

Date:01/02/2022

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in **'Soft Skills Development'** for CSE SE Students for the Academic Year 2022-23

Respected Sir,

I am writing to propose the Introducing a Course in **'Soft Skills Development' (Time Management)** for CSE-SE Students for the Academic Year 2022-23

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

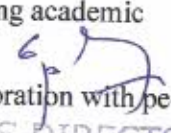
- Improve communication skills for clear and effective interaction.
- Develop emotional intelligence to manage one self and relationships better.
- Enhance teamwork and collaboration skills.
- Foster leadership abilities to inspire and motivate teams.
- Learn time management techniques to boost productivity.
- Strengthen problem-solving and critical thinking skills.
- Adapt to changing environments and handle stress effectively.
- Cultivate customer service skills to improve client interactions.
- Build professional networks and maintain ethical standards..

Course Outline:

- Introduction to *Time Management*
- Tools and Techniques in *Time Management*

Benefits to Students:

- Clarity and Conciseness: Learn to articulate thoughts clearly and concisely, making academic presentations and class discussions more effective.
- Active Listening: Develop listening skills that improve understanding and collaboration with peers and instructors.
- Build better relationships with classmates and teachers, leading to a more supportive and engaging learning environment.
- Teamwork: Enhance collaboration skills essential for group projects, sports teams, and extracurricular activities.


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Website : www.iceemabad.com | E-mail : director@iceemabad.com

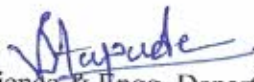
- Gain insights into personal emotions and behaviors, fostering self-improvement and maturity.
- Empathy: Improve empathy and understanding of others, creating a more inclusive and respectful community.
- Prioritization: Learn to prioritize tasks effectively, balancing academic responsibilities with personal activities.
- Increase productivity and reduce stress by mastering time management techniques.
- Cultivate leadership qualities that enable students to take on leadership roles in school organizations and beyond.
- Learn to inspire and motivate peers, fostering a positive and productive team environment.
- Stronger Problem-Solving and Critical Thinking Skills:
- Enhance analytical thinking, enabling better understanding and solution of complex problems.
- Creative Solutions: Develop creative problem-solving skills, useful in academic projects and real-world scenarios.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our Computer Science & Engg. Department. I kindly request you to consider this proposal and approve the introduction of " **Soft Skills Development**"(*Time Management*) " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name



Head of Computer Science & Engg. Department.


International Center Of Excellence In Engg & Management (ICEEM), Aurangabad

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. Which of the following best defines time management?

- A. Completing tasks quickly
- B. Prioritizing tasks effectively
- C. Working long hours
- D. Multi-tasking


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Answer: B. Prioritizing tasks effectively

2. Effective time management helps in:

- A. Increasing stress levels
- B. Improving productivity
- C. Decreasing task complexity
- D. Ignoring deadlines

Answer: B. Improving productivity

3. The Eisenhower Matrix categorizes tasks into:

- A. Urgent and Important
- B. Urgent and Non-essential
- C. Important and Optional
- D. Optional and Urgent

- Answer: A. Urgent and Important

4. Which technique involves categorizing tasks based on their urgency and importance?

- A. Pomodoro Technique
- B. Pareto Principle
- C. Eisenhower Matrix
- D. GTD Methodology

- Answer: C. Eisenhower Matrix

5. Procrastination can be managed by:

- A. Ignoring deadlines
- B. Breaking tasks into smaller steps
- C. Completing tasks at the last moment
- D. Prioritizing low-value tasks


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- Answer: B. Breaking tasks into smaller steps

6. Which is a common time-wasting activity to avoid?

- A. Taking breaks
- B. Procrastination
- C. Delegating tasks
- D. Setting deadlines

- Answer: B. Procrastination

7. Which strategy involves allocating specific time slots for different tasks?

- A. Prioritization
- B. Time blocking
- C. Multitasking
- D. Procrastination

- Answer: B. Time blocking

8. Parkinson's Law states that work expands to:

- A. Match available time
- B. Decrease in scope
- C. Increase in complexity
- D. Improve quality

- Answer: A. Match available time

9. Which tool helps in scheduling and organizing tasks efficiently?

- A. Email
- B. Calendar
- C. Social media
- D. Notebook


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- Answer: B. Calendar

10. SMART goals are:

- A. Specific, Measurable, Attainable, Realistic, Timely
- B. Simple, Manageable, Achievable, Relevant, Timed
- C. Specific, Manageable, Achievable, Realistic, Tangible
- D. Significant, Measurable, Actionable, Relevant, Time-bound

- Answer: A. Specific, Measurable, Attainable, Realistic, Timely


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To,

Date:01/02/2022

Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),

Aurangabad

Subject: Sanction for the Introduction of the Course " **Soft Skill (Time Managment)**" for SE Students for the Academic Year 2022-23

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Soft Skill (Time Managment)**" " for the UG students in the CSE Department for the academic year 2022-23.


