

POST GRADUATION REQUIREMENT (2021-22)

Batch: 2021

Ph.D. (Information Technology)



Department of Information Technology
College of Technology
G.B. Pant University of Agriculture of
Technology Pantnagar-263145 (Uttarakhand)

POST GRADUATION REQUIREMENT (2021-22)

PH.D. (Information Technology)

Core Courses (12 Credits)

| Sr. No. | Course Code | Course Title | Credits(L-T-P) |
|----------------------|-------------|-----------------------------------|----------------|
| 1. | TIT-701 | Advanced Information Security | 3(2-0-1) |
| 2. | TIT-702 | Advances in E-Commerce Strategies | 3(2-0-1) |
| 3. | TIT-703 | Modeling and Simulation | 2(1-0-1) |
| 4. | TIT-788 | Doctoral Seminar-I | 1 |
| 5. | TIT-789 | Doctoral Seminar-II | 1 |
| 6. | TIT-619 | Cyber Crime & Information War | 2(2-0-0) |
| TOTAL CREDITS | | | 12 |

Basic Supporting Courses (4 Credits)

| Sr. No. | Course Code | Course Title | Cr.(L-T-P) |
|----------------------|-------------|-------------------------|------------|
| 1. | BHS-652 | Research Methodology-I | 1(1-0-0) |
| 2. | BPS-653 | Research Methodology-II | 3(2-0-1) |
| TOTAL CREDITS | | | 4 |

Optional Courses (4 Credits)

Minor Courses (10 Credits)

Compulsory courses for Minor for other Discipline

| Sr. No | Course Code | Course Title | Cr.(L-T-P) |
|----------------------|-------------|----------------------------------|------------|
| 1. | TIT-618 | Web Technologies | 2(1-0-1) |
| 2. | TIT-620 | Information Storage & Management | 2(2-0-2) |
| TOTAL CREDITS | | | 4 |

Thesis Research (45 Credits)

| Sr. No. | Course Code | Course Title | Cr.(L-T-P) |
|---------|-------------|-----------------------|------------|
| 1. | TIT-790 | PH.D. THESIS RESEARCH | 45 |

List of Optional / Minor Courses

| S No | Course No. | Course Title | Credit hours |
|-------------|-------------------|------------------------------------|---------------------|
| | TIT-601 | Special Problem | 1(0-0-1) |
| | TIT-610 | Network Management and Security | 3(2-0-1) |
| | TIT-611 | Adhoc & Sensor Networks | 3(2-0-1) |
| | TIT-612 | Intellectual Property Rights | 2(2-0-0) |
| | TIT-613 | Advanced Distributed Computing | 3(2-0-1) |
| | TIT-614 | Advanced Multimedia Technology | 3(2-0-1) |
| | TIT-615 | Software Reusability | 2(2-0-0) |
| | TIT-616 | Software Testing | 2(1-0-1) |
| | TIT-617 | Advanced Database Technology | 2(2-0-0) |
| | TIT-618 | Web Technologies | 2(1-0-1) |
| | TIT-619 | Cyber Crime & Information War | 2(2-0-0) |
| | TIT-620 | Information Storage & Management | 2(2-0-0) |
| | TIT-621/TEC-671* | Advanced Communication Theory | 2(2-0-0) |
| | TIT-622 | Bioinformatics | 2(2-0-0) |
| | TIT-623 | Information Theory | 2(2-0-0) |
| | TIT-624 | Advanced Data mining & Warehousing | 3(2-0-1) |

