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Kethanakonda (V), Ibrahimpatnam (M), Vijayawada, AMARAVATI-521456.

Date:30-10-2023

To,
The Principal
R K College of Engineering.

Through HOD-C.S.E.

Sub: Seeking permission to conduct Seminar on "JAVA FULL STACK".

Sir,

I request you to kindly grant permission to conduct a Seminar on 3 & 4th November 2023 on "JAVA FULL STACK". The purpose of this project is to explore the capabilities. This seminar aims to provide participants with an in-depth understanding of Java programming and the full-stack development process, covering front-end, back-end, and database integration. Regard to the new trends in this will be a very informative seminar for many students.

Our students really need to understand the operation and advantages of JAVA FULL STACK as an alternative generating technique.

Thanking you Sir

Yours Sincerely

K.KOTESWARA RAO
ASSOCIATE PROFESSOR
HOD-CSE.

Coordinator-IQAC
RKCE

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TWO-DAY SEMINAR ON

"JAVA FULL STACK"

Organized by
Department of Computer science and Engineering
RK College of Engineering, Vijayawada

PROGRAMME FLOW – 03-11-2023.

TIME	SPEAKER	TOPIC TO BE DELIVERED
10:00 AM to 10:15 AM	B. DHARMA RAJU	Welcome speech
10:15 AM to 10:30 AM	Mr. I.HHNTV Prasad	Introduction about the program
10:30 AM to 11:30 AM	Mr. I.HHNTV Prasad Assistant Professor. National institute of Technology Warangal Email: hhntvprasad@gmail.com Phone No: 9989800781	Common Applications of Python with Pandas
11:30 AM to 11:45	<i>TEA BREAK</i>	
11:45 AM to 01:00 PM	Mr. I.HHNTV Prasad Assistant Professor. National institute of Technology Warangal Email: hhntvprasad@gmail.com Phone No: 9989800781	Basic Python Application Using Pandas Data Cleaning: Exploratory Data Analysis (EDA):
01:00 PM to 02:00 PM	<i>LUNCHBREAK</i>	
02:00 PM to 03:30 PM	Mr. I.HHNTV Prasad Assistant Professor. National institute of Technology Warangal Email: hhntvprasad@gmail.com Phone No: 9989800781	Technologies Data Science Machine Learning Business Intelligence Data Visualization

Coordinator: Mr.K.KOTESWARA RAO

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TWO-DAYS SEMINAR ON

"JAVA FULL STACK"

Organized by
Department of COMPUTER SCIENCE AND ENGINEERING
R K College of Engineering, Vijayawada

PROGRAMME FLOW – 04-11-2023

TIME	SPEAKER	TOPIC TO BE DELIVERED
10:30 AM to 11:30 AM	Mr. I.HHNTV Prasad Assistant Professor. National institute of Technology Warangal Email: hhntvprasad@gmail.com Phone No: 9989800781	Big Data Processing Web Scraping and APIs Automation and Scripting
11:30 AM to 11:45 AM	TEA BREAK	
11:45 AM to 01:00 PM	Mr. I.HHNTV Prasad Assistant Professor. National institute of Technology Warangal Email: hhntvprasad@gmail.com Phone No: 9989800781	Data Manipulation and Cleaning Efficient Data Analysis Handling Time Series Data
01:00 PM to 02:00 PM	LUNCH BREAK	
02:00 PM to 03:30 PM	Mr. I.HHNTV Prasad Assistant Professor. National institute of Technology Warangal Email: hhntvprasad@gmail.com Phone No: 9989800781	Applications on a APPLICATION PYTHON ON PANDAS
03:30 PM to 04:00 PM	Feedback from the participants and vote of thanks by Mr.K.KOTESWARA RAO	

Coordinators : Mr.K.KOTESWARARAO

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Date: 30-10-2023

REPORT ON TWO DAY SEMINAR ON "JAVA FULL STACK"

Title: " JAVA FULL STACK"

Expert: Mr.IHHNTV.PRASAD

Assistant professor

NNATIONAL INSTITUTE OF TECHNOLOGY.

