



## FACULTY DEVELOPMENT PROGRAMME (FDP) ON

### Applied Cryptography

(27<sup>th</sup> April 2018 – 02<sup>nd</sup> May 2018)

Organized by

**Department of Computer Science & Engineering  
GIT, GITAM (Deemed to be University)  
Gandhi Nagar, Rushikonda, Visakhapatnam, AP**

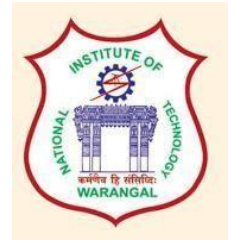
in

Association with

**National Institute of Technology (NIT-W), Warangal**

Under the Scheme of Electronics & ICT Academy

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



#### Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal in August 2015 with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puduchery and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Computer Science, Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

As part of this initiative, a Faculty Development Programme (FDP) on **Applied Cryptography** is being conducted at Dept. of **Computer Science and Engineering, GITAM Institute of Technology, GITAM (Deemed to be University), Visakhapatnam, A.P.** The whole course is handled by academicians and industry experts.

#### Major Course Contents:

- Security protocols and mechanisms
- Cryptography algorithms
- Programming using multi precision library (GMP)
- Other related tools SAGE and NTL
- Hands on to design and implementation of Elliptic Curve Cryptography (ECC)
- Introduction to Network security
- Network security tools (Wireshark, Metasploit, NMAP, SNORT)
- Digital signatures, Digital certificates, certificate authorities and PKI
- SSL, IPsec and Kerberos
- Hands on to design and implementation of secure protocols.

#### Eligibility:

The programme is open to the faculty of Engineering Colleges, MCA Colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry, Andaman and Nicobar Islands. Research Scholars and Industry working professionals in the concerned /allied discipline can also attend.

#### Registration Fee Particulars:

Faculty and Research Scholars from above mentioned states	Rs. 2500/-
Faculty of SC/ST Category from above mentioned states:	Rs.1250/-(SC/ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 7500/-
Participants from other states	Rs. 8500/-

\*SC/ST concession is only for faculty of mentioned states. Research Scholars are not eligible for SC/ST concession.

The entire registration fee is to be collected in the form of DDs/online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "Director, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

#### Accommodation:

Accommodation will be provided to the selected outside participants on prior request. No TA/DA will be paid for the participants. Working Lunch, Tea & Snacks would be provided during the Training in the campus.

#### How to apply:

A filled-in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the host institute coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through email [lakshmeeswari.gondi@gitam.edu](mailto:lakshmeeswari.gondi@gitam.edu) as selection will be intimated only through mail. Programme duration is 6 (six) days.

#### Selection Criteria:

Selection will be done based on *first-come-first-serve basis* to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

#### Important dates:

Last date (Application & DD)	22 <sup>nd</sup> April 2018
Selection List by E- mail	24 <sup>th</sup> April 2018
Duration	27 <sup>th</sup> April 2018 to 2 <sup>nd</sup> May 2018

#### About NITW:

**National Institute of Technology, Warangal** is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D. programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

#### About GITAM:

**Gandhi Institute of Technology and Management (GITAM)** was founded in the year 1980 by eminent Intellectuals and Industrialists of Andhra Pradesh led by Dr. M. V. V. S. Murthy a popular Philanthropist and has been accredited with A+ by NAAC. The department of Computer Science and Engineering was established in the year 1986. The department is committed to impart quality education and producing highly skilled graduates who are in demand in the industry. The department currently offers B. Tech (Computer Science and Engineering), M.Tech. (Software Engineering), M. Tech (Computer Science and Technology), M. Tech (Cyber, Forensic and Information Security) and Ph. D. programmes.



## APPLICATION FORM

### FACULTY DEVELOPMENT PROGRAMME (FDP) ON APPLIED CRYPTOGRAPHY (27<sup>th</sup> April 2018 – 02<sup>nd</sup> May 2018)



Organized by  
The Department of Computer Science & Engineering  
GIT, GITAM Deemed to be University  
Gandhi Nagar, Rushikonda, Visakhapatnam, AP  
in association with  
National Institute of Technology, Warangal

1. Name :
2. Designation :
3. Institution :
4. Email :
5. DD No: Bank: Date:

#### SPONSORSHIP CERTIFICATE

Dr./Mr./Mrs./Ms ..... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**Applied Cryptography**”, sponsored by Electronics & ICT Academy during 27<sup>th</sup> April – 02<sup>nd</sup> May 2018 at Dept. of CSE, GITAM Institute of Technology, Visakhapatnam.

Amount:

6. Address for Correspondence:
7. Educational Qualification:
8. Subjects taught so far:

Signature of Head of Institution  
(with seal)

9. No. of refresher courses/workshops attended:
10. Experience (in years):  
Teaching: Research: Industry:
11. Accommodation required: YES / NO
12. Do you belong to SC/ST : YES / NO  
(If yes, please specify and attach a copy of caste certificate to claim the concession)

#### Address for correspondence

Post your application form with DD to  
**Dr. G. Lakshmeeswari**  
**Coordinator for FDP on “Applied Cryptography”,**  
**Asst. Prof, Department of CSE,**  
**GITAM Institute of Technology, GITAM**  
**(Deemed to be University),**  
**Visakhapatnam-530045**

E-mail the scanned copies of filled-in and duly signed application form along with DD to  
**lakshmeeswari.gondi@gitam.edu**

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:  
<http://www.nitw.ac.in/eict/>

For more enquiries please contact:  
**Mobile: 9640811714**  
**E-mail: lakshmeeswari.gondi@gitam.edu**

#### Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

### Coordinators

**Dr. R. Padmavathy**  
**Asst. Prof, Dept of CSE**  
**National Institute of Technology**  
**WARANGAL-506004**

**Dr. G. Lakshmeeswari**  
**Asst. Professor**  
**Dept of CSE, GIT**  
**Visakhapatnam-530045**