

Importance of Workshop

smoothly. reliable engine that keeps everything running comes to Full Stack Development, there's one Stack Development has become a crucial skill tool that really stands out: Java. It's like a world, that means building everything a website where new ideas are always popping up, Full In the fast-changing world of web development, hidden stuff that makes it work. And when it needs, from what you see on the screen to all the whole meal from start to finish. In the web It's like being a master chef who can prepare a

Speakers

The resource persons present were:

- Fortune, Bengaluru 1. Mrs.Amrutha M K,Technical Head,Tech
- 2.Dr. Vidya A, Prof&Head, CSE,VKIT,
- 3. Dr. Nethravathi, Prof&Head, ISE,VKIT,
- 4. Smt.Kusuma,Asst.Professor,ISE,VKIT,

Registration Fee

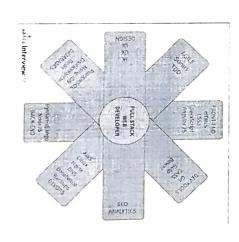
Registration is free for all Branches CSE/ISE/ ECE/Civil/Mechanical

Venue

CSE/ISE Block

IMPORTANT DATES

Last date to submit the registration form is 15.11.2020



VIVEKANANDA INSTITUTE OF **TECHNOLOGY**

REGISTRATION FORM

WORKSHOP

"Full Stack Development Java"

16th to 20th November 2020

- Name USN
- E-mail ID
- Phone (M)

Date:

Signature of the applicant



Vivekananda intelesto of Technology Gudimavu, Kumbalanada,

BENGALURU 550 0/4

CHIEF PATRON Mr. H.C. Balakrishna President, JES

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Chairman, VKIT

Smt Indira Gonalkrish

Smt. Indira Gopalkrishna Vice – Chairman, GC, VKIT

Dr.Kumar Kenchegowda Principal, VKIT

CONVENER
Dr.N P. Nethravathi, HOD, ISE

COORDINATORS Mrs. Priyanka K V Mrs. Kusuma Mrs.Lakshmi Sahabadi

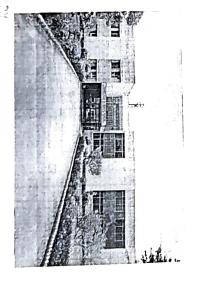
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Vivekananda Institute of Technology

Vivekananda Institute of Technology (VKIT) was founded in the year 1997 under the Management of Janatha Education Society (JES) which is established in the year 1972. The campus is spread over in 25 acres lush green land, located in Gudimavu and is about 2.5 kms from Bangalore-Mysore Highway. The College is affiliated to VTU, Belgaum, approved by AICTE, New Delhi and recognized by Government of Karnataka. The college offers six undergraduate programmes in IT branches and Postgraduates programmes like, MBA, M.Tech. The College provides separate hostel for boys and girls. The transportation facility is provided and staff and students from different parts of the Bangalore City.

About the Department

The Department of Information Science and Engineering aims to achieve quality in education and excellence in knowledge management through innovations, Problem solving, interdisciplinary collaboration and continuous improvement to meet the changing needs of society. It has well equipped laboratories and highly qualified faculty members.



VIVEKANANDA INSTITUTE OF TECHNOLOGY

WORKSHOP

16th to 20th November 2020

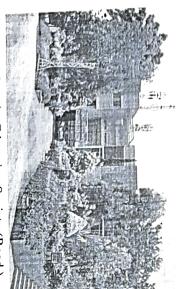
"Full Stack Development Java"

Organized by



Department of Information Science and Engineering And

Computer Science and Engineering In Association with Tech Fortune Technologies



Janatha Education Society (Regd.)
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Gudimavu, Kumbalagodu(Post)
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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

AND

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

This is inform to the 2nd year students that, CSE/ISE Department has been arranged the Workshop on "Full Stack Development Java" from 16th to 20th November 2020 at VKIT in association with Tech Fortune Technologies Bengaluru. All the students are hereby instructed to attend the Workshop and get the benefit of it.

*Attendance is mandatory.

