

Shri Vaishnav Vidyapeeth Vishwavidyalaya



IMPETUS

B.Tech. Computer Science Engineering

with Specialization in Big Data and Cloud Engineering

(In association with IMPETUS Technologies Pvt. Ltd.)

- Impetus Technologies is a software products and services company focused on creating powerful and intelligent enterprises through deep data awareness, data integration and advanced data analytics.
- Impetus has been recognized among the top 20 Dream Companies To Work For in India for 2020. Impetus secured this prestigious recognition for the sixth time in succession while progressing through the ranks with each passing year. Also awarded for Top 25 India's Best Workplaces: IT - ITBPM, 2019 AWARD. Impetus has been recognized among “Asia’s Dream Companies To Work For” for 2019.

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- Impetus has partnered with such Fortune 100 clients as American Express, Bank of America, Capital One, Fannie Mae, McKesson, Toyota, United Airlines, Verizon and more. The company is headquartered in Los Gatos, California (USA) with international offices in India (Noida, Gurgaon, Indore & Bengaluru), Australia and Canada.

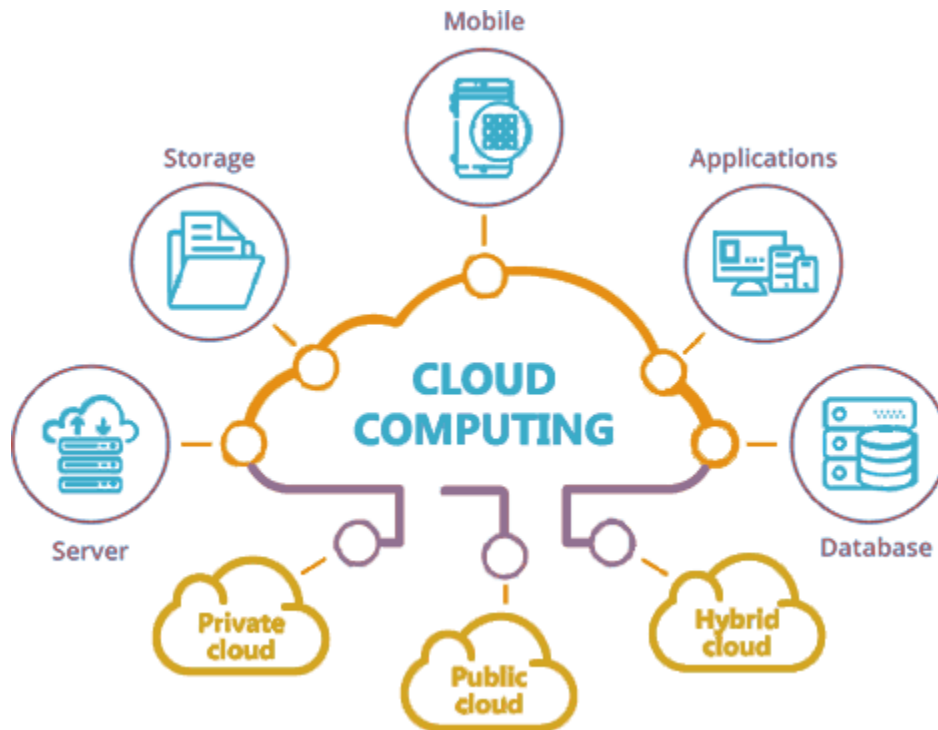
About the Program

With recent development and growth in digitalization, the computer-based solutions are getting more automatic and intelligent. Nowadays, intelligent technology and human ingenuity are applied in the core of each and every process and functions of the business to address complex challenges.

SVVV introducing the specialization in Big Data & Cloud Engineering in association with Impetus Technologies Pvt. Ltd. in CSE branch to enable students to expertise in recent trends in technologies confidently and responsibly.

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CLOUD ENGINEERING



In today's dynamic business landscape, enterprises are increasingly looking to create cloud-based data lakes in order to realize greater speed, scalability, agility, and other business benefits. Cloud Engineering has become one of the most important topics of conversation among the IT community. Cloud Engineering is used by many businesses, whose employees and customers could access their data with a variety of Internet-connected devices. This way, these businesses don't have to build and run their own data centers, which can be way more expensive. This course prepares students to understand the emerging technologies of Cloud

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Engineering, their principles, modeling, analysis, design, deployment, and industry-oriented applications.

This Specialization Program prepares students to understand the

- **Emerging Technologies of Cloud Engineering**
- **Principles, modeling, analysis, design, deployment, and industry-oriented applications**
- **Major solution architectures and enabling technologies**
- **Developing of applications and services**

BIG DATA

The concept of big data has been around for years; most organizations now understand that if they capture all the data that streams into their businesses, they can apply analytics and get significant value from it. The new benefits that big data analytics brings to the table, however, are speed and efficiency. Today business can identify insights for immediate decisions. The ability to work faster – and stay agile – gives organizations a competitive edge they didn't have before.