WARANGAL

Email: hhntvprasad@gmail.com

Phone No: 9989800781

Date: 03&04THNovember, 2023

Venue: SEMINAR HALL-003, RKCE.

Coordinators : Mr.K.KOTESWARARAO

Mr. B.DHARMARAJU

Organized by: COMPUTER SCIENCE AND ENGINEERING

Total Participants attended: 106

Details of Participants: Students of II Year 1stsemester.

Students of II Year 1stsemester have attended the seminar on JAVA FULL STACK with full enthusiasm. Mr.IHHNTV.PRASAD has elaborately explained about the operation and advantages of JAVA FULL STACK. Also, he explained about the various types and applications of JAVA FULL STACK. The detailed topics are shown in program flow. This seminar was very useful as well as educative for the participants.


Coordinators


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03-11-2023

To
Mr.IHHNTV.PRASAD
Assistant ProfessoR
National institute of technology.
Warangal.

Sir,

Subject: Request invitation for delivering expert lecture Two-day seminar on "JAVA FULL STACK : " on dates 03-11-2023 &04-11-2023– Reg.

Respected Sir,

The department of C.S.E., RKCE, Kethanakonda (V),Ibrahimpatnam(M), Andhra Pradesh is organizing a two-day Seminar on Advancement in C.S.E. during 03-11-2023 &04-11-2023. I am happy to invite you as a Resource Person. I request you to accept the invitation and arrange to send the relevant study material so as to include in the course book.

Thanking You,

Yours Sincerely

K.KOTESWARA RAO
HOD-CSE

Coordinator-IQAC
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Student Attendance for Seminar on "JAVA FULL STACK"

S.NO	ROLL NO	STUDENT NAME	STUDENT SIGNATURE	
			DAY 1	DAY 2
1	21MC1A0501	ABDUL MOBEEN	P	P
2	21MC1A0503	ALLA VENKATA RAJESH	P	P
3	21MC1A0505	ANGA CHARAN RAJ	P	P
4	21MC1A0507	BAIREDLA SANJU NAIDU	P	P
5	21MC1A0509	BATTULA BALAKOTAIAH	P	P
6	21MC1A0511	BHUKYA VENKATESWARLU NAIK	P	P
7	21MC1A0514	BOMMIREDDY UMA MAHESWARI	P	P
8	21MC1A0517	CHELLUBOINA DILEEP	P	P
9	21MC1A0519	CHENNAMRAJU KEERTHI	P	P
10	21MC1A0521	DANDIBOINA VENKATA NANDINI	P	P
11	21MC1A0523	DASARI MEGHANA	P	P
12	21MC1A0526	DHANEKULA VENKATESH	P	P
13	21MC1A0528	EEVURI VIJAYA LAKSHMI	P	P
14	21MC1A0530	GAGGARA CHANDU KOUSHIK	P	P
15	21MC1A0532	GHANTASALA YESU RAJU	P	P
16	21MC1A0533	GODINA VENKATA SAI SAHASRA	P	P
17	21MC1A0536	GOTHALA HARISH YADAV	P	P
18	21MC1A0539	JANAMALA HARI KRISHNA	P	P
19	21MC1A0541	JAVISETTY VAMSI KRISHNA	P	P
20	21MC1A0543	KADALI MOUNIKA	P	P
21	20MC1A0512	CHALLA ANUSHA	P	P
22	20MC1A0517	DANDU VENKATA CHALAPATHI	P	P
23	20MC1A0523	GALIPOTHULA SANTHOSH KUMAR	P	P
24	20MC1A0528	GURRALA MOUNIKA	P	P

