

## THREE DAYS FACULTY DEVELOPMENT

### PROGRAMME

on

### THEORY ON COMPUTATION

10<sup>th</sup> – 12<sup>th</sup> June 19

#### Registration Form

Name (in capital letters):

Department :

Institution :

Address :

E-mail address :

Phone / Mobile No :

#### DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Program. If selected, I shall attend the program for the entire duration.

**Date:**

**Signature:**

**Registration Fee**

Faculty: Rs.500

The registration amount has to be paid in the form of DD in favor of "The Principal, Dr.N.G.P.Institute of Technology", payable at Coimbatore.

Draft No. \_\_\_\_\_ Dated \_\_\_\_\_

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

**Spot registrations are also allowed**

Signature of Participant

Signature of HOD

## ABOUT THE FDP

The faculty development program is intended to provide opportunity for teachers employed in AICTE approved Institutions and Anna University affiliated Institutions for upgrading their knowledge in the areas of Theory of Computation. This program will be very useful for those who are involved in teaching TOC/PCD at U.G level. This will also provide a technology favor for faculty who are willing to participate in ERP application and implement research process. However, our main focus will be on Theory of Computation based on the B.E/B.Tech. (CSE & IT) syllabus of Anna University, Chennai.

### TOPICS TO BE COVERED

- Introduction to Automata
- Finite Automata & Definite Finite Automata
- Finite Automata with Epsilon transitions & Regular Expression
- Context-Free Grammar & Minimization of Automata
- Pushdown automata
- Pumping Lemma for CFL & Turing Machines
- Post's Correspondence Problem & The classes P and NP

### RESOURCE PERSONS

**Dr.G.Sudha Sadhasivam**, Professor & HoD/CSE,  
PSG College of Technology, Coimbatore.

**Dr.K.Uma Maheshwari**, Professor & HoD/IT,  
PSG College of Technology, Coimbatore.

**Dr.S.Logeshwari**, Professor & HoD/CSE,  
Bannari Amman Institute of Technology,  
Sathyamangalam.

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in association with

*Computer Society of India  
&  
Open Source Software Club*

**Convener**

**Dr.S.V.Sudha,  
Professor & HoD/ CSE**

**Dr.S.Sankar Ganesh  
Professor & HoD (i/c)/IT**

**Coordinator**

**Ms.C.Vinothini  
Assistant Professor, CSE**

**Organized by**



DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING

(ACCREDITED BY NBA)

&

DEPARTMENT OF INFORMATION TECHNOLOGY  
**Dr. N.G.P. INSTITUTE OF TECHNOLOGY  
COIMBATORE-641048**

## ABOUT THE INSTITUTION

Dr. Nalla.G.Palaniswami initiated the establishment of Dr. N.G.P. Institute of Technology in 2007, and the N.G.P. Group of Educational Institutions. The Institution is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. Recognized by UGC & Accredited by NAAC and NBA(CSE,BME,ECE,EEE,MECH). The Institution has completed 12 years of dedicated and excellent service in the field of technical education. The college offers 7 UG programmes and 5 PG programmes and is one among the best self-financing Engineering colleges imparting high quality technical education in India. Dr. N.G.P. Institute of Technology strives to be place of excellence offering good infrastructure, an innovative and research oriented teaching community and a serene atmosphere for learning. The Institution has an active Industry Institute Partnership Cell (IIPC) to interact with industries.

## ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering & Information Technology was established in the year 2007 with B.E Programme. With the increasing demand in Computer Science and Engineering, M.E Programme was started in the year 2012 and PhD programme in 2018.It was accredited by NBA. The department of Computer Science and Engineering provides the students a sound foundation of theory concepts, in-depth working knowledge and hands on experience in computer software. The department has excellent infrastructure facilities. The main target of the department is to shape up the minds of the building professional in IT era. The target is being achieved with our highly qualified potential faculty members committed towards Education and Research.

## LOCATION

The Institute is situated on Coimbatore - Avinashi highway and is about 10 Kms from Coimbatore, Central Railway Junction and is about 4 Kms from Coimbatore Airport. It is accessible by Route numbers 115,16B from Gandhipuram town bus stand.

## TARGET AUDIENCE

Faculty members of CSE/ IT and other departments of Engineering colleges.

## REGISTRATION

- Registration for the Faculty Development Programme can be done using the attached form in same brochure. The completed form duly signed by Head of the department should be send by post to the Coordinator or scanned copy of the same can be mailed to the following mail id [opensource.ngpcse@gmail.com](mailto:opensource.ngpcse@gmail.com).
- Total number of participants is limited to Twenty Five members.
- Participants will be selected on first-come first-served basis
- Selected candidates will be intimated by e-mail. Confirmation of participation is to be made by email.

## PROGRAM CERTIFICATES

Participation certificates will be issued to the candidates who attend the entire programme at Dr.N.G.P. Institute of Technology, Coimbatore

## ADDRESS FOR COMMUNICATION

**Ms.C.Vinothini,**  
Department of CSE,  
Dr.N.G.P Institute of Technology,  
Dr. N.G.P. Nagar, Kalapatti Road,  
Coimbatore - 641 048 ,  
Tamilnadu, India.  
Mobile: 9994338312  
Email : [vinothini@drngpit.ac.in](mailto:vinothini@drngpit.ac.in)

Web : [www.drngpit.ac.in](http://www.drngpit.ac.in)

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr.Nalla G.Palaniswami,**  
Chairman, KMCH  
**Dr.Thavamani D.Palaniswami,**  
Secretary, Dr.N.G.P.IT

### PATRON

**Dr.O.T.Buvaneswaran,**  
CEO, KMCR & ET

### CHAIR

**Dr.K.Porkumaran,** Principal, Dr.N.G.P.IT

### CONVENER

**Dr.S.V.Sudha**  
Professor & HoD/ CSE, Dr. N.G.P.IT

**Dr.S.Sankar Ganesh**  
Professor & HoD (i/c)/IT, Dr.N.G.P.IT

### COORDINATORS

**Ms.C.Vinothini,AP/CSE**

### VENUE

Programming Lab  
Department of Computer Science and  
Engineering  
Dr.N.G.P. Institute of Technology

### IMPORTANT DATES

**Submission of Application** : **07.06.2019**  
**Intimation of selection** : **08.06.2019**  
**Confirmation by Participants** : **08.06.2019**

