

## **“TS - Certified Cyber Security Professional (TS-CCSP)”**

### **Are you TS-CCSP????**

**TMU, THE INDIA'S ONLY UNIVERSITY TO LAUNCH P.G, DEGREE, DIPLOMA & CERTIFICATE LEVEL COURSES ON "CYBER SECURITY & ETHICAL HACKING" WITH THE COLLABORATION OF SEDULITY SOLUTIONS & TECHNOLOGIES"**

#### **Preface:**

Tilak Maharashtra University (TMU) is a leading deemed University, which specializes in the educational activities and degree programs. [Sedulity Solutions & Technologies \(SST\)](#) is imparting technical education in Computer Science and many engineering courses of higher level, and aims at providing Hi-Tech Industrial training programs to the students on the terms and conditions mentioned in the memorandum.

#### **Benefits to Students:**

This joint certification program will result for the following benefits of the students:

- Introduction of this industrial and project oriented course will give a sense of relief to the students that they do not have to waste their time in search of proposed quality courses outside.
- Induction of such Latest, Hi-Tech, Industrial, and Professional course will give an industrial exposure to all the Students.
- Students will be able to analyze the security Countermeasures in depth which is required most in Industry now a day.
- They'll become more technically strong so that they'll be able to deliver the best at the time of their interviews.
- Will depth knowledge of the course contents as defined by SST, which is highly valuable and appreciated by most of the engineering colleges.
- Mentorship & Guidance.
- Online E-Books/ Internet facilities for their research work.
- Professional, Industrial and Co-operative Environment.
- Guidelines to work on live Projects.
- Placement Support.

#### **Purpose:**

In today's Computer Modernization, where all the sectors are getting depended on computers & internet, it becomes very crucial for every sector to secure its Confidential Data/Information from the professional crackers. Cyber Crime is also rising up day-by-day and on the basis of this new concept of “Cyber Security” comes up into the picture and it’s also in boom. Apart from this it is necessary to start working for our Nation by learning this new Technology to provide Optimum Security with lots of Ethics, because every now and then we get to know about different Cyber Attacks from other countries. This field has lot of opportunities regarding

placements as well. This technology helps those individuals who have the passion to work for Cyber Security.

***Courses offered through TS-CCSP Programme:***

| <b>Name of Course</b>             | <b>Code</b> | <b>Duration</b> | <b>Mode</b>  | <b>Fees</b> |
|-----------------------------------|-------------|-----------------|--------------|-------------|
| Certificate in Cyber Security     | CCS         | 3 Months        | Conventional | 4000 /-     |
|                                   |             |                 | Distance     | 3000/-      |
| Diploma in Cyber Security         | DCS         | 9 Months        | Conventional | 8000/-      |
|                                   |             |                 | Distance     | 7000/-      |
| Advance Diploma in Cyber Security | ADCS        | 18 Months       | Conventional | 12,000/-    |
|                                   |             |                 | Distance     | 10,000/-    |
| P. G. Diploma in Cyber Security   | PGDCS       | 18 Months       | Conventional | 12,000/-    |
|                                   |             |                 | Distance     | 10,000/-    |

**Registration:**

- Manual Registration Forms will be filled at both the counters of [Tilak Maharashtra University](#) & [Sedulity Solutions & Techologies](#).
- Online Registrations Forms will be filled either on SST or on TMU Website.

**Eligibility Criteria:**

- **Post Graduation:** Graduation in any discipline from recognized School/ University.
- **Advance Diploma:** 10+2/ Graduates/ Pursuing Graduation in any discipline from TMU.
- **Diploma:** 10<sup>th</sup> passed in any Discipline from recognized Board/ School/ College.
- **Certificate:** Basic knowledge of computers.

**Documents Required:**

- Two passport size photographs.
- Photocopy of the Degree or the final year mark sheet. (Attested by a Gazetted Officer)
- Photocopy of the High School Certificate for the verification of the Date of Birth, (Attested by a Gazetted Officer)

**Note:**

1. No admission test is required for any course.
2. Candidates appearing in final year of the qualifying examination can also apply for P.G., but they will have to produce the proof of passing examination Certificate within six months of the date of admission otherwise their admission would be cancelled without the refund of fee.