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25	20MC1A0533	INUPANURTHI PUSHPA MADHURI	P	P
26	20MC1A0538	KARNATI SAI PRABHU	P	P
27	20MC1A0543	KATIKI BALAKRISHNA	P	P
28	20MC1A0547	KORAGANJI VENU KUMAR	P	A
29	20MC1A0554	MANAVASI SIVA KUMAR	P	P
30	20MC1A0558	MEKA ASWINI	P	P
31	20MC1A0569	PANTAPALLE BHARGAVI	P	P
32	20MC1A0563	NALLADIMMU VENKATA SUBBAREDDY	P	P
33	20MC1A0575	PONUGUPATI AJAY KUMAR	P	P
34	20MC1A0579	REDDEM VEERA SIVANJANEYA REDDY	P	P
35	20MC1A0586	SRIHARI MANNEPALLI	A	P
36	20MC1A0593	VUDIGA VINAY KUMAR	P	P
37	20MC1A05A0	KAMANABOINA CHARITHA	P	P
38	21MC5A0505	K L NARASIMHA BADRI ASHISH	P	P
39	21MC5A0509	NELLURI JEEVAN KUMAR	P	P
40	21MC5A0514	SHAIK IBRAHEEM	P	P
41	21MC1A0574	MOKA CHAKRAVARTHI	P	P
42	21MC1A0578	OBILLANENI TEJASWINI	P	P
43	21MC1A0583	PANTAPALLI BHUVANESWARI	P	P
44	21MC1A0587	PEMULA SUMANTH	P	P
45	21MC1A0592	POTHUGANTI APPARAO	P	P
46	21MC1A0596	R SREE VIDYA	P	P
47	21MC1A05A1	SAKAM RANGA SWAMY REDDY	P	P
48	21MC1A05A6	SHAIK UDAY	P	P
49	21MC1A0512	BHUMA GANGADHAR NAIDU	P	P
50	21MC1A0518	CHENNADI KHYATHI	P	P
51	21MC1A0522	DARGA DINESH	P	P
52	21MC1A0525	DHANALAKOTA DENI SRILAKSHMI	P	P

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53	21MC1A0502	ADAPA JEEVAN KUMAR	P	P
55	21MC1A0518	CHENNADI KHYATHI	P	P
56	21MC1A0522	DARGA DINESH	P	P
57	21MC1A0501	ABDUL MOBEEN	P	P
58	21MC1A0503	ALLA VENKATA RAJESH	P	P
59	21MC1A0505	ANGA CHARAN RAJ	P	P
60	21MC1A0507	BAIREDLA SANJU NAIDU	P	P
61	21MC1A0509	BATTULA BALAKOTAIAH	P	P
62	21MC1A0511	BHUKYA VENKATESWARLU NAIK	P	P
63	21MC1A0514	BOMMIREDDY UMA MAHESWARI	P	P
64	21MC1A0517	CHELLUBOINA DILEEP	P	P
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67	21MC1A0523	DASARI MEGHANA	P	P
68	21MC1A0526	DHANEKULA VENKATESH	P	A
69	21MC1A0528	EEVURI VIJAYA LAKSHMI	P	P
70	21MC1A0530	GAGGARA CHANDU KOUSHIK	A	P
71	21MC1A0532	GHANTASALA YESU RAJU	P	P
72	21MC1A0533	GODINA VENKATA SAI SAHASRA	P	P
73	21MC1A0536	GOTHALA HARISH YADAV	P	P
74	21MC1A0539	JANAMALA HARI KRISHNA	P	P
75	21MC1A0541	JAVISETTY VAMSI KRISHNA	P	P
76	21MC1A0543	KADALI MOUNIKA	P	P
77	20MC1A0512	CHALLA ANUSHA	P	P
78	20MC1A0517	DANDU VENKATA CHALAPATHI	P	P
79	20MC1A0523	GALIPOTHULA SANTHOSH KUMAR	P	P
80	20MC1A0528	GURRALA MOUNIKA	P	P
81	20MC1A0533	INUPANURTHI PUSHPA MADHURI	P	P

Coordinating Officer
RKCE

Principal
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83	20MC1A0543	KATIKI BALAKRISHNA	P	P
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86	20MC1A0558	MEKA ASWINI	P	P
87	20MC1A0569	PANTAPALLE BHARGAVI	P	P
88	20MC1A0563	NALLADIMMU VENKATA SUBBAREDDY	P	A
89	20MC1A0575	PONUGUPATI AJAY KUMAR	P	P
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91	20MC1A0586	SRIHARI MANNEPALLI	P	P
92	20MC1A0593	VUDIGA VINAY KUMAR	P	P
93	20MC1A05A0	KAMANABOINA CHARITHA	P	P
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100	21MC1A0587	PEMULA SUMANTH	P	P
101	21MC1A0592	POTHUGANTI APPARAO	P	P
102	21MC1A0596	R SREE VIDYA	P	P
103	21MC1A05A1	SAKAM RANGA SWAMY REDDY	P	P
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106	21MC1A0518	CHENNADI KHYATHI	P	P