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Big data analytics can help organizations to better understand the information contained within the data and will also help identify the data that is most important to the business and future business decisions.

The major goal of this specialization program is to impart knowledge on techniques and theories related to Big Data which includes statistics, data mining, data warehousing and data visualization. This course will be useful to students to develop and deploy their skills to achieve a thorough knowledge in Data Science.

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Tremendous amount of data get generated continuously which needs to be segregated, analyzed for decision, predictions and transformed into actions. The undergraduate program aims to provide all necessary tools to process and analyses Bigdata in information generating systems and transform the students into knowledgeable professionals with following aspects:-

- Segregate the useful data
- Understand the knowledge contained in the data
- Apply the gained knowledge for arriving at decisions which at times become important and crucial.
- Design and develop systems for information processing, analysis and leading to appropriate predictions and actions.

Specialization Program includes following benefits:

- Industry Relevant curriculum jointly developed with academicians and IMPETUS Professionals
- Skilling students in depth with concepts leading to specialization
- Curriculum caters to various skill requirements of organization worldwide including Banks, Computer Services, Education, Healthcare, Insurance, Manufacturing, Retail and other industries.

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- Business Analytics and Cloud Engineering Lab setup at SVVV.
- Latest software content, real-world industry experiences, hands on lab courses, best practices and case studies for the participants.
- Access to various IMPETUS centers for live industry experience.
- Opportunity to visit IMPETUS centers for live industry experience.
- Opportunity to participate in various National/International award winning contests.
- Placement drive by IMPETUS Technologies Pvt. Ltd.

**Job prospects in future after Completing B.Tech.(CSE) with
specialization in Big Data & Cloud Engineering associated with
IMPETUS**

Taking into account this demand would require a huge supply of data researchers. As per Team Lease Services – a staffing arrangements company – by 2020, India will confront a demand-supply hole of 2,00,000 analytic data experts and cloud engineers. According to the statistics provided by the Market Research Media, the worldwide market for Cloud Computing is likely to grow at a CAGR of 30% to

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reach US\$ 270 billion through the year 2020. Considering the cutting-edge innovations and new industry-specific applications, Cloud Computing is fast emerging as an essential component of an enterprise's IT framework. The Cloud Computing industry requires professionals with adept training and knowledge in both technical and managerial fields.

- The demand for Cloud based technology and Big Data Analysis skill is going up steadily but there is a huge deficit on the supply side. This is happening globally and is not restricted to any part of geography.
- Cloud Engineering and Big Data are trending technology today.
- Shortage of required skill made it very demanding.
- Opportunity to face interviews & sit in placement drives by various reputed IT companies like IMPETUS, etc.

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Job Opportunities

There are a number of roles for Big Data and Cloud Engineering specialist, these include:

Java Micro services Cloud Developer	Cloud Engineer	Cloud Operations Engineer
Cloud DevOps Engineer	Cloud Software Engineer	AWS Architect - Cloud Engineer
Cloud Support Engineer	Database Administrator	Database Developer
Data Analyst	Data Scientist	Big Data Engineer
Data Modeler	Data Architect	Data Warehouse Manager
Database Manager	Big Data Tester	Business Intelligence Analyst
Research scientists	Software Engineer	Software Development Manager
Java Developer	Software Analyst	

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Annual Package

After this course annual package may be vary from approx Rs 600000/- to Rs 800000/- depends upon deserving candidates on their level of knowledge gained. Similar to all other IT jobs, jobs in the Cloud Engineering & Big Data Analytics stream involve considerably high pay packages. Even the entry level jobs receive good packages, making the sector more attractive for ambitious professionals.

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ANNOUNCES ADMISSIONS 2020-21

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B.Tech in Computer Science & Engineering with Specialization in Big Data & Cloud Engineering (In association with Impetus Technologies India Pvt. Ltd.) - 04 Yrs

- Industry Relevant curriculum jointly developed with academicians and IMPETUS Professionals.
- Courseware, books and material for students jointly prepared with academicians and IMPETUS Professionals.
- Curriculum caters to various skill requirements of organizations, worldwide including Banks, Computer Services, Education, Healthcare, Insurance, Retail and other industries.
- Training & Lecture sessions from the IMPETUS Subject experts professionals.
- Access to various and IMPETUS centers for live industry experience.
- Latest software content, real-world industry experiences, hands on lab courses, best practices and case studies for the participants.
- Opportunities to be placed in IMPETUS or its associates & other renowned software industries.
- **Carrier Opportunities:** Cloud Software Engineer/ Analyst, Cloud Network Architect/Planner, Cloud Developer/Programmer, Cloud Big Data Analytics Business Consultant, Big Data Analytics Architect, Big Data Engineer / Analyst, Big Data Solution Architect, Analytics Associate, Business Intelligence and Analytics Consultant, Metrics and Analytics Specialist, Systems / Network Engineer.