# **TS-CCSP**

## **Courses Offered:**

### **1. Name: Certificate in Cyber Security**

**Code:** CCS

**Duration:** 3 Months

**Mode:** Distance Education  
Conventional Education.

**Fees:** Distance mode: Rs. 3,000/-  
Conventional Mode: Rs. 4,000/-

**Eligibility:** \* Basic Knowledge of Computers/ Internet etc.

### **2. Name: Diploma in Cyber Security**

**Code:** DCS

**Duration:** 9 months

**Mode:** Distance Education  
Conventional Education.

**Fees:** Distance mode: Rs. 7,000/-  
Conventional Mode: Rs. 8,000/-

**Eligibility:** \* 10<sup>th</sup> Pass  
\* Good Knowledge in Computers/ Internet etc

### **3. Name: Advance Diploma in Cyber Security**

**Code:** ADCS

**Duration:** 18 months

**Mode:** Distance Education  
Conventional Education.

**Fees:** Distance mode: Rs. 10,000/-  
 Conventional Mode: Rs. 12,000/-

**Eligibility:** \* 12<sup>th</sup> Pass  
 \* Good Knowledge in Computers/ Internet etc

**4. Name: Post Graduation Diploma in Cyber Security**

**Code:** PGDCS

**Duration:** Min. 18 months

**Mode:** Distance Education  
 Conventional Education

**Fees:** Distance mode: Rs. 10,000/-  
 Conventional Mode: Rs. 12,000/-

**Eligibility:** \* Bachelor’s Degree in any stream.  
 \* Good Knowledge in Computers/ Internet etc.

**Note:**

1.1 Candidates appearing in final year of the qualifying examination can also apply for P. G. D. C. S., but they will have to produce the proof of passing examination Certificate within six months of the date of admission otherwise their admission would be cancelled without the refund of fee.

**Course Details:**

**Certificate in Cyber Security** (3 Months)

| <b>Course</b> | <b>Course Title</b>                        | <b>Credits</b> |
|---------------|--|----------------|
| CCS-001       | Basics of Networking                       | 2              |
| CCS -002      | Intro. Of Cyber Security & Ethical Hacking | 2              |
| CCS -003      | Information Gathering                      | 2              |
| CCS -004      | Email Hacking & Countermeasures            | 2              |
| CCS -005      | Operating System Attacks                   | 2              |
| CCS -006      | Application Attacks                        | 2              |
| CCS -007      | Malware Attacks & Countermeasures          | 2              |
| CCS -008      | Network Attacks                            | 2              |
| CCS -009      | Cryptography With Different Applications   | 2              |
| CCS -010      | IDS & Firewalls                            | 2              |
| CCS -011      | Reverse Engineering & Cracking Techniques  | 2              |

|          |                       |           |
|----------|-----------------------|-----------|
| CCS -012 | Assignments / Project | 8         |
|          | <b>Total</b>          | <b>30</b> |

**Examination:**

- Students will have to appear for an Online/ Conventional Exam for First 22 Credits.
- They'll also have to submit Two Assignments separately for 4 credits each total 8 credits.
- 26 Hrs will be provided for Distance Education Student in case of CCS in weekends.

*Total: 30 Credits.*

**Diploma in Cyber Security** (9 Months)

| <b><u>SEMESTER-I</u></b> |  |                |
|--------------------------|--|----------------|
| <b>Course</b>            | <b>Course Title</b>                        | <b>Credits</b> |
| CCS-001                  | Basics of Networking                       | 2              |
| CCS -002                 | Intro. Of Cyber Security & Ethical Hacking | 2              |
| CCS -003                 | Information Gathering                      | 2              |
| CCS -004                 | Email Hacking & Countermeasures            | 2              |
| CCS -005                 | Operating System Attacks                   | 2              |
| CCS -006                 | Application Attacks                        | 2              |
| CCS -007                 | Malware Attacks & Countermeasures          | 2              |
| CCS -008                 | Network Attacks                            | 2              |
| CCS -009                 | Cryptography With Different Applications   | 2              |
| CCS -010                 | IDS & Firewalls                            | 2              |
| CCS -011                 | Reverse Engineering & Cracking Techniques  | 2              |
| CCS -012                 | Assignments / Project                      | 8              |
|                          | <b>Total</b>                               | <b>30</b>      |