With best regards

Dr. N.P. Nethravathi Prof. & Head

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshop on "Full Stack Development Java" From 16th to 20th November 2020

Schedule: Day 1

S1.No	Topics	Duration						
1	Introduction to JavaScript, Values and Data Types (Primitive Data Types)	9:30 AM to 10:30 AM						
	TEA BREAK (10:30 AM TO 10:45 AM)							
2								
	LUNCH BREAK (12:30 PM TO 1:00 PM)							
3								
	TEA BREAK (2:30 PM TO 2:45 PM)							
4	Switch Case, For Loop, Break, and Continue, Loop Structures (While and Do-While) and Hands on session(Contd.,)	2:45 PM to 4:30 PM						

Schedule: Day 2

Sl.No	Topics	Duration					
1	Functions in JavaScript, Arrays and Array Methods	9:30 AM to 10:30 AM					
	TEA BREAK (10:30 AM TO 10:45 AM)						
2	Object-Oriented Programming in JavaScript, Introduction to Java and Its Environment Variables	10:45 AM to 12:30 AM					
	LUNCH BREAK (12:30 PM TO 1:00 PM)						
3	Data Types in Java, Control Statements in Java, Object-Oriented Programming in Java						
	TEA BREAK (2:30 PM TO 2:45 PM)						
4	2:45 PM to 4:30 PM						

Schedule: Day 3

SI.No	Topics	Duration				
1	Introduction to Front-end Development, HTML and HTML5	9:30 AM to 10:30 AM				
	TEA BREAK (10:30 AM TO 10:45 AM)	1001111101015071111				
2	10:45 AM to 12:30 AM					
LUNCH BREAK (12:30 PM TO 1:00 PM)						
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3	Introduction to Bootstrap, Introduction to JavaScript and ES6,	1:00 PM to 2:30 PM
	TEA BREAK (2:30 PM TO 2:45 PM)	
4	DOM Manipulation and Events, Introduction to React.js and JSX.	2:45 PM to 4:30 PM

Schedule: Day 4

Sl.No	Topics	Duration				
1	Introduction to Back-end Development, Introduction to Node.js	9:30 AM to 10:30 AM				
	TEA BREAK (10:30 AM TO 10:45 AM)					
2	Setting up a Node.js Server, Node Package Manager (NPM),	10:45 AM to 12:30 AM				
	LUNCH BREAK (12:30 PM TO 1:00 PM)					
3	Express.js Framework, Building RESTful APIs with Node.js,	1:00 PM to 2:30 PM				
	TEA BREAK (2:30 PM TO 2:45 PM)					
4	Database Management and MongoDB and hands on session (cont)	2:45 PM to 4:30 PM				

Schedule: Day 5

Sl.No	Topics	Duration					
1	Version Control Systems and Git, Building a Full Stack	9:30 AM to 10:30 AM					
	Application,						
	TEA BREAK (10:30 AM TO 10:45 AM)						
2	Implementing User Authentication, Deploying Web Applications,	10:45 AM to 12:30 AM					
	Application Testing and Debugging						
	LUNCH BREAK (12:30 PM TO 1:00 PM)					
3	Cloud Computing and AWS Basics, AWS Elastic Beanstalk and	1:00 PM to 2:30 PM					
	AWS S3, AWS Lambda Functions and API Gateway.						
	TEA BREAK (2:30 PM TO 2:45 PM)						
4	Quiz was conducted	2:45 PM to 4:30 PM					

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING & DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref. No.: VKIT/ISE/workshop/2020-21/

Date: 20/11/2020

Report on "Full Stack Development Java"

Department of ISE&CSE has conducted Five days workshop on "Full Stack Development Java" in association with Tech Fortune, from $16^{th} - 20^{th}$ November 2020 at 8.30 AM for all final year students of VKIT. The session started with the introduction to the speaker and address speech was given by principal..

The resource persons present were:

- 1. Mrs. Amrutha M K, Technical Head, Tech Fortune, Bengaluru
- 2..Dr. Vidya A, Prof&Head, CSE, VKIT, Bengaluru
- 3. Dr. Nethravathi, Prof&Head, ISE, VKIT, Bengaluru
- 4. Smt. Kusuma, Assistant Professor, ISE, VKIT, Bengaluru

In the fast-changing world of web development, where new ideas are always popping up. Full Stack Development has become a crucial skill. It's like being a master chef who can prepare a whole meal from start to finish. In the web world, that means building everything a website needs, from what you see on the screen to all the hidden stuff that makes it work. And when it comes to Full Stack Development, there's one tool that really stands out: Java. It's like a reliable engine that keeps everything running smoothly.