We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Soft Skill (Time Managment)**"

Department: CSE

Level: UG

Academic Year: 2022-23


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Aurangabad

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Date: 01/02/2022

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Soft Skills Development' for CSE SE Students for the Academic Year 2022-23

Respected Sir,

I am writing to propose the Introducing a Course in 'Soft Skills Development' (Network Management) for CSE-TE Students for the Academic Year 2022-23

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- Improve communication skills for clear and effective interaction.
- Develop emotional intelligence to manage one self and relationships better.
- Enhance teamwork and collaboration skills.
- Foster leadership abilities to inspire and motivate teams.
- Learn time management techniques to boost productivity.
- Strengthen problem-solving and critical thinking skills.
- Adapt to changing environments and handle stress effectively.
- Cultivate customer service skills to improve client interactions.
- Build professional networks and maintain ethical standards..

Course Outline:

- Introduction to Network Management
- Tools and Techniques in Network Management

Benefits to Students:

- Clarity and Conciseness: Learn to articulate thoughts clearly and concisely, making academic presentations and class discussions more effective.
- Active Listening: Develop listening skills that improve understanding and collaboration with peers and instructors.
- Build better relationships with classmates and teachers, leading to a more supportive and engaging learning environment.
- Teamwork: Enhance collaboration skills essential for group projects, sports teams, and extracurricular activities.

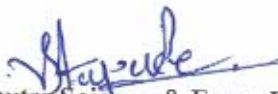
- Gain insights into personal emotions and behaviors, fostering self-improvement and maturity.
- Empathy: Improve empathy and understanding of others, creating a more inclusive and respectful community.
- Prioritization: Learn to prioritize tasks effectively, balancing academic responsibilities with personal activities.
- Increase productivity and reduce stress by mastering time management techniques.
- Cultivate leadership qualities that enable students to take on leadership roles in school organizations and beyond.
- Learn to inspire and motivate peers, fostering a positive and productive team environment.
- Stronger Problem-Solving and Critical Thinking Skills:
 - Enhance analytical thinking, enabling better understanding and solution of complex problems.
- Creative Solutions: Develop creative problem-solving skills, useful in academic projects and real-world scenarios.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our Computer Science & Engg. Department. I kindly request you to consider this proposal and approve the introduction of " **Soft Skills Development**"(*Time Management*) " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name


Head of Computer Science & Engg. Department.


International Center Of Excellance In Engg & Management (ICEEM), Aurangabad

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. Which method encourages focusing on one task at a time?

- A. Multitasking
- B. Time blocking
- C. Pomodoro Technique
- D. GTD Methodology


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- Answer: C. Pomodoro Technique

2 Which statement reflects good time management?

- A. Completing tasks as they come
- B. Reacting to urgent tasks first
- C. Scheduling time for planning and reflection
- D. Working overtime to meet deadlines

- Answer: C. Scheduling time for planning and reflection

3. Which technique involves prioritizing tasks based on their impact?

- A. Pareto Principle
- B. Pomodoro Technique
- C. Eisenhower Matrix
- D. SMART Goals

- Answer: A. Pareto Principle

4. Which is NOT a benefit of effective time management?

- A. Reduced stress
- B. Improved decision-making
- C. Increased productivity
- D. Increased multitasking

- Answer: D. Increased multitasking

5 The 80/20 rule (Pareto Principle) suggests that:

- A. 80% of results come from 20% of efforts
- B. 80% of time should be spent on urgent tasks
- C. 80 tasks should be completed daily
- D. 80% of tasks are unimportant



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- Answer: A. 80% of results come from 20% of efforts

6 Which strategy involves evaluating daily accomplishments and planning the next day?

- A. Time blocking
- B. Task prioritization
- C. End-of-day review
- D. Multi-tasking

