

Workshops & Training for Students 2018-19

Workshop on “Hadoop for Big Data Analytics”

Department of CSE organized workshop on “Hadoop for Big Data Analytics” for the final year students during 12th March to 19th March, 2019. The Workshop was inaugurated by Mr. Manjunath Mulimanni, Research Scholar, NITK, Surathkal, Dr. Manjunath Kotari HOD CSE and Prof. Jayathkumar Rathod, HOD ISE. The 97 final years were participated in this workshop.



Hadoop is 100% open or free source, and pioneered a fundamentally new way of storing and processing data. Instead of relying on expensive, proprietary hardware and different systems to store and process data, Hadoop enables distributed parallel processing of huge amounts of data across inexpensive, industry-standard servers that both store and process the data, and can scale without limits. With Hadoop, no data is too big. And in today's hyper-connected world where more

and more data is being created every day, Hadoop's breakthrough advantages mean that businesses and organizations can now find value in data that was recently considered useless.

OBJECTIVE:

To gain the hands on experience in the Hadoop fo Big Data

FEED BACK

The participants learnt how to MapReduce using hadoop concepts. The speaker gave the details of Big Data from the scratch. He explained with good examples. Overall the participants were very happy. They attended the workshop with enthusiasm all the sessions. The workshop was a big hit.



OUTCOMES

The participants got both Theoretical and Practical knowledge about BIGDATA and HADOOP. Planning to setup BIGDATA and HADOOP Lab. More and more research activity are to be planned on HADOOP

RESOURCE PERSON

Mr. Manjunath Mulimani (Research Scholar)

Department: - Computer Science Engineering

Education: - NITK, Surathkal

Workshop on “Let’s Latex”

Alva’s Institute of Engineering and Technology conducted a 2 days Student development Program on “Let’s LaTeX” for Final year students organized by Department of Computer Science and Engineering on 14th and 15th February 2019. The workshop was inaugurated by Dr. Manjunath Kothari A, H.O.D, Dept. CSE and also addressed the students. Resource person- Dr. Sumith N, all faculty members and final year students were also present during the inauguration.

Workshop Overview

This workshop imparts a fundamental knowledge required to design and write papers and reports using LaTeX tool. The practical exercises assigned amidst the lecture hours enhanced the interest of students to use the tool for their final year project report.

Course Goal: To master the techniques required to write a professional project report and paper based on the format of the respective publication.

Course Objective

- Learn syntax, features of, and commands to utilize the LaTeX tool.
- Design and write a document using the tool.

Topics covered

- Installing Latex Software
- Latex Environments And Packages
- Document Writing
- Paper Formats
 - IEEE
 - Springer
 - Elsevier Presentation Slides
- Writing Reports
 - Chapters
 - Section

Workshop on “C++ and Java”

Department of Computer Science & Engineering, Alva’s Institute of Engineering and Technology conducted a 5 days workshop on “**C++ and Java - an interview based approach and a bridge course for OOC with hands-on sessions**” for 2nd year students on 11th to 15th FEB 2019. The workshop was inaugurated Mr. Vivek Alva, Managing Trustee, AEF. The Principal Dr. Peter Fernandes, AIET and Prof. Manjunath Kothari, H.O.D, Dept. CSE and all The HODs of various departments and all staff members and student volunteers were also present during the inauguration function along with the resource person Dr. S. MohideenBadhusha. And also total 123 participants from 2nd Year CSE were participated in this workshop.

Workshop Overview

- Basic fundamentals about c++ and java programming.
- This workshop provided a brief knowledge about object oriented concepts
- This workshop imparts a fundamental knowledge required to design and develop of mini project using object oriented concepts.
- This workshop filled gap between academic and university syllabus.
- The practical programming exercises assigned amidst the lecture hours enhance the interest of development of different real-life applications using c++, java and object oriented concepts.

Course Goal

To master all techniques of software development in the C++ Programming Language and demonstrate these techniques by the solution of a variety of problems spanning the breadth of the language.