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REPORT ON JAVA FULL STACK

Report on Java Full Stack Development

Introduction

Java Full Stack development involves the use of Java programming language for both front-end and back-end development. It covers the entire software development lifecycle and encompasses all aspects of development from the user interface (UI) to databases, server-side logic, and deployment. Full stack developers proficient in Java typically work with frameworks, libraries, and tools that allow them to develop and manage all layers of an application, from the client side to the server side.

Key Technologies in Java Full Stack Development

1. Frontend Technologies

The front-end development in Java Full Stack typically involves creating the user interface (UI) that interacts with the user. The following technologies are commonly used:

- **HTML/CSS:** These are the building blocks of web page structure and styling.
- **JavaScript:** The scripting language used for client-side interactivity.
- **Angular/React/Vue.js:** Popular JavaScript frameworks/libraries used for creating dynamic and responsive user interfaces.
- **Type Script:** A superset of JavaScript that adds static typing, often used with Angular.

2. Backend Technologies

The backend refers to the server-side logic of the application that handles requests from the frontend. Java Full Stack developers often use the following:

- **Java:** The core language used for server-side development.
- **Spring Framework:** A popular framework for building Java-based enterprise applications. Key components include:
 - **Spring Boot:** Simplifies the setup and development of new Spring applications.
 - **Spring MVC:** For creating web applications.
 - **Spring Security:** For managing authentication and authorization.
 - **Spring Data JPA:** For database interaction using Java Persistence API (JPA).
- **Java Persistence API (JPA):** Used for managing relational data in Java applications.
- **RESTful Web Services:** Used for communication between the client and server using HTTP methods (GET, POST, PUT, DELETE).
- **Web Socket:** For real-time communication between the client and server.

3. Database Technologies

Databases store the data that is used and managed by the application. Common database technologies include:

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About APPLICATION PYTHON ON PANDAS:

A Java full-stack application involves both front-end and back-end components, typically using Java technologies for server-side development, and other technologies like HTML, CSS, JavaScript, and frameworks such as Angular or React for the front-end.

Key Components of a Java Full-Stack Application:

1. Back-End Development (Server-Side)

o Java Frameworks:

- Spring Boot: A popular framework for building Java-based web applications with micro services support.
- Java EE (Jakarta EE): A set of APIs for enterprise-level applications, although Spring Boot is now preferred.
- Hibernate: A framework for ORM (Object-Relational Mapping), used to interact with relational databases.
- Spring Security: Used for authentication and authorization.

o Database:

- SQL Databases: Such as MySQL, PostgreSQL, or Oracle.
- NoSQL Databases: Like MongoDB, used when the application requires unstructured data handling.

2. Front-End Development (Client-Side)

- o HTML/CSS/JavaScript: Core technologies for building the structure, design, and interactivity of web pages.

o Frameworks/Libraries:

- React.js/Angular: JavaScript frameworks used to build responsive, dynamic user interfaces.
- Vue.js: Another option for building front-end UIs with a simpler learning curve compared to Angular.

3. Web Server:

- o Apache Tomcat: A popular Java application server for serving Java-based web applications.
- o Nginx or Apache HTTP Server: Can be used in front of the Java back-end for serving static files and reverse proxying to the Java application.

4. API Communication:

- o RESTful APIs: Common for connecting the back-end with the front-end, using HTTP requests (GET, POST, PUT, DELETE).

GraphQL: Another API approach, offering more flexible queries.