Java Full Stack Development refers to the development of both front-end (client-side) and back-end (server-side) parts of a web application. This involves using Java programming language for server-side development, along with front-end technologies like HTML, CSS, JavaScript, and frameworks like Angular.

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

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Workshop on "Full Stack Development Java" From 16th to 20th November 2020

Course context and Overview:

Java Full Stack Development refers to the development of both front-end (client-side) and back-end (server-side) parts of a web application. This involves using Java programming language for server-side development, along with front-end technologies like HTML, CSS, JavaScript, and frameworks like Angular.

Objectives:

The objectives of the course are to have students identify and develop websites and applications, and they also interact with clients to gather requirements. The main duties and responsibilities of a Java full-stack developer are to: design back-end architecture using multiple technologies. Build front-end technologies to create user interfaces.

Learning Outcomes: Ability to

- 1. Use their learned skills, knowledge and abilities to develop web sites for the internet.
- 2. Apply basic design principles to present ideas, information, products, and services on websites.
- 3. Apply basic programming principles to the construction of websites.

Course Contents

Sl.No	Topic
1	Introduction to JavaScript, Values and Data Types (Primitive Data Types), Variables and Their Types, Literals, Variables, Constants, and Their Scope, Operators and Their Types, Conditional Statements (If, If-else, and nested if-else), type of and Ternary Operator, Switch Case, For Loop, Break, and Continue, Loop Structures (While and Do-While).
2	Functions in JavaScript, Arrays and Array Methods, Object-Oriented Programming in JavaScript, Introduction to Java and Its Environment Variables and Data Types in Java, Control Statements in Java, Object-Oriented Programming in Java, Exception Handling in Java.
3	Introduction to Front-end Development, HTML and HTML5, CSS and CSS3,
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	Responsive Web Design, Introduction to Bootstrap, Introduction to JavaScript and ES6, DOM Manipulation and Events, Introduction to React.js and JSX.
4	Introduction to Back-end Development, Introduction to Node.js, Setting up a Node.js Server, Node Package Manager (NPM), Express.js Framework, Building RESTful APIs with Node.js, Database Management and MongoDB.
5	Version Control Systems and Git, Building a Full Stack Application, Implementing User Authentication, Deploying Web Applications, Application Testing and Debugging, Cloud Computing and AWS Basics, AWS Elastic Beanstalk and AWS S3, AWS Lambda Functions and API Gateway.

References

- 1. Full-Stack JavaScript Development by Eric Bush.
- 2. Mastering Full Stack React Web Development Paperback April 28, 2017 by TomaszDyl , Kamil Przeorski , Maciej Czarnecki

Course Assessment and Evaluation Scheme: Quiz

Mode of Evaluation: Quiz

Course Coordinators:

Name	Designation	Department
Mrs. Kusuma	Assistant professor	ISE

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Workshop on "Full Stack Development Java" From $16^{th} - 20^{th}$ November 2020

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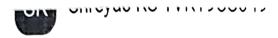
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Participants (20) Close



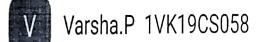






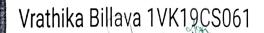


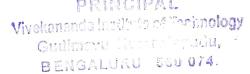












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This is to certify that

NAGARAJ

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20thNovember 2020.

Certificate Number:

TF2020001

Gudimayu Kumbalan Juli

Mallikarjun Kulkarni

Wallari Kulkarni

CEO, Tech Fortune



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CERTIFICATE OF ATTENDANCE

This is to certify that

ABHISHEK CHISHETTY

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20thNovember 2020.

Certificate Number:

TF2020002









ECH FORTUNE we stand for excellence

CERTIFICATE OF ATTENDANCE

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AISHWARYA A

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20thNovember 2020.