Topics covered

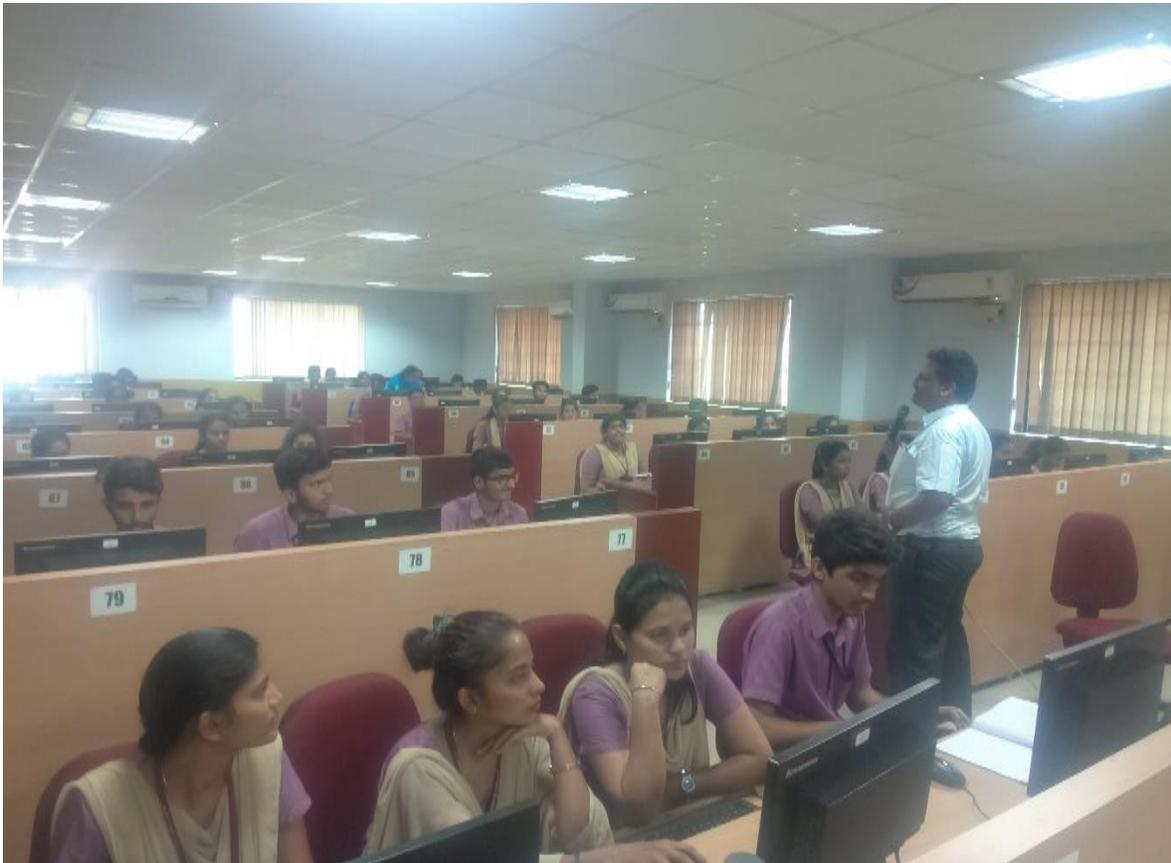
- Intro to Classes and Objects
- Control Structures
- Methods
- Arrays
- Pointers
- Classes
- Inheritance
- Polymorphism
- Templates

- Exceptions
- Files
- STL
- Operator Overloading

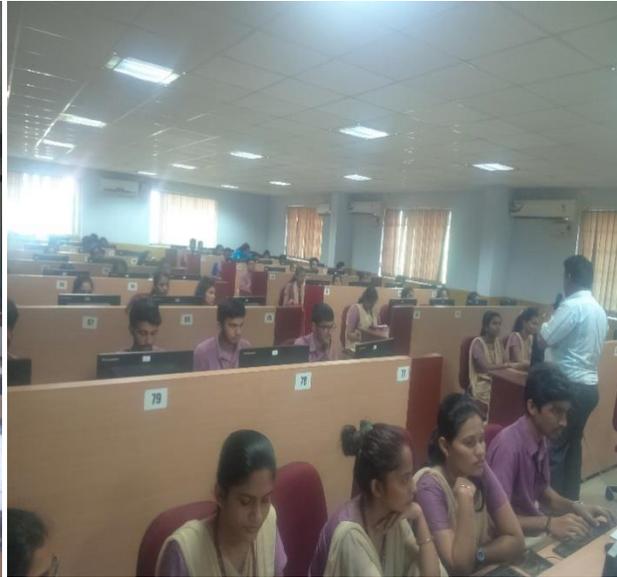
The proceedings of the workshop are as follows:

DAY 1

Session 1: Introduction to object oriented programming paradigm – Understanding of important basic terminologies of OOPs such as Class and objects, constructors, encapsulation, abstraction, Information hiding in C++ with example programs.