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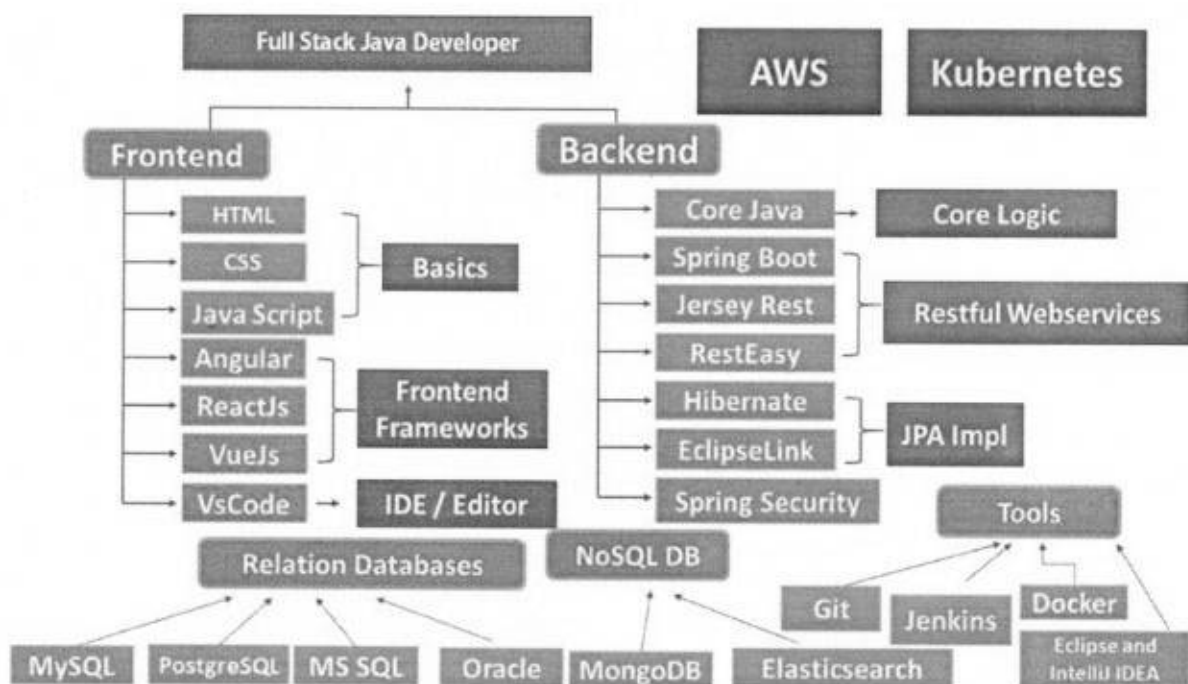
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JAVA FULL STACK:



Full stack development refers to the practice of working on both the front-end and back-end components of a web application. A full stack developer is someone who is skilled in all layers of development, from the user interface (UI) to the database and server-side functionality. Below is an overview of what full stack development typically entails:

Front-End (Client-Side)

The front-end is the part of the application that users interact with directly. It includes the visual elements, layouts, and user interactions. Front-end technologies include:

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1. HTML (HyperText Markup Language) – Defines the structure of web pages.
2. CSS (Cascading Style Sheets) – Styles the layout and design of web pages.
3. JavaScript – Adds interactivity and dynamic behavior to the web pages.
4. Front-End Frameworks and Libraries:
 - React.js, Vue.js, Angular – Popular JavaScript frameworks for building complex, interactive user interfaces.
 - SASS/SCSS – CSS preprocessor for better styling management.

Back-End (Server-Side)

The back-end of a web application is responsible for business logic, data storage, authentication, and processing. It typically includes server-side programming, databases, and APIs. Back-end technologies include:

1. Programming Languages:
 - Node.js (JavaScript runtime)
 - Python (with frameworks like Django, Flask)
 - Ruby (with Ruby on Rails)
 - Java (Spring, Hibernate)
 - PHP (Laravel, Symfony)
 - C# (ASP.NET)
2. Databases:
 - SQL Databases (e.g., MySQL, PostgreSQL, SQLite)
 - NoSQL Databases (e.g., MongoDB, Firebase)
3. Server and Hosting:
 - Web servers like Apache, Nginx, or Express.js (Node.js)
 - Deployment platforms such as AWS, Heroku, DigitalOcean, or Netlify.
4. APIs:
 - RESTful APIs – A popular way to structure communication between client and server.
 - GraphQL – A newer approach to APIs offering more flexibility.