| <b><u>SEMESTER-II</u></b> |  |                |
|---------------------------|--|----------------|
| <b>Course</b>             | <b>Course Title</b>  | <b>Credits</b> |
| DCS-001                   | IT ACT 2000 & AMMENDMENTS                                  | 2              |
| DCS-002                   | Case Studies for Cyber Security & Ethical Hacking          | 2              |
| DCS-003                   | PC Auditing & Facing Malwares                              | 2              |
| DCS-004                   | Linux Essentials   | 2              |
| DCS-005                   | Web Based Vulnerabilities and Attacks                      | 2              |
| DCS-006                   | Financial Frauds   | 2              |
| DCS-007                   | Technical Attacks on Wireless, Database, Network & others. | 2              |
| DCS-008                   | Penetration Testing  | 2              |
| DCS-009                   | Introduction for Cyber Forensics                           | 2              |
| DCS-010                   | Assignments  | 4              |
| DCS-011                   | Project  | 8              |
|                           | <b>Total</b>   | <b>30</b>      |

Examination:

- Students will have to appear for an Online/ Conventional Exam for First 18 Credits.
- They'll also have to submit Two Assignments separately for 2 credits each total 4 credits.
- Students will make a project and submit it at the end of their course which carries 8 Credits.
- 50 Hrs will be provided for Distance Education Student in case of CCS in weekends.

**Total: 60 Credits.**

### **Advance Diploma in Cyber Security** (18 Months)

| <b>SEMESTER-I</b> |  |                |
|-------------------|--|----------------|
| <b>Course</b>     | <b>Course Title</b>                        | <b>Credits</b> |
| CCS-001           | Basics of Networking                       | 2              |
| CCS -002          | Intro. Of Cyber Security & Ethical Hacking | 2              |
| CCS -003          | Information Gathering                      | 2              |
| CCS -004          | Email Hacking & Countermeasures            | 2              |
| CCS -005          | Operating System Attacks                   | 2              |
| CCS -006          | Application Attacks                        | 2              |
| CCS -007          | Malware Attacks & Countermeasures          | 2              |
| CCS -008          | Network Attacks                            | 2              |
| CCS -009          | Cryptography With Different Applications   | 2              |
| CCS -010          | IDS & Firewalls                            | 2              |
| CCS -011          | Reverse Engineering & Cracking Techniques  | 2              |
| CCS -012          | Assignments / Project                      | 8              |
|                   | <b>Total</b>                               | <b>30</b>      |

| <b>SEMESTER-II</b> |  |                |
|--------------------|--|----------------|
| <b>Course</b>      | <b>Course Title</b>  | <b>Credits</b> |
| DCS-001            | IT ACT 2000 & AMMENDMENTS                                  | 2              |
| DCS-002            | Case Studies for Cyber Security & Ethical Hacking          | 2              |
| DCS-003            | PC Auditing & Facing Malwares                              | 2              |
| DCS-004            | Linux Essentials   | 2              |
| DCS-005            | Web Based Vulnerabilities and Attacks                      | 2              |
| DCS-006            | Financial Frauds   | 2              |
| DCS-007            | Technical Attacks on Wireless, Database, Network & others. | 2              |
| DCS-008            | Penetration Testing  | 2              |
| DCS-009            | Introduction for Cyber Forensics                           | 2              |
| DCS-010            | Assignments  | 4              |
| DCS-011            | Project  | 8              |
|                    | <b>Total</b>   | <b>30</b>      |

| <b><u>SEMESTER-III</u></b> |   |                |
|----------------------------|---|----------------|
| <b>Course</b>              | <b>Course Title</b>                         | <b>Credits</b> |
| PGD-001                    | Cyber Forensics & Cyber Crime Investigation | 2              |
| PGD-002                    | Cyber Laws                                  | 2              |
| PGD-003                    | Digital Evidence & Frauds                   | 2              |
| PGD-004                    | Mobile Frauds & Countermeasures             | 2              |
| PGD-005                    | Forensic Data Acquisition/ Data Recovery    | 2              |
| PGD-006                    | Operating System Forensics                  | 2              |
| PGD-007                    | Case Studies                                | 2              |
| PGD-008                    | Assignments/ Live Case                      | 6              |
| PGD-009                    | Project                                     | 8              |
| PGD-010                    | Viva  | 2              |
|                            | <b>Total</b>                                | <b>30</b>      |