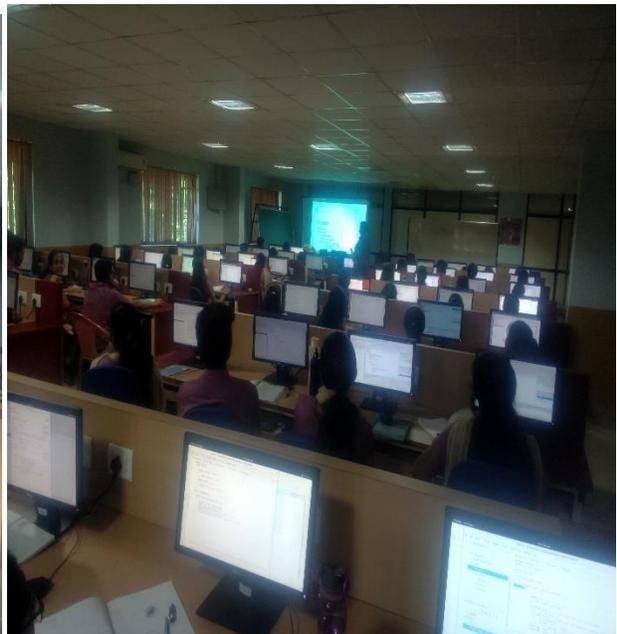
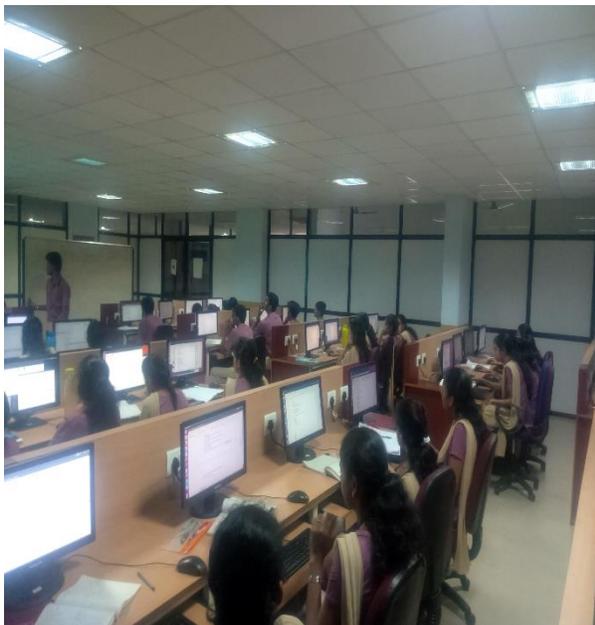


Session 2: Inheritance, types of inheritance, polymorphism, types of polymorphism, dynamic binding, Static binding, Virtual and pure virtual Functions, Abstract class, Templates in C++ with example programs.



DAY 2

Session 1: File handling functions, Exception handling, In-line functions and Friend function and class in C++ with example programs. Class and objects, constructors, encapsulation, abstraction, Information hiding in Java with example programs.



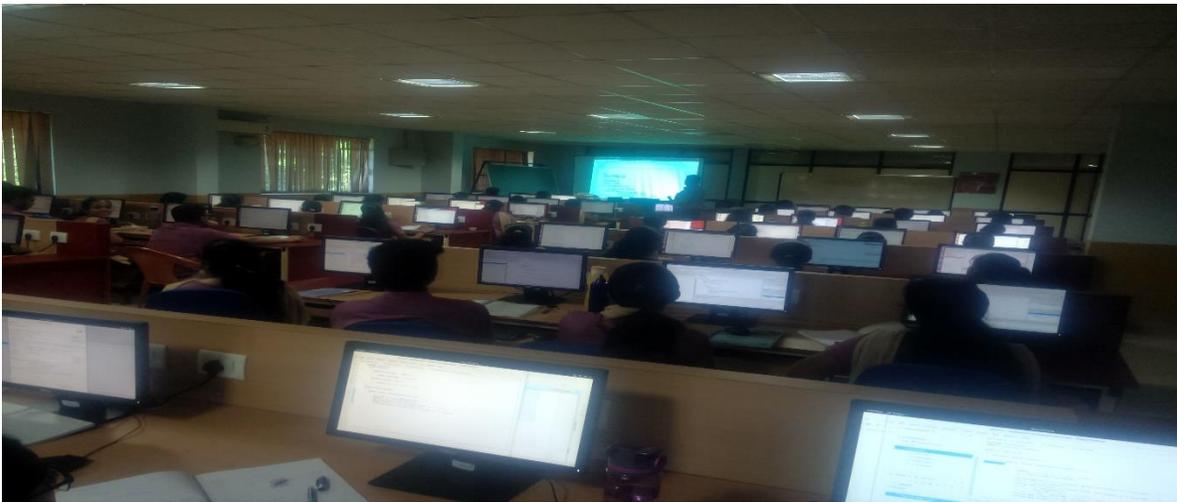
Session 2: Basic operators Logical expression; Type casting; Strings Control Statements: Selection statements, iteration statements, Jump Statements in Java and exercises