Full Stack Developer Skills

A full stack developer needs to be proficient in both front-end and back-end technologies. They should understand how to integrate all layers of the web application, ensuring the application works efficiently from the user interface to the server and database.

1. Version Control:
 - Git and platforms like GitHub or GitLab for version control and collaboration.
2. Authentication & Security:
 - Authentication (e.g., OAuth, JWT)
 - Secure communication (e.g., HTTPS, SSL/TLS)

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3. DevOps/Deployment:

- Understanding of Continuous Integration/Continuous Deployment (CI/CD) pipelines.
- Knowledge of Docker for containerization and Kubernetes for orchestration.
- Familiarity with cloud platforms like AWS, Azure, or Google Cloud.

Tools and Practices

1. IDE/Editor – Common editors like Visual Studio Code, Sublime Text, or Atom for writing code.
2. Testing Frameworks – Tools for testing both front-end (e.g., Jest, Mocha) and back-end (e.g., JUnit, Mocha, Chai).
3. Responsive Design – Techniques for ensuring the application is mobile-friendly (using frameworks like Bootstrap, Tailwind CSS).

Example Full Stack Tech Stacks:

- **MEAN Stack:** MongoDB (Database), Express.js (Back-End Framework), Angular (Front-End Framework), Node.js (Server)
- **MERN Stack:** MongoDB (Database), Express.js (Back-End Framework), React.js (Front-End Framework), Node.js (Server)
- **LAMP Stack:** Linux (OS), Apache (Web Server), MySQL (Database), PHP (Programming Language)

Workflow of Full Stack Development:

1. **Front-End Development:**
 - Build the UI/UX, ensuring responsiveness and interactivity.
 - Use JavaScript libraries or frameworks to manage user interactions and communicate with the back-end.
2. **Back-End Development:**
 - Set up the server, databases, and APIs.
 - Implement business logic, authentication, and manage data flow.
3. **Integration:**
 - Connect the front-end with the back-end via APIs.
 - Test and deploy the application to the production environment.

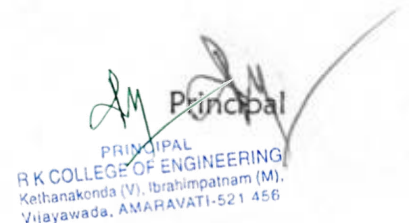
Advantages of Full Stack Development:

- **Versatility:** Full stack developers can handle all aspects of an application.


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An ISO 9001 : 2015 Certified Institution

Kethanakonda(V), Ibrahimpatnam(M), Vijayawada, Amaravati, AP - 521456

Phone No: 08659 - 282956 / 66

Website: www.rkce.in



Certificate



This is to certify that Mr./ Ms. _____

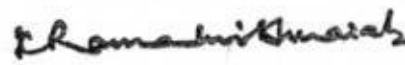
has Successfully completed a Course / Workshop / Seminar on “ Java full

stack ” from 3/11/2023 to 4/11/2023

in association with VXL at RK College of Engineering.


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Principal
RK COLLEGE OF ENGINEERING
Kethanakonda (V), Ibrahimpatnam (M),
Vijayawada, AMARAVATI - 521 456


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Feedback form for Two days seminar on "JAVA FULL STACK"

* (0-Low, 5 High)