Certificate Number:

TF2020003

Mallikarjun Kulkarni

CEO, Tech Fortune





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This is to certify that

AKANKSHA N RAJ

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

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Mallikarjun Kulkarni CEO, Tech Fortune

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Certificate Number:

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Mallikarjun Kulkarni CEO, Tech Fortune







This is to certify that

AMOOLYA JAYARAM

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

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This is to certify that

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has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

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Mallikarjun Kulkarni CEO, Tech Fortune







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MANASA M

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

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Rangalore - 560 074

Mallikarjun Kulkarni

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CEO, Tech Fortune







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LAVANYA M

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

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Mallikarjun Kulkarni CEO, Tech Fortune

Wallari Kulkarni









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ANANYA VIJETHA B R

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

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Mallikarjun Kulkarni CEO, Tech Fortune

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CHETHAN

has successfully completed workshop on "Full Stack Development Java" at Vivekananda Institute of Technology in collaboration with Tech Fortune Technologies, Bangalore during the period 16th November to 20th November 2020.

Certificate Number:

TF2020010

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VEKANANDA INSTITUTE OF TECHNULOGE
PROCESSOR - 560 074

Mallikarjun Kulkarni CEO, Tech Fortune

Wallari Kulkarni



Importance Workshop

Python is commonly used for developing websites and software, task automation, data analysis, and data visualization. Since it's relatively easy to learn, Python has been adopted by many non-programmers such as accountants and scientists, for a variety of everyday tasks, like organizing finances.

Mobile app development with python helps in creating music and other types of audio and video applications. Since the internet is loaded with audio and video content, you can use Python for analyzing it all. Some Python libraries like PyDub and OpenCV also help in the successful completion of the app development.

Speakers:

The resource persons present were:

- 1. Dr. Naveen M, Director, ParvaM Consultech Pvt. Ltd., Bengaluru
- 2. Dr. Vidya A, Prof&Head, CSE,VKIT, Bengaluru
- 3. Dr. Nethravathi, Prof&Head, VKIT, Bengaluru

Registration Fee

Registration is free for all Branches CSE/ISE/ECE/Civil/Mechanical

Venue

CSE/ISE Block

IMPORTANT DATES

Last date to submit the registration form is 16.05.2021

VIVEKANANDA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering &

Information Science and Engineering

REGISTRATION FORM

Workshop

ON

"Application Design Using Python"

17th to 21st May 2021

Name

USN :

E-mail ID

4. Phone (M) :



Date:

Signature of the applicant

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Dr.N P. Nethravathi, HOD, ISE

COORDINATORS Mrs. Priyanka K V Mrs. Kusuma Mrs.Lakshmi Sahabadi



Vivekananda Institute of Technology

Vivekananda Institute of Technology (VKIT) was founded in the year 1997 under the Management of Janatha Education Society (JES) which is established in the year 1972. The campus is spread over in 25 acres lush green land, located in Gudimavu and is about 2.5 kms from Bangalore-Mysore Highway. The College is affiliated to VTU, Belgaum, approved by AICTE, New Delhi and recognized by Government of Karnataka. The college offers six undergraduate programmes in IT branches and Postgraduates programmes like, MBA, M.Tech. The College provides separate hostel for boys and girls. The transportation facility is provided and staff and students from different parts of the Bangalore City.

About the Department

The Department of Information Science and Engineering aims to achieve quality in education and excellence in knowledge management through innovations, Problem solving, interdisciplinary collaboration and continuous improvement to meet the changing needs of society. It has well equipped laboratories and highly qualified faculty members.



VIVEKANANDA INSTITUTE OF TECHNOLOGY Workshop

ON

"Application Design Using Python"

17th to 21st May 2021



Department of Computer Science and Engineering

Information Science and Engineering
In Associaton with ParvaM Technologies



Janatha Education Society (Regd.)
VIVEKANANDA INSTITUTE OF TECHNOLOGY
Gudimavu, Kumbalagodu(Post)
Bangalore-Mysore Road, Bangalore – 560 074

Tel: 080-28437696/28437036, Fax: 080-28437944

Email: vkitprincipal@gmail.com Website: www.vitb.ac.in

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

AND

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

This is inform to the 4th year students that, CSE/ISE Department has been arranged the Workshop on "Application Design using Python" has been arranged from 17th to 21st May 2021 at VKIT, Bengaluru. All the students are hereby instructed to attend the Workshop and get the benefit of it.

*Attendance is mandatory.

With best regards

Dr. N.P. Nethravathi

Prof. & Head

Dr. D V Chandrashekar Principal

Copy to: ALL HOD's ECE/CSE/Civil/Mech/BSH

Vivekananda Intiliza of Technology Gudimavu, Kambalagudu, BENGALURU 560 074.



