

# VIIT CRASH COURSES



**Vidya Pratishthan's**  
Institute of Information Technology

We Shape Tomorrow...Today



**NAAC**  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL

'A'  
GRADE



Vidya Pratishthan's Institute of Information Technology (VIIT) was established in February 2000 at Baramati with an aim to provide quality education in the field of Information Technology and Management. In these years, VIIT is proved to be one of the best IT institutes conducting various Post Graduate Programs.

VIIT offers courses like MCA and MBA affiliated to Savitribai Phule Pune University and recognized by AICTE, New Delhi. VIIT provides state-of-the-art infrastructure and amenities for students. VIIT has a network of more than 350 computers powered with Gigabit Fiber Optic Cable. Two boys' hostels and six girls' hostels enjoy the connectivity to main servers of VIIT. These hostels have a capacity to accommodate more than 1000 students. Computerized library, Five Computer Labs with capacity of 60 each and well equipped auditorium, are the unique rudiments of VIIT.

The teaching staff at VIIT is highly experienced and qualified. Diversified student driven activities are conducted by the faculty.

Vidya Pratishthan's  
Institute of Information Technology (VIIT),  
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<p><b>Eligibility : Any Graduates.</b> <b>Duration : 30 Hrs.</b> <b>Timing : 9 00 pm to 5.00 pm.</b> <b>(Friday &amp; Saturday)</b> <b>(Per course with practical exposure- An Extensions Activity)</b> <b>Additional inputs: Soft Skills for Carrer</b></p>	<p><b>Software Testing using Selenium</b></p> <ul style="list-style-type: none"> <li>◆ Fundamentals of Software Testing</li> <li>◆ Various Software Testing Levels</li> <li>◆ Software Test Planning</li> <li>◆ Test Case Designing</li> <li>◆ Defect Tracking</li> <li>◆ Object Oriented Testing &amp; Web Testing</li> <li>◆ Case Studies on Software Testing</li> <li>◆ Practical Exposure Automated Tool - Selenium</li> </ul>	<p><b>Introduction to Entrepreneurship</b></p> <ul style="list-style-type: none"> <li>◆ Introduction to the concept</li> <li>◆ The different paths you can take</li> <li>◆ Core concepts &amp; frameworks</li> <li>◆ Validating your idea and Fundraising</li> <li>◆ Introduction to Idea Generation</li> <li>◆ Laying the groundwork</li> <li>◆ Ways of coming up with ideas</li> <li>◆ Business models</li> </ul>
<p><b>Ethical Hacking</b></p> <ul style="list-style-type: none"> <li>◆ Introduction to Computer Networks</li> <li>◆ Building Hacking Environment!</li> <li>◆ Create a bootable USB of Kali Linux</li> <li>◆ Installing VirtualBox</li> <li>◆ Tor, Proxychains, VPN, MAC changer, Footprint-ing, Attacking Wireless Networks</li> <li>◆ Signal Jamming, SSL Strips,</li> <li>◆ Clone wireless access points to steal data.</li> </ul>	<p><b>Bootstrap</b></p> <ul style="list-style-type: none"> <li>◆ Introduction</li> <li>◆ Installation</li> <li>◆ Using Grid and Typography</li> <li>◆ Using Tables, Images and Buttons</li> <li>◆ Using Graphics</li> <li>◆ Bootstrap Pagination and Forms</li> <li>◆ Practical sessions</li> </ul>	<p><b>Project Management with Microsoft Project</b></p> <ul style="list-style-type: none"> <li>◆ Introduction to MS project and CPM</li> <li>◆ Understanding various Options and Menus</li> <li>◆ Creating Work Breakdown Structure</li> <li>◆ Setting Up Tasks, and Resources</li> <li>◆ Assigning Resources and Milestones</li> <li>◆ Activity duration and Costs Estimation</li> <li>◆ Finalizing the Project Plan and Tracking</li> <li>◆ Earned Value Analysis and Management</li> </ul>