**Examination:**

- Students will have to appear for an Online/ Conventional Exam for First 14 Credits.
- They'll also have to submit Two Assignments for 3 credits each/ One Live Case separately for total 6 credits.
- Students will make a Project and submit it separately along with the Viva which carries 10 Credits.
- 72 Hrs will be provided for Distance Education Student in case of CCS in weekends.

**Total: 100 Credits.**

**P.G. Diploma in Cyber Security (18 Months)**

| <b><u>SEMESTER-I</u></b> |  |                |
|--------------------------|--|----------------|
| <b>Course</b>            | <b>Course Title</b>                        | <b>Credits</b> |
| CCS-001                  | Basics of Networking                       | 2              |
| CCS -002                 | Intro. Of Cyber Security & Ethical Hacking | 2              |
| CCS -003                 | Information Gathering                      | 2              |
| CCS -004                 | Email Hacking & Countermeasures            | 2              |
| CCS -005                 | Operating System Attacks                   | 2              |
| CCS -006                 | Application Attacks                        | 2              |
| CCS -007                 | Malware Attacks & Countermeasures          | 2              |
| CCS -008                 | Network Attacks                            | 2              |
| CCS -009                 | Cryptography With Different Applications   | 2              |
| CCS -010                 | IDS & Firewalls                            | 2              |
| CCS -011                 | Reverse Engineering & Cracking Techniques  | 2              |
| CCS -012                 | Assignments / Project                      | 8              |
|                          | <b>Total</b>                               | <b>30</b>      |

| <b><u>SEMESTER-II</u></b> |  |                |
|---------------------------|--|----------------|
| <b>Course</b>             | <b>Course Title</b>  | <b>Credits</b> |
| DCS-001                   | IT ACT 2000 & AMMENDMENTS                                  | 2              |
| DCS-002                   | Case Studies for Cyber Security & Ethical Hacking          | 2              |
| DCS-003                   | PC Auditing & Facing Malwares                              | 2              |
| DCS-004                   | Linux Essentials   | 2              |
| DCS-005                   | Web Based Vulnerabilities and Attacks                      | 2              |
| DCS-006                   | Financial Frauds   | 2              |
| DCS-007                   | Technical Attacks on Wireless, Database, Network & others. | 2              |
| DCS-008                   | Penetration Testing  | 2              |
| DCS-009                   | Introduction for Cyber Forensics                           | 2              |
| DCS-010                   | Assignments  | 4              |
| DCS-011                   | Project  | 8              |
|                           | <b>Total</b>   | <b>30</b>      |

| <b><u>SEMESTER-III</u></b> |   |                |
|----------------------------|---|----------------|
| <b>Course</b>              | <b>Course Title</b>                         | <b>Credits</b> |
| PGD-001                    | Cyber Forensics & Cyber Crime Investigation | 2              |
| PGD-002                    | Cyber Laws                                  | 2              |
| PGD-003                    | Digital Evidence & Frauds                   | 2              |
| PGD-004                    | Mobile Frauds & Countermeasures             | 2              |
| PGD-005                    | Forensic Data Acquisition/ Data Recovery    | 2              |
| PGD-006                    | Operating System Forensics                  | 2              |
| PGD-007                    | Case Studies                                | 2              |
| PGD-008                    | Assignments/ Live Case                      | 6              |
| PGD-009                    | Project                                     | 8              |
| PGD-010                    | Viva  | 2              |
|                            | <b>Total</b>                                | <b>30</b>      |

**Examination:**

- Students will have to appear for an Online/ Conventional Exam for First 14 Credits.
- They'll also have to submit Two Assignments for 3 credits each/ One Live Case separately for total 6 credits.
- Students will make a Project and submit it separately along with the Viva which carries 10 Credits.
- 72 Hrs will be provided for Distance Education Student in case of CCS in weekends.

**Total: 90 Credits.**