

**SCHOOL OF ENGINEERING  
SCHOOL OF VOCATIONAL STUDIES AND APPLIED SCIENCES**

Gautam Buddha University is established by the Uttar Pradesh Gautam Buddha University Act 2002 UP Act No. 9 of 2002. School of Engineering started in 2010 and 05 Yr. Integrated B.Tech + M.Tech/MBA are running in various disciplines such as Civil Engineering, Electrical Engineering, and Mechanical Engineering and 02 Yr PG courses in the fields of Structural Engg., Power Engg., Industrial Engg and Management with state of the art instrumentation and laboratories are running in the Department. School of Vocational Studies and Applied Sciences started various programmes in 2012 such as M.Sc. Applied chemistry, Applied Mathematics, Applied Physics, Environmental Science and Food Science, B.Tech and M.Tech in 5 year integrated program in Food Processing and Technology.

**SCOPE OF STTP**

In the present scenario the computational techniques are finding wide applications for problem solving in the field of Engineering and Applied Sciences. Recent computational techniques especially, genetic algorithms, particle swarm optimization, differential evolution etc. have found great popularity among researchers for problem solving ranging from various disciplines of engineering such as power electronics, power electronics and drives, instrumentation & control, Structural Engineering, Environmental engg., and many more to applies sciences nevertheless finite element method, boundary element methods etc. are also useful for computational purposes. The short term training programme aims to create interest among young researchers particularly, from engineering field to use these techniques for wider applications.

**STTP CONTENT**

- Harmony Search/ Grey Wolf
- Differential Evolution
- Particle Swarm Optimization
- Bee Colony Optimization
- Neural Network
- Applications of Evolutionary techniques
- Correlation and Regression Analysis
- SPSS
- AMOS
- Paper Writing
- Plagiarism /Ethical consideration in research and intellectual properties

**RESOURCE PERSONS**

Faculty from IIT, NIT, Universities and Industry.

**PARTICIPANTS**

- The STTP is aimed to cater persons from Academic Institutes, Professionals from Industry, Government Organisations, Research Scholars and M. Tech. Students
- The numbers of seats are limited to 30 on first come first serve basis.

**REGISTRATION FEE**

Faculty Members from Academic Institutes	Rs. 2000/-
Professionals from Industry	Rs. 4000/-
Research Scholars and M. Tech. Students	Rs. 1000/-

**PAYMENTS**

**Demand draft or Cheque in favour of Gautam Buddha University Greater Noida.**

**REGISTRATION FORM  
STTP on APPLICATION OF TECHNIQUES/TOOLS IN  
ENGINEERING**

**09<sup>th</sup> to 14<sup>th</sup> October 2017**

Name: .....

Designation: .....

Organisation: .....

Professional Field: .....

Mailing Address: .....

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E mail Address: .....

Cell phone No. : .....

Mode of Payment :    CASH    OR    DEMAND DRAFT

Demand Draft No. : .....

Dated: ..... Amount: .....

Drawn on: .....

Signature: ..... Dated: .....

**RECOMMENDATION**

The application is hereby recommended and applicant is permitted to attend the workshop.

Signature of the Head of the Department / Organisation

## ABOUT THE UNIVERISTY



Gautam Buddha University, established by government funding in 511 acres lush green campus at Greater Noida encourages multidimensional growth through its education, training and research. The University envisions becoming a world class centre for excellence in education & research. The academic programmes, designed in line with the best universities around the world, combine the best practices of pedagogy and class room teaching, complemented by practical training and experiential learning. In order to promote value-based education, research and training, the University has established eight schools. To cater the engineering disciplines; School of Engineering, Information & Communication Technology offers Post Graduate & Doctoral level studies in the branches of Engineering & Technology including interdisciplinary domains. In terms of infrastructure the University can boost of having world class facility.

## HOW TO REACH UNIVERISTY

University is situated on Yamuna Expressway, Greater Noida in the NCR of New Delhi, India and is very well connected through World Class Roads from New Delhi Airport, Railway Stations and Inter State Bus Terminals by less than an hour's drive.

### CHIEF PATRON

Vice Chancellor, GBU, Greater Noida

### PATRON

Dean, School of Engineering  
Dean, School of Vocational Studies And Applied Sciences

### STTP COORDINATORS

Dr. Shilpa Pal, Dr. Nidhi Singh Pal, Dr. Dipti Singh

### ADVISORY COMMITTEE

Dr. Yogesh Chauhan, EE, SOE, GBU  
Dr. Shobha Ram, CED, SOE, GBU  
Dr. Sushil Kumar, HOD, Maths, SOVSAS, GBU

### ORANIZING COMMITTEE

Dr. M.A.Ansari, EE, SOE, GBU  
Dr. Shabana Urooj, EE, SOE, GBU  
Dr. Amit Awasthi, Maths, SOVSAS, GBU  
Dr. Pratiksha Saxena, Maths, SOVSAS, GBU  
Dr. Amit Ujlayan, Maths, SOVSAS, GBU  
Dr. Fahed Zulfeqarr, Maths, SOVSAS, GBU  
Dr. Vinod K.Yadav, EE, SOE, GBU  
Dr.C.B.Vishvakarma, EE, SOE, GBU  
Dr. Omveer Singh, EE, SOE, GBU

### IMPORTANT DATES

Last date of Registration : 21<sup>st</sup> Sept. 2017  
Intimation of Confirmation: 27<sup>th</sup> Sept. 2017

### FOR ANY QUERIES CONTACT

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## SHORT TERM TRAINING PROGRAMME

### On APPLICATION OF TECHNIQUES/TOOLS IN ENGINEERING

09<sup>th</sup> to 14<sup>th</sup> October 2017



In collaboration with

IEEE PELS-IES DELHI CHAPTER



IEEE PES-IAS DELHI CHAPTER



ORGANIZED BY

SCHOOL OF ENGINEERING &  
SCHOOL OF VOCATIONAL STUDIES AND APPLIED  
SCIENCES

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