- Answer: C. End-of-day review

7. Which approach involves breaking larger tasks into smaller, manageable steps?

- A. Procrastination
- B. Time blocking
- C. Task decomposition
- D. GTD Methodology

- Answer: C. Task decomposition

8. Effective time management includes:

- A. Ignoring deadlines
- B. Regularly reviewing and adjusting plans
- C. Multitasking on important tasks
- D. Spending time on non-essential activities

- Answer: B. Regularly reviewing and adjusting plans

9. Which technique involves using a timer to work in focused intervals?

- A. Eisenhower Matrix
- B. Pomodoro Technique
- C. GTD Methodology
- D. Time blocking



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- Answer: B. Pomodoro Technique

10 Which is a characteristic of effective time managers?

- A. Reacting to every email immediately
- B. Saying "yes" to every request
- C. Setting boundaries and saying "no" when necessary
- D. Avoiding planning and scheduling

- Answer: C. Setting boundaries and saying "no" when necessary


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To,

Date:01/02/2022

Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),
Aurangabad

Subject: Sanction for the Introduction of the Course " **Soft Skill(Network Managment)** for TE Students
for the Academic Year 2022-23

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your
proposal to introduce the course " **Soft Skill (Network Managment)**" " for the UG students in the CSE
Department for the academic year 2022-23.


We commend your initiative in proposing this course, which aligns with the college's commitment to
providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Soft Skill (Network Managment)"**

Department: CSE

Level: UG

Academic Year: 2022-2


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Aurangabad

Date: 01/02/2022

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in **"Soft Skills Development"** for CSE SE Students for the Academic Year 2022-23

Respected Sir,

I am writing to propose the Introducing a Course in **"Soft Skills Development"** (Communication) for CSE-BE Students for the Academic Year 2022-23

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

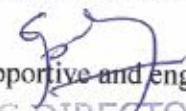
- Improve communication skills for clear and effective interaction.
- Develop emotional intelligence to manage one self and relationships better.
- Enhance teamwork and collaboration skills.
- Foster leadership abilities to inspire and motivate teams.
- Learn time management techniques to boost productivity.
- Strengthen problem-solving and critical thinking skills.
- Adapt to changing environments and handle stress effectively.
- Cultivate customer service skills to improve client interactions.
- Build professional networks and maintain ethical standards..

Course Outline:

- Introduction to Communication
- Tools and Techniques in Communication

Benefits to Students:

- Clarity and Conciseness: Learn to articulate thoughts clearly and concisely, making academic presentations and class discussions more effective.
- Active Listening: Develop listening skills that improve understanding and collaboration with peers and instructors.
- Build better relationships with classmates and teachers, leading to a more supportive and engaging learning environment.
- Teamwork: Enhance collaboration skills essential for group projects, sports teams, and extracurricular activities.


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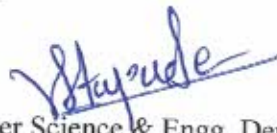
- Gain insights into personal emotions and behaviors, fostering self-improvement and maturity.
- Empathy: Improve empathy and understanding of others, creating a more inclusive and respectful community.
- Prioritization: Learn to prioritize tasks effectively, balancing academic responsibilities with personal activities.
- Increase productivity and reduce stress by mastering time management techniques.
- Cultivate leadership qualities that enable students to take on leadership roles in school organizations and beyond.
- Learn to inspire and motivate peers, fostering a positive and productive team environment.
- Stronger Problem-Solving and Critical Thinking Skills:
 - Enhance analytical thinking, enabling better understanding and solution of complex problems.
- Creative Solutions: Develop creative problem-solving skills, useful in academic projects and real-world scenarios.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our Computer Science & Engg. Department. I kindly request you to consider this proposal and approve the introduction of " **Soft Skills Development**"(*Time Management*) " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name



Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Auranganbad

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. Which tool helps in identifying time-wasting activities?