For more details contact us on: 9993390764 / 7000447213

For more details visit: www.svvv.edu.in

Registration link: <https://svvvadmission.mastersofterp.in>

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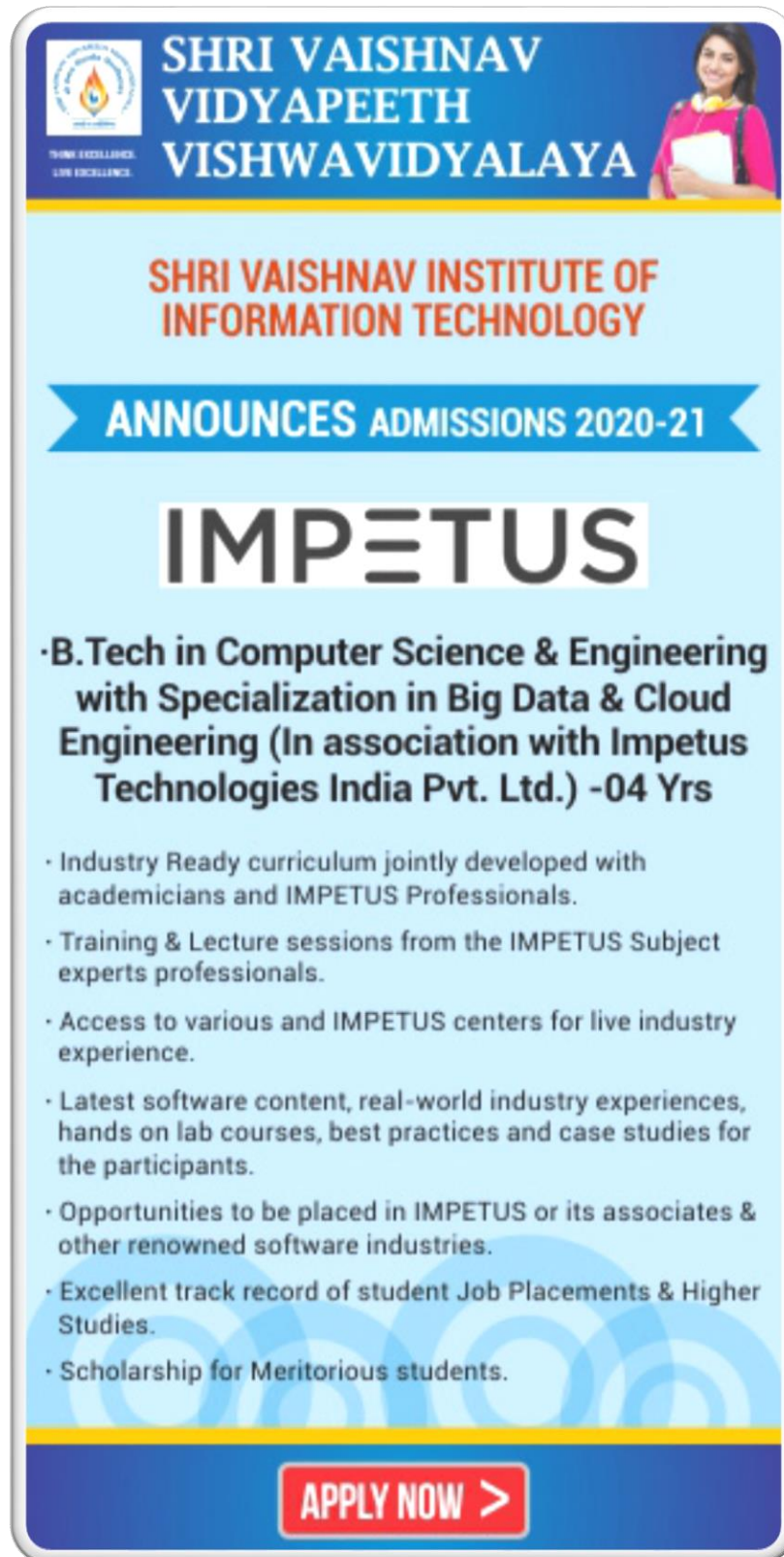
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Analytics Consultant, Metrics and Analytics Specialist, Systems / Network Engineer, Big Data Solution Architect, Analytics Associate, Business Intelligence and Analytics Consultant, Metrics and Analytics Specialist, Systems / Network Engineer, Business Consultant, Big Data Analytics Architect, Big Data Engineer / Analyst, Big Data Analytics Business Consultant, Big Data Analytics Architect, Big Data Engineer / Analyst, Big Data Solution Architect, Analytics Associate, Business Intelligence and Analytics Consultant, Metrics and Analytics Specialist, Systems / Network Engineer.

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**·B.Tech in Computer Science & Engineering
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Engineering (In association with Impetus
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- Training & Lecture sessions from the IMPETUS Subject experts professionals.
- Access to various and IMPETUS centers for live industry experience.
- Latest software content, real-world industry experiences, hands on lab courses, best practices and case studies for the participants.
- Opportunities to be placed in IMPETUS or its associates & other renowned software industries.
- Excellent track record of student Job Placements & Higher Studies.
- Scholarship for Meritorious students.

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