<p><b>Statistical Package for Social Sciences(SPSS)</b></p> <ul style="list-style-type: none"> <li>◆ Basic Statistics</li> <li>◆ Measure of Central tendency &amp; measure of dispersion</li> <li>◆ Data representation using tables and graphs.</li> <li>◆ Simple correlation and simple regression analysis</li> <li>◆ Introduction to hypothesis testing</li> <li>◆ Practical sessions</li> </ul>	<p><b>Android Application Development using Web Services</b></p> <ul style="list-style-type: none"> <li>◆ Android Introduction and Configuration</li> <li>◆ Designing the User Interface</li> <li>◆ Intents and other Widgets</li> <li>◆ Form Designing:</li> <li>◆ SQLite and Creating Web Services</li> <li>◆ Practical sessions</li> </ul>	<p><b>Data Analysis Essentials Using Excel</b></p> <ul style="list-style-type: none"> <li>◆ Getting Acclimated with EXCEL - Foundations</li> <li>◆ Basic EXCEL Formulas &amp; Functions - Foundations</li> <li>◆ Text, Times, and Dates Data Formats - Foundations</li> <li>◆ Introduction to Statistics in EXCEL - Foundations</li> <li>◆ Handling Data in EXCEL and Pivot Tables</li> <li>◆ Introduction to Charts in Excel</li> <li>◆ Hypothesis testing and Case Studies</li> </ul>
<p><b>Machine Learning: Hands-On Python &amp; R in Data Science</b></p> <ul style="list-style-type: none"> <li>◆ Data Preprocessing</li> <li>◆ Regression</li> <li>◆ Classification</li> <li>◆ Clustering</li> <li>◆ Association Rule Learning</li> <li>◆ Reinforcement Learning</li> <li>◆ NLP</li> <li>◆ Deep Learning</li> <li>◆ Dimensionality</li> <li>◆ Model Selection &amp; Boosting</li> </ul>	<p><b>Anxiety Management</b></p> <ul style="list-style-type: none"> <li>◆ Module1:The Stress Factor:</li> <li>◆ Module 2: Getting a Grounded Understanding Of Stress</li> <li>◆ Module 3: Stressology: An Alternative Approach to Stress Prevention</li> <li>◆ Module 4: Understanding Stress From The Inside-Out</li> <li>◆ Module 5: The Common Relational Elements of Stress</li> </ul>	<p><b>Google Analytics</b></p> <ul style="list-style-type: none"> <li>◆ Module 1 : Setup &amp; Configuration</li> <li>◆ Module 2 : Getting Acquainted</li> <li>◆ Module 3 : Standard Reporting</li> <li>◆ Module 4 : Custom Reporting</li> </ul>
<p><b>Lean Six Sigma Green /Black Belt</b></p> <ul style="list-style-type: none"> <li>◆ Module 1: Define</li> <li>◆ Module 2: Measure</li> <li>◆ Module 3: Analyze</li> <li>◆ Module 4: Improve</li> <li>◆ Module 5: Control</li> </ul>	<p><b>Time Management</b></p> <ul style="list-style-type: none"> <li>◆ Module 1: Introduction to Time Management</li> <li>◆ Module 2: Leveraging Time Management Strategies</li> <li>◆ Module 3: Time Sucks and What to do About Them</li> <li>◆ Module 4: Time Management Lessons Learned</li> </ul>	<p><b>Life Coaching</b></p> <ul style="list-style-type: none"> <li>◆ Introduction: Life Coaching</li> <li>◆ The Self-Awareness &amp; Emotional Intelligence</li> <li>◆ The Core Beliefs Section</li> <li>◆ Core Values &amp; Understanding Human Behaviour</li> <li>◆ Core Communication Skills and Language Patterns</li> <li>◆ Relationship &amp; People Principles</li> <li>◆ The Client Work &amp; Goal Setting Section</li> <li>◆ Business Development &amp; Coaching Principles</li> <li>◆ The Seven Step Life Coaching Framework</li> </ul>