- A. Time blocking
- B. Task prioritization
- C. Time log
- D. Procrastination


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- Answer: C. Time log

2. Which statement reflects the importance of setting deadlines?

- A. Deadlines should be flexible to accommodate changes
- B. Deadlines are unnecessary for task completion
- C. Deadlines create a sense of urgency and focus
- D. Deadlines should be ignored to reduce stress

- Answer: C. Deadlines create a sense of urgency and focus

3. Which approach involves delegating tasks to others?

- A. Task prioritization
- B. Time blocking
- C. Delegation
- D. Multitasking

- Answer: C. Delegation

4. Which technique involves visualizing tasks and their dependencies?

- A. Task decomposition
- B. Time blocking
- C. Eisenhower Matrix
- D. GTD Methodology

- Answer: A. Task decomposition

5. Effective time management includes:

- A. Working on low-priority tasks first
- B. Avoiding interruptions and breaks
- C. Focusing on tasks with the highest impact
- D. Multi-tasking on several urgent tasks


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- Answer: C. Focusing on tasks with the highest impact

6. Which method involves planning and organizing tasks for the day?

- A. Time logging
- B. Task scheduling
- C. Task decomposition
- D. Procrastination

- Answer: B. Task scheduling

7. Which approach helps in overcoming perfectionism and focusing on completion?

- A. Time blocking
- B. Task prioritization
- C. The "Two-Minute Rule"
- D. Eisenhower Matrix

- Answer: C. The "Two-Minute Rule"


8. Effective time managers prioritize tasks based on:

- A. Complexity
- B. Urgency and Importance
- C. Size of the task
- D. Personal preference

- Answer: B. Urgency and Importance

9 Which strategy involves setting specific time slots for different activities?

- A. Time blocking
- B. Multitasking
- C. Task prioritization
- D. Procrastination



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- Answer: A. Time blocking

10. Which statement reflects a benefit of effective time management?

- A. Increased stress levels
- B. Decreased productivity
- C. Improved work-life balance
- D. Inconsistent task completion

- Answer: C. Improved work-life balance


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Date: 26/04/2022

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Introduction Of BlockChain Technology' for CSE SE Students for the Academic Year 2021-22

Respected Sir,

I am writing to propose the Introducing a Course in 'Introduction Of BlockChain Technology' for CSE-SE Students for the Academic Year 2021-22

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- Blockchain technology decentralizes data storage and processing, reducing dependence on central authorities like banks or governments. This enhances security and resilience against single points of failure.
- Blockchain provides a transparent and immutable ledger of transactions or data. Every participant in the blockchain network can view the entire history of transactions, promoting trust and accountability.
- By removing intermediaries and automating processes, blockchain technology can potentially reduce costs associated with transactions, data storage, and compliance.
- Blockchain facilitates the development of new business models and applications, such as decentralized finance (DeFi), supply chain tracking, and digital identity management, fostering innovation across various industries.
- Once information is recorded on the blockchain, it is extremely difficult to alter or delete, providing a secure and tamper-proof record of transactions or data.

Course Outline:

- Introduction to BlockChain Technology
- Tools and Techniques in BlockChain Technology
- Introduction to Basic of BlockChain Technology
- Tools and Techniques in Basic of BlockChain Technology
- Cryptography Basics for Blockchain


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- Hash functions and digital signatures
- Merkle trees and cryptographic hashing
- Financial services (cryptocurrency, DeFi)
- Supply chain management and logistics
- Healthcare and patient data management

Benefits to Students:

- Blockchain is a cutting-edge technology with applications across various industries.
- Proficiency in blockchain technology enhances students' employability. Many industries, including healthcare, supply chain, and government.
- Studying blockchain involves practical experience in setting up blockchain networks, creating smart contracts, and using cryptographic tools.
- Blockchain technology requires understanding complex concepts like consensus mechanisms and cryptographic algorithms.
- Basic blockchain knowledge lays a strong foundation for pursuing industry-recognized certifications, such as those offered by organizations like Blockchain Council or Ethereum Foundation.
- Students can explore entrepreneurial ventures leveraging blockchain, such as developing decentralized applications (dApps) or launching blockchain-based startups.
- Blockchain is a global phenomenon with a thriving community of developers, entrepreneurs, and researchers.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our Computer Science & Engg. Department. I kindly request you to consider this proposal and approve the introduction of "Introduction Of BlockChain Technology" as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellence In Engg & Management (ICEEM), Aurangabad

Multiple-Choice Questions (MCQs) Test Paper

1. What is Blockchain?

A. A centralized database

(10 Marks)
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- B. A decentralized ledger
- C. A social media platform
- D. A cloud storage service

