UG	BBA	2018-19	30	Dr. Avanish Kr. Tyag



Department of Management Studies

ebsite: management.subharti.org, e-mail: management@subharti.org, Ph: 0121-3058039, Extn-2841, Telefax: 0121-3058030, 2439067



SWAMI VIVEKANAND SUBHARTI UNIVERSITY

(Established under U.P. Govt. Act no. 29 of 2008 and approved under section 2(f) of UGC Act 1956)

COURSE CONTENTS

Advanced Operation Research Procedures

Course Code: ET-VA-03

Session: 2018-19

Time duration: 30 Hr.

UNIT I:

Introduction to Operations Research: Basics definition, scope, objectives, phases, models and limitations of Operations Research. Linear Programming Problem – Formulation of LPP, Graphical solution of LPP. Simplex Method, Artificial variables, big-M method, two-phase method, degeneracy and unbound solutions.

UNIT II:

Transportation Problem. Formulation, solution, unbalanced Transportation problem. Finding basic feasible solutions – Northwest corner rule, least cost method and Vogel's approximation method. Optimality test: the stepping stone method and MODI method.

UNIT III:

Assignment model. Formulation. Hungarian method for optimal solution. Solving unbalanced problem. Traveling salesman problem and assignment problem.

UNIT IV:

Sequencing models. Solution of Sequencing Problem – Processing n Jobs through 2 Machines – Processing n Jobs through 3 Machines – Processing 2 Jobs through m machines – Processing n Jobs through m Machines.

UNIT V:

Dynamic programming. Characteristics of dynamic programming. Dynamic programming approach for Priority Management employment smoothening, capital budgeting, Stage Coach/Shortest Path, cargo loading and Reliability problems.

UNIT VI:

Games Theory. Competitive games, rectangular game, saddle point, minimax (maximin) method of optimal strategies, value of the game. Solution of games with saddle points, dominance principle. Rectangular games without saddle point – mixed strategy for 2 X 2 games.

PRINCIPAL
Acharya Vishard Gupt
Subhard Institute of Management & Commerce
S.V.S.U., MEERUT

for

Acharya Vishnu Gupt



Subhartilnstitute of Management & Commerce

Website: management.subharti.org, e-mail: management@subharti.org, Ph: 0121-3058039, Extn-2841, Telefax: 0121-3058030, 243

**A constituent college of

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Report

18 May, 2019

on

Value Added Course

Session: 2018-19 Program: BBA Date: 6-10 May, 2019

Course Name: Advanced Operation Research

Course Code: ET- VA- 03

No. of Students Enrolled in the Couse in the year: 12

Resource Person: Kavish Sharma

Objective of Value Added Course:

The objective of conducting the VAC was to enhance the knowledge of the students and make them aware about competitive edge to their job prospects.

Outcome of Value Added Course:

Value added courses are the fine way to fill the gaps in the knowledge of students and add competitive edge to their job prospects. As systems, programs and practices change, making it critical for job-seekers to have a range of competencies, Value Added Courses helpedthe students to be a winner. The purpose of the Value Added Courses is to make you industry-ready and that was fulfill very effectively. Starting off with a Value Added Course helpedthe students to have a foundation on which to build their career.



Faculty Signature

Acharya Vishna Subharti Institute of Management & General S.V.S.U., MEERUT



Department of Management Studies

Websiter management subharti org. 6 mail: management@sukhar6 org. Ph. 0121 3058039, Extn. 2841, Telefax: 0121 3058039, 2439067



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Department of Management Studies Subharti Institute of Technology and Engineering

Attendance Record of students enrolled in Value Added Course of Odd Semester (2018-19)

Session: 2018-19

Year: I

Course: Advanced Operation Research

Course Code: ET- VA-03

No. of Students Enrolled in the Couse in the year:

Program Date: 6-10 May,2019

Session: 2018-19

S. No.	Student's Name	Father's Name	06-05- 19	07-05- 19	08-05- 19	09-05- 19	10-05- 19
1	Deepak Kumar	Sh. Rakeesh Kumar	Α	p	p	P	p
2	Shakir Khan	Sh. Sherdeen Khna	p	p	р	A	A
3	Ritika Gupta	Sh. Rajeeve Kumar Gupta	р	Р	р	р	p
4	Danish Husan	Sh. Aabid Husan	р	A	p	р	P
5	Mohd. Aadil	Sh. Vakeel Ahmed	р	р	P	Α	p
6	Shubham Kumar	Sh. Parmod Kumar	A	p	A	p	p
7	Aishwarya Kamboj	Sh. Sanjay Kamboj	р	А	p	p	р
8	Shanu Chaudhary	Sh. Samar Pal Singh	р	р	р	р	р
9	Aman Singh	Sh. Rajendra Singh	p	p	A	A	p
10	Mohd Khalid	Sh. Aneesh Ahmad	р	A	p	p	P
11	Swati Malik	Sh. Sanjay Malik	p	p	р	P	P
12	Shivani	Sh. Brijesh Tyagi	P	Р	A	A	p

Faculty Signature

HEAD

Swami Vivekenand Subhard University MEERUT

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Certificate of Participation

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Akone

Principal, AVGSCMC

VAC Course Coordinator

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Where Education is Passion

Certificate of Participation

This is to certify that Mr./Ms... Deepale Kunne of MB.Aprogram/course of B. semester has actively Participated in Value Added
Course

on... Advance Operation Research Conducted/organized by
Acharya Vihnu Gupt Subharti College of Management & Commerce, Swami
Vivekanand Subharti University, on ... 6 - 10 May , 2019

WewishsuccessandgoodluckinyourfutureEndeavour.

AKPUP!

Principal, AVGSCMC

VAC Course Coordinator

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VAC Course Coordinator

Mr. Kavish Charma

Principal, AVGSCMC



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Certificate of Parti	ci	pation
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VAC Course Coordinator

Principal, AVGSCMC

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VAC Course Coordinator

Principal, AVGSCMC

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