Sl. No.	Hall Ticket Number	Information was new to you? (Yes/No)	Would you like to learn more about this topic? (Yes/No)	Rate* the Speaker Knowledge.	Rate* the Speaker presentation.	Rate* the content of slides.	Rate* the session compared to your expectations.	Rate* the Overall session	Additional comments
1	21MC1A0501	yes	Yes	5	4	3	5	4	good
2	21MC1A0503	Yes	Yes	5	5	5	5	4	excellent
3	21MC1A0505	Yes	Yes	5	4	5	4	5	good
4	21MC1A0507	Yes	Yes	5	5	5	4	5	excellent
5	21MC1A0509	Yes	Yes	5	5	4	5	5	excellent
6	21MC1A0511	Yes	Yes	4	5	5	5	5	excellent
7	21MC1A0514	Yes	Yes	4	5	5	4	4	good
8	21MC1A0517	Yes	Yes	5	5	5	4	5	excellent
9	21MC1A0519	Yes	Yes	4	4	5	5	5	good
10	21MC1A0521	Yes	Yes	5	5	5	5	4	excellent
11	21MC1A0523	Yes	Yes	4	4	4	5	5	good
12	21MC1A0526	Yes	Yes	5	5	5	4	5	excellent
13	21MC1A0528	Yes	Yes	5	5	5	4	5	excellent
14	21MC1A0530	Yes	Yes	4	5	5	4	5	good
15	21MC1A0532	Yes	Yes	5	5	5	5	4	excellent

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16	21MC1A0533	Yes	Yes	5	5	5	5	5	Excellent
17	21MC1A0536	Yes	Yes	5	4	4	5	5	good
18	21MC1A0539	Yes	Yes	5	5	4	5	5	v-good
19	21MC1A0541	Yes	Yes	5	5	5	5	5	Excellent
20	21MC1A0543	Yes	Yes	5	5	5	5	5	Excellent
21	20MC1A0512	Yes	Yes	5	5	5	5	4	v-good
22	20MC1A0517	Yes	Yes	5	5	5	5	5	Excellent
23	20MC1A0523	Yes	Yes	5	4	5	5	5	good
24	20MC1A0528	Yes	Yes	4	5	5	4	5	good
25	20MC1A0533	Yes	Yes	5	5	5	5	5	v-good
26	20MC1A0538	Yes	Yes	5	5	5	5	5	Excellent
27	20MC1A0543	Yes	Yes	5	5	5	5	5	good
28	20MC1A0547	Yes	Yes	5	5	4	5	5	good
29	20MC1A0554	Yes	Yes	5	4	5	5	5	v-good
30	20MC1A0558	Yes	Yes	5	5	5	5	5	Excellent
31	20MC1A0569	Yes	Yes	5	5	5	5	5	Excellent
32	20MC1A0563	Yes	Yes	5	5	5	5	5	good
33	20MC1A0575	Yes	Yes	5	5	5	5	5	good
34	20MC1A0579	Yes	Yes	4	5	5	5	5	v-good

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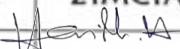
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35	20MC1A0586	yes	Yes	5	5	5	5	5	Excellent
36	20MC1A0593	yes	Yes	5	5	4	5	5	✓ Good
37	20MC1A05A0	yes	Yes	5	5	5	5	5	Excellent
38	21MC5A0505	yes	Yes	5	5	5	4	5	✓ good
39	21MC5A0509	Yes	Yes	5	5	5	5	4	good
40	21MC5A0514	Yes	Yes	5	5	5	5	5	Excellent
41	21MC1A0574	Yes	Yes	5	5	5	5	5	Excellent
42	21MC1A0578	Yes	Yes	5	5	5	5	5	Excellent
43	21MC1A0583	Yes	Yes	5	5	4	5	5	good
44	21MC1A0587	Yes	Yes	5	5	5	5	5	Excellent
45	21MC1A0592	Yes	Yes	5	5	5	5	5	Excellent
46	21MC1A0596	Yes	Yes	5	4	5	5	5	good
47	21MC1A05A1	Yes	Yes	5	5	5	5	5	Excellent
48	21MC1A05A6	Yes	Yes	5	5	5	5	5	Excellent
49	21MC1A0512	Yes	Yes	4	5	5	5	4	good
50	21MC1A0518	Yes	Yes	5	4	5	5	5	good
51	21MC1A0522	Yes	Yes	5	5	5	5	5	Excellent
52	21MC1A0525	Yes	Yes	5	5	5	5	5	Excellent
53	21MC1A0502	Yes	Yes	5	5	5	4	5	good