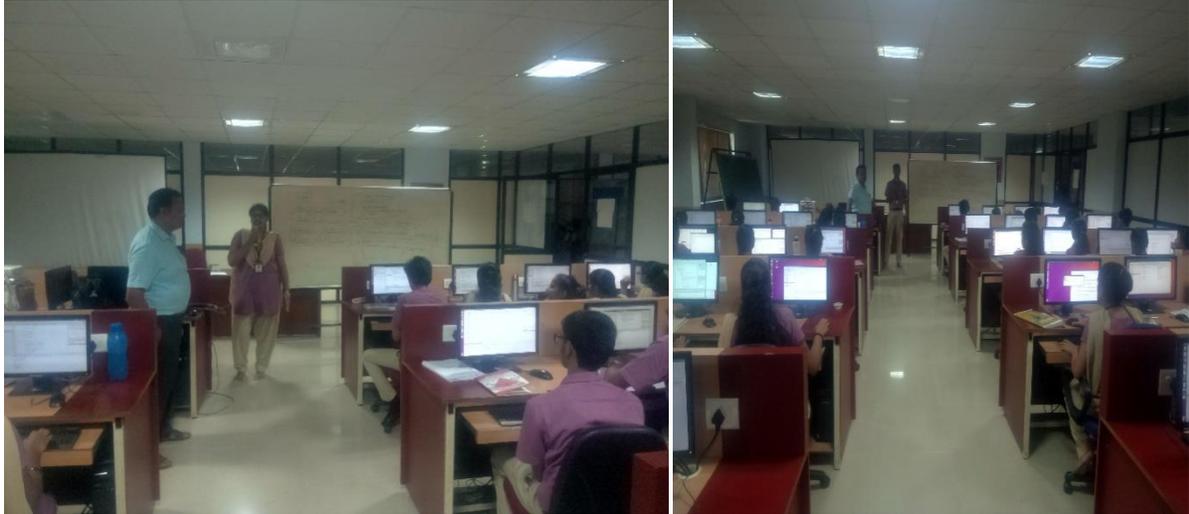
DAY 3

Session 1: Applets, Multi-Threaded Programming, Event Handling and Swings in Java and exercises

Session 2: Practice Session for rigorous training of Interview based questions



End of the session collected oral feedback from the students for the better enhancement of training programs in future.



The day was ended with a valedictory function where all the participants are provided with certificates.



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Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Department of computer science & engineering

Student List for Workshop on “C++ and JAVA”

SL. NO	USN	NAME
1.	4AL15CS050	Kiran A S
2.	4AL16CS047	Madhushree R
3.	4AL16CS078	S Harshith
4.	4AL16CS114	Thokchom Sanjit
5.	4AL17CS002	Ajeyashree K
6.	4AL17CS003	Akshat Khandelwal
7.	4AL17CS004	Akshata Narayana Hegde
8.	4AL17CS005	Amrutha M
9.	4AL17CS006	Anilkumar B N
10.	4AL17CS007	Anusha
11.	4AL17CS008	Anvitha Poojary
12.	4AL17CS009	Anvitha U
13.	4AL17CS010	Apeksha Rajendra Rane
14.	4AL17CS011	Apoorva H P
15.	4AL17CS012	Apoorva K N
16.	4AL17CS013	Aruna K
17.	4AL17CS015	Asha Rudrappa Totagi
18.	4AL17CS016	Ashika
19.	4AL17CS017	Ashwini
20.	4AL17CS018	Ashwini Shekarappa Jadamali
21.	4AL17CS019	Bhramari P Shetty
22.	4AL17CS020	Chandana Patil
23.	4AL17CS021	Chetana H
24.	4AL17CS022	Chethana J
25.	4AL17CS024	D Jasmine Joyline



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Department of computer science & engineering