- Answer: B. A decentralized ledger

2. Which of the following is a key feature of Blockchain?

- A. High transaction fees
- B. Centralized control
- C. Transparency and immutability
- D. Slow transaction processing

- Answer: C. Transparency and immutability

3. Blockchain technology was originally developed for which cryptocurrency?

- A. Bitcoin
- B. Ethereum
- C. Ripple
- D. Litecoin

- Answer: A. Bitcoin

4. What consensus mechanism does Bitcoin use?

- A. Proof of Stake (PoS)
- B. Proof of Authority (PoA)
- C. Proof of Work (PoW)
- D. Delegated Proof of Stake (DPoS)

- Answer: C. Proof of Work (PoW)

5. Which type of Blockchain is permissionless and open to anyone?

- A. Public Blockchain


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B. Private Blockchain

C. Consortium Blockchain

D. Hybrid Blockchain

- Answer: A. Public Blockchain

6. What is a smart contract in the context of Blockchain?

A. A legally binding document

B. A computer program that executes automatically based on predefined conditions

C. A cryptocurrency wallet

D. A digital identity management system

- Answer: B. A computer program that executes automatically based on predefined conditions

7. Which Blockchain platform is known for its focus on supporting decentralized applications (dApps)?

A. Bitcoin

B. Ethereum

C. Hyperledger Fabric

D. Corda

- Answer: B. Ethereum

8. What role do miners play in the Blockchain network?

A. Validators of transactions

B. Developers of smart contracts

C. Auditors of financial records

D. Users of decentralized applications

- Answer: A. Validators of transactions

9. Which organization is responsible for maintaining the Bitcoin network's open-source software?

A. Microsoft


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B. Bitcoin Foundation

C. Ethereum Foundation

D. Litecoin Association

- Answer: B. Bitcoin Foundation

10. What is a fork in the context of Blockchain?

A. A hardware device for storing cryptocurrencies

B. A software update that is not backward compatible

C. A digital signature used for encryption

D. A token issued on a Blockchain platform

- Answer: B. A software update that is not backward compatible



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Aurangabad

To,

Date:01/05/2021

Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),
Aurangabad

Subject: Sanction for the Introduction of the Course " **Introduction Of BlockChain Technology** for SE
Students for the Academic Year 2021-22

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your
proposal to introduce the course " **Introduction Of BlockChain Technology** " for the UG students in the
CSE Department for the academic year 2021-22.

We commend your initiative in proposing this course, which aligns with the college's commitment to
providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Introduction Of BlockChain Technology**

Department: CSE

Level: UG

Academic Year: 2021-22


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Date: 26/04/2022

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Basic Of Blockchain Technology' for CSE SE Students for the Academic Year 2021-22
Respected Sir,

I am writing to propose the Introducing a Course in 'Basic Of Blockchain Technology' for CSE-SE Students for the Academic Year 2021-22

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- Blockchain ensures secure transactions through cryptography, making it difficult for unauthorized parties to alter data or transactions.
- By distributing data across a network of computers (nodes), blockchain reduces the risk of centralized control and single points of failure.
- Blockchain provides a transparent ledger where all participants can view transaction histories, promoting accountability and trust.
- Once data is recorded in a blockchain, it cannot be altered retroactively without the consensus of the network, ensuring data integrity.
- Blockchain can streamline processes and reduce costs by eliminating intermediaries and automating tasks through smart contracts.
- Blockchain enables secure transactions between parties who may not trust each other, using consensus mechanisms to validate transactions.

Course Outline:

- Introduction to Basic of Blockchain Technology
 - Tools and Techniques in Basic of Blockchain Technology
- Executive in Engg. & Mgmt.
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- Cryptography Basics for Blockchain
- Hash functions and digital signatures
- Merkle trees and cryptographic hashing
- Financial services (cryptocurrency, DeFi)
- Supply chain management and logistics
- Healthcare and patient data management

Benefits to Students:

- Blockchain is a cutting-edge technology with applications across various industries.
- Proficiency in blockchain technology enhances students' employability. Many industries, including healthcare, supply chain, and government.
- Studying blockchain involves practical experience in setting up blockchain networks, creating smart contracts, and using cryptographic tools.
- Blockchain technology requires understanding complex concepts like consensus mechanisms and cryptographic algorithms.
- Basic blockchain knowledge lays a strong foundation for pursuing industry-recognized certifications, such as those offered by organizations like Blockchain Council or Ethereum Foundation.
- Students can explore entrepreneurial ventures leveraging blockchain, such as developing decentralized applications (dApps) or launching blockchain-based startups.
- Blockchain is a global phenomenon with a thriving community of developers, entrepreneurs, and researchers.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our Computer Science & Engg. Department. I kindly request you to consider this proposal and approve the introduction of "**Basic Of BlockChain Technology**" as a part of the curriculum for the upcoming academic year.