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55	21MC1A0518	Yes	Yes	5	5	5	5	5	Excellent
56	21MC1A0522	Yes	Yes	5	5	4	5	5	good
57	21MC1A0501	Yes	Yes	5	5	5	5	5	Excellent
58	21MC1A0503	Yes	Yes	5	5	5	5	5	Excellent
59	21MC1A0505	Yes	Yes	4	5	5	5	5	good
60	21MC1A0507	Yes	Yes	5	5	5	5	5	Excellent
61	21MC1A0509	Yes	Yes	5	5	5	5	5	Excellent
62	21MC1A0511	Yes	Yes	5	5	4	5	5	good
63	21MC1A0514	Yes	Yes	5	5	5	5	5	Excellent
64	21MC1A0517	Yes	Yes	5	5	5	5	5	Excellent
65	21MC1A0519	Yes	Yes	5	5	5	5	5	Excellent
66	21MC1A0521	Yes	Yes	5	5	5	5	5	Excellent
67	21MC1A0523	Yes	Yes	5	4	5	5	5	good
68	21MC1A0526	Yes	Yes	4	5	5	5	5	good
69	21MC1A0528	Yes	Yes	5	5	5	5	5	Excellent
70	21MC1A0530	Yes	Yes	5	4	5	5	5	good
71	21MC1A0532	Yes	Yes	4	5	5	5	5	good
72	21MC1A0533	Yes	Yes	5	5	5	5	5	Excellent
73	21MC1A0536	Yes	Yes	5	4	5	5	5	good


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74	21MC1A0539	Yes	Yes	5	5	5	5	5	Excellent
75	21MC1A0541	Yes	Yes	5	5	4	5	5	good
76	21MC1A0543	Yes	Yes	5	5	5	5	5	Excellent
77	20MC1A0512	Yes	Yes	5	5	5	5	5	Excellent
78	20MC1A0517	Yes	Yes	5	5	5	5	5	Excellent
79	20MC1A0523	Yes	Yes	5	5	5	5	5	Excellent
80	20MC1A0528	Yes	Yes	5	5	4	5	5	good
81	20MC1A0533	Yes	Yes	5	5	5	4	5	good
82	20MC1A0538	Yes	Yes	5	5	5	5	4	good
83	20MC1A0543	Yes	Yes	5	5	4	5	5	good
84	20MC1A0547	Yes	Yes	5	5	5	4	5	v good
85	20MC1A0554	Yes	Yes	5	5	5	5	5	Excellent
86	20MC1A0558	Yes	Yes	5	5	5	5	5	Excellent
87	20MC1A0569	Yes	Yes	5	5	4	5	5	good
88	20MC1A0563	Yes	Yes	5	5	5	4	5	good
89	20MC1A0575	Yes	Yes	5	5	5	5	5	Excellent
90	20MC1A0579	Yes	Yes	5	5	5	5	5	Excellent
91	20MC1A0586	Yes	Yes	5	5	5	5	5	good
92	20MC1A0593	Yes	Yes	5	5	5	5	5	good

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93	20MC1A05A0	Yes	Yes	5	5	5	5	5	N.Good
94	21MC5A0505	Yes	Yes	5	5	5	5	5	V.Good
95	21MC5A0509	Yes	Yes	5	5	5	5	5	Good
96	21MC5A0514	Yes	Yes	5	5	5	5	5	Good
97	21MC1A0574	Yes	Yes	5	5	5	5	5	Good
98	21MC1A0578	Yes	Yes	5	5	5	5	5	Good
99	21MC1A0583	Yes	Yes	5	5	5	5	5	Good
100	21MC1A0587	Yes	Yes	5	5	5	5	5	Good
101	21MC1A0592	Yes	Yes	5	5	5	5	5	Good
102	21MC1A0596	Yes	Yes	5	5	5	5	5	Good
103	21MC1A05A1	Yes	Yes	5	5	5	5	5	Good
104	21MC1A05A6	Yes	Yes	5	5	5	5	4	Good
105	21MC1A0512	Yes	Yes	5	5	5	5	4	Good
106	21MC1A0518	Yes	Yes	5	5	5	5	4	Good


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