VIVEKANANDA INSTITUTE OF TECHNOLOGY



An Institution of Janatha Education Society

Affiliated to Visvesvaraya Technological University, Belagavi &

Approved by AICTE, New Delhi

Syllabus

Days	Topic
	Module1:Introduction
	Relationship between computers and programs
	Basic principles of computers
	File systems
Day 1	Using the Python interpreter
	Introduction to binary computationInput/ Output
	Module2:Datatypes and control structures
	Operators (unary,arithmetic,etc.)
	Data types, variables ,expressions, and statements
Day 2	Assignment statements
J	Strings and string operationsControl Structures: loops and decision
	Module3:ModularizationandClasses
	Standard modules
	Packages
	Defining Classes
Day 3	Defining functionsFunctions and arguments(signature)
	Tunctions and arguments (signature)
	Module4:Exceptionsanddatastructures
	Data Structures(array, List, Dictionary)
	Error processing
	Exception Raising and Handling Module5:Objectorienteddesign
	Programming types
Day 4	Object Oriented Programming
·	Object Oriented Design
	Inheritance and Polymorphism
	Application Design Using Python
Day 5	Machine learning applications
	 Machine learning applications. Command-line applications.
	 Command-line applications. Audio and Video applications.
	 Game app development

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Ref. No. + VKIT/ISE/workshop/2020-21/

Report on "Application Design Using Python"

introduction to the speaker and address speech was given by principal.. The resource persons present were: $17^{\rm th} - 21^{
m vi}$ May 2021 at 8.30 AM for all staff and students of VKIT. The session started with the Department of ISE and CSE has conducted workshop on "Application Design Using Python", from

Dr. Vidya A, Prof&Head, CSE,VKIT, Bengaluru Dr. Naveen M, Director, ParvaM Consultech Pvt. Ltd., Bengaluru

Dr. Nethravathi, Prof&Head, VKIT, Bengaluru

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analyzing it all. Some Python libraries like PyDub and OpenCV also help in the successful completion applications. Since the internet is loaded with audio and video content, you can use Python for of the app development. Mobile app development with python helps in creating music and other types of audio and video

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Ref. No.: VKIT/ISE/workshop/2020-21/

Date: 21/5/2021

Report on "Application Design Using Python"

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The resource persons present were:

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DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

AND

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshop on "Application Design using Python" From 17th to 21st May 2021

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Participants (29)



Jyothi Nayari (me)





Chandramma Devaraj (host)





Ankith kumar Singh





Ankitha H G





Chethan Y





Deepika R





Dikshith N. M





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Vivekananda kasifula of Tachnology Gudimavu, Kumbalagudu, BENGALURU 560 074.



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COMPLETION CERTIFICATE



This is to certify that,
AJMAL A P (1VK17CS003)

Has completed Workshop on "Application Design using Python"

from 17th to 21st May 2021.

This

Dr. Naveen M Managing Director, PARVAM MP NICLE

Dr. Nethravathi. N. P ISE HOD, VKIT

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MONESH V (1VK17CS034)

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"Application Design using Python"

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Dr.Nethravathi. N. P ISE HOD, VKIT Dr. Kumar Kenche Gowda PRINCIPAL

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This is to certify that,

KAVYA N D (1VK17CS024)

Has completed Workshop on "Application Design using Python" from 17th to 21st May 2021.

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This is to certify that, **ANKITHA H G (1VK17CS006)**

Has completed Workshop on "Application Design using Python" from 17th to 21st May 2021.

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TEJA G S (1VK17CS067)

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from 17th to 21st May 2021.

Dr. Naveen M

Dr. Naveen M Managing Director, PARVAM MIP NUL

Dr.Nethravathi. N. P ISE HOD, VKIT

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PRAJAY KUMAR (1VK17CS038)

Has completed Workshop on

"Application Design using Python"

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Has completed Workshop on "Application Design using Python" from 17th to 21st May 2021.

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Dr.Nethravathi. N. P ISE HOD, VKIT Dr. Kumar Kenche Gowda PRINCIPAL

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NAYANA A N (1VK17IS013)

Has completed Workshop on

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Dr.Nethravathi. N. P ISE HOD, VKIT

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