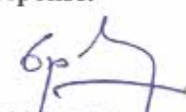
Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellence In Engg & Management (ICEEM), Aurangabad


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International Centre of
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Aurangabad

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Telephone : 0240 - 2558101 to 10 | **Telefax** 0240 - 2558111

Website : www.iceemabad.com | **E-mail :** director@iceemabad.com

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. Which of the following is NOT a benefit of Blockchain technology?

- A. Enhanced security
- B. Increased transparency
- C. Slower transaction speed
- D. Reduced costs

- Answer: C. Slower transaction speed

2. What is the primary advantage of a permissioned Blockchain over a public Blockchain?

- A. Higher security
- B. Lower costs
- C. Faster transaction speed
- D. Decentralization

- Answer: A. Higher security

3. Which consensus mechanism is known for its energy-intensive nature?

- A. Proof of Stake (PoS)
- B. Proof of Authority (PoA)
- C. Proof of Work (PoW)
- D. Delegated Proof of Stake (DPoS)

- Answer: C. Proof of Work (PoW)

4. Which industry is Blockchain technology NOT expected to disrupt?

- A. Healthcare
- B. Real estate
- C. Education
- D. Music

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Answer: C. Education

5. What is a private key in Blockchain?

- A. A public identifier for a Blockchain address
- B. A cryptographic key used for encryption
- C. A unique identifier for a Blockchain transaction
- D. A password for accessing a Blockchain wallet

- Answer: D. A password for accessing a Blockchain wallet

6. What role does cryptography play in Blockchain technology?

- A. Ensuring scalability
- B. Securing transactions and data
- C. Validating smart contracts
- D. Managing consensus mechanisms

- Answer: B. Securing transactions and data

7. What is the purpose of hashing in Blockchain?

- A. Encrypting private keys
- B. Securing transaction details
- C. Generating public keys
- D. Validating smart contracts

- Answer: B. Securing transaction details

8. Which type of attack involves an attacker controlling more than 51% of a Blockchain network's computing power?

- A. DDoS attack
- B. 51% attack
- C. Phishing attack
- D. Malware attack


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- Answer: B. 51% attack

9. Which Blockchain platform focuses on enterprise solutions and business process improvement?

- A. Bitcoin
- B. Ethereum
- C. Hyperledger Fabric
- D. Ripple

- Answer: C. Hyperledger Fabric

10. What is the role of a node in a Blockchain network?

- A. Validating transactions and adding them to the Blockchain
- B. Executing smart contracts automatically
- C. Generating cryptographic keys for wallets
- D. Recording transaction details in a centralized ledger

- Answer: A. Validating transactions and adding them to the Blockchain


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Aurangabad

Date: 01/05/2021

Head of Computer Science & Engg.

International Center Of Excellence In Engg & Management (ICEEM),

Aurangabad

Subject: Sanction for the Introduction of the Course " **Basic Of BlockChain Technology** for TE Students for the Academic Year 2021-22

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Basic Of BlockChain Technology** " for the UG students in the CSE Department for the academic year 2021-22.

We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Basic Of BlockChain Technology**

Department: CSE

Level: UG

Academic Year: 2021-22


CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.
Aurangabad

Date: 26/04/2022

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Advance Of BlockChain Technology' for CSE SE Students for the Academic Year 2021-22

Respected Sir,

I am writing to propose the Introducing a Course in 'Advance Of BlockChain Technology' for CSE-SE Students for the Academic Year 2021-22

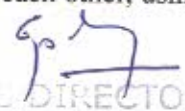
This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- Blockchain ensures secure transactions through cryptography, making it difficult for unauthorized parties to alter data or transactions.
- By distributing data across a network of computers (nodes), blockchain reduces the risk of centralized control and single points of failure.
- Blockchain provides a transparent ledger where all participants can view transaction histories, promoting accountability and trust.
- Once data is recorded in a blockchain, it cannot be altered retroactively without the consensus of the network, ensuring data integrity.
- Blockchain can streamline processes and reduce costs by eliminating intermediaries and automating tasks through smart contracts.
- Blockchain enables secure transactions between parties who may not trust each other, using consensus mechanisms to validate transactions.