26.	4AL17CS025	Datta Kiran A B
27.	4AL17CS027	Dhanya Bhat
28.	4AL17CS028	Dheeraj Krishna Devadig
29.	4AL17CS029	Dsouza Elston Ronald
30.	4AL17CS030	Gayatri V Kamat
31.	4AL17CS031	Gowda Roshni Shivprakash
32.	4AL17CS033	Hemalatha S
33.	4AL17CS034	Jagath Haren
34.	4AL17CS035	Jayalakshmi M
35.	4AL17CS036	Jayraj Chiragkumar Shah
36.	4AL17CS037	John Alsten Tauro
37.	4AL17CS038	K Thrishul
38.	4AL17CS039	Kanaka B S
39.	4AL17CS040	Kavana V
40.	4AL17CS041	Kavya
41.	4AL17CS042	Kavya R Shetty
42.	4AL17CS044	Koushik S N
43.	4AL17CS045	Lathik Moger
44.	4AL17CS046	Likitha M
45.	4AL17CS047	M C Suchithra Heggade
46.	4AL17CS048	Madan G Gudigar
47.	4AL17CS049	Madan Gowda V
48.	4AL17CS050	Mhaske Pooja Sambhaji
49.	4AL17CS051	Mahek Sabha
50.	4AL17CS052	Nagashree Arun M
51.	4AL17CS053	Naik Nayana Ganapati
52.	4AL17CS054	Nanditha R Shetty



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Department of computer science & engineering

53.	4AL17CS055	Netra Suresh Gudagamnala
54.	4AL17CS056	Pallavi
55.	4AL17CS057	Pavana P
56.	4AL17CS058	Poojashree K
57.	4AL17CS059	Prajna
58.	4AL17CS061	Pramod Jammanakatti
59.	4AL17CS062	Pranav L M
60.	4AL17CS063	Praveen Kumar S
61.	4AL17CS064	Praveenkumar
62.	4AL17CS065	Preethi
63.	4AL17CS066	Priya H T
64.	4AL17CS067	Priyanka Killedar
65.	4AL17CS069	Punith G
66.	4AL17CS070	Rachana K N
67.	4AL17CS071	Raghavi Harischandra Gaonkar
68.	4AL17CS072	Rahul Reddy R
69.	4AL17CS073	Raksha S
70.	4AL17CS074	Ramitha Y S
71.	4AL17CS075	Rani M D
72.	4AL17CS076	Ravali P
73.	4AL17CS077	Rohan Mahaveer
74.	4AL17CS078	Rohan Vashista B M
75.	4AL17CS079	Rousha
76.	4AL17CS080	Sachin Rajora
77.	4AL17CS081	Sana F Habib
78.	4AL17CS082	Sanjana
79.	4AL17CS083	Shah Dhruvil Amit



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Department of computer science & engineering

80.	4AL17CS084	Shaifa Shala
81.	4AL17CS085	Shanbhag Atish Manoj
82.	4AL17CS086	Shetty Ankit Suresh
83.	4AL17CS087	Shetty Disha Ravindra
84.	4AL17CS089	Shetty Sathvik Ravindra
85.	4AL17CS090	Shilpa S U
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87.	4AL17CS092	Shrinivasa
88.	4AL17CS093	Shwetha M S
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90.	4AL17CS095	Sneha K Bakale
91.	4AL17CS096	Soundarya R
92.	4AL17CS097	Spoorthi M S
93.	4AL17CS098	Spoorthi Balaji
94.	4AL17CS099	Srilatha K Kamath
95.	4AL17CS100	Suhas M S
96.	4AL17CS101	Surya Prakash S
97.	4AL17CS102	Sushmitha
98.	4AL17CS103	Sushmitha B Poojary
99.	4AL17CS104	Syed Hudaif Ibrahim
100.	4AL17CS105	Tejaswini R
101.	4AL17CS106	Varshitha
102.	4AL17CS107	Vidya K C
103.	4AL17CS108	Viha B Raju
104.	4AL17CS109	Vikas A L
105.	4AL17CS110	Vikas M
106.	4AL17CS111	Vineeth R



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107.	4AL17CS112	Vinod Kumar
108.	4AL17CS113	Vishal D
109.	4AL17CS114	Niriksha A
110.	4AL17CS115	Suman Rathod
111.	4AL17CS116	Sahana C
112.	4AL17CS117	Sinchana
113.	4AL17CS118	Jaiadithya Y
114.	4AL17CS119	Nachiketha S Bhat
115.	4AL17CS120	B Sai Harsha
116.	4AL17CS121	Arvind T
117.	4AL17CS122	Ravi Math
118.	4AL17CS123	Pruthvi B C
119.	4AL18CS400	Sagar B V
120.	4AL18CS401	Sandhya
121.	4AL18CS402	Shetty Shodhan Sudhakar
122.	4AL18CS403	T M Girija


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H. O. D.

Dept. Of Computer Science & Engineering
Alva's Institute of Engineering & Technology
Mijar, MOODBIDRI - 574 225



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Shobhavana Campus, Mijar, Moodbidri, D.K – 574225
Department of computer science & engineering

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Department of computer science & engineering

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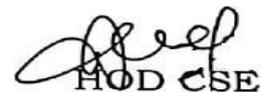
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