Course Outline:

- Introduction to Advance of BlockChain Technology
- Tools and Techniques in Advance of BlockChain Technology


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- Cryptography Basics for Blockchain
- Hash functions and digital signatures
- Merkle trees and cryptographic hashing
- Financial services (cryptocurrency, DeFi)
- Supply chain management and logistics
- Healthcare and patient data management

Benefits to Students:

- Blockchain is a cutting-edge technology with applications across various industries.
- Proficiency in blockchain technology enhances students' employability. Many industries, including finance, healthcare, supply chain, and government.
- Studying blockchain involves practical experience in setting up blockchain networks, creating smart contracts, and using cryptographic tools.
- Blockchain technology requires understanding complex concepts like consensus mechanisms and cryptographic algorithms.
- Basic blockchain knowledge lays a strong foundation for pursuing industry-recognized certifications, such as those offered by organizations like Blockchain Council or Ethereum Foundation.
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- Blockchain is a global phenomenon with a thriving community of developers, entrepreneurs, and researchers.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our Computer Science & Engg. Department. I kindly request you to consider this proposal and approve the introduction of " **Basic Of BlockChain Technology** " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Auranganbad

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. What is the main difference between a Blockchain and a traditional database?

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A. Blockchain is decentralized, while traditional databases are centralized

B. Blockchain has slower transaction processing times

C. Traditional databases use smart contracts

D. Blockchain does not use cryptography

- Answer: A. Blockchain is decentralized, while traditional databases are centralized

2. What is a Merkle Tree used for in Blockchain?

A. Generating public keys

B. Securing transaction details

C. Storing private keys

D. Efficiently verifying the integrity of data in large datasets

- Answer: D. Efficiently verifying the integrity of data in large datasets

3. What is a token in the context of Blockchain?

A. A cryptographic key used for encryption

B. A digital representation of an asset or utility on a Blockchain

C. A private key for accessing a Blockchain wallet

D. A hardware device for storing cryptocurrencies

- Answer: B. A digital representation of an asset or utility on a Blockchain

4. Which term describes the process of adding a block of transactions to the Blockchain?

A. Hashing

B. Mining

C. Forking

D. Staking

- Answer: B. Mining

5. Which Blockchain platform focuses on enabling fast and low-cost international payments?

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- A. Bitcoin
- B. Ethereum
- C. Hyperledger Fabric
- D. Ripple

- Answer: D. Ripple

6. What is a "double-spending" problem in Blockchain?

- A. Spending the same cryptocurrency twice
- B. Paying twice for a single transaction
- C. Using two different cryptocurrencies in one transaction
- D. Transferring funds to multiple addresses simultaneously

- Answer: A. Spending the same cryptocurrency twice

7. Which technology is NOT typically used in conjunction with Blockchain?

- A. Artificial Intelligence (AI)
- B. Internet of Things (IoT)
- C. Virtual Reality (VR)
- D. Machine Learning (ML)

- Answer: C. Virtual Reality (VR)

8. What is the purpose of a "cold wallet" in Blockchain?

- A. Storing cryptocurrency offline for security purposes
- B. Executing smart contracts automatically
- C. Mining new cryptocurrency tokens
- D. Verifying transactions in real-time

- Answer: A. Storing cryptocurrency offline for security purposes

9. Which statement best describes Blockchain's impact on data integrity?


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A. Blockchain ensures data can be easily altered

B. Blockchain reduces data security

C. Blockchain enhances data immutability

D. Blockchain limits data accessibility

- Answer: C. Blockchain enhances data immutability

10. How does Blockchain improve transparency in transactions?

A. By encrypting transaction details

B. By centralizing transaction records

C. By using private keys for access

D. By publicly recording transaction history

- Answer: D. By publicly recording transaction history

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CAMPUS DIRECTOR
International Centre of
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Aurangabad

To,

Date:01/05/2021

Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),

Aurangabad

Subject: Sanction for the Introduction of the Course " **Advance Of BlockChain Technology** for BE Students for the Academic Year 2021-22

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Advance Of BlockChain Technology** " for the UG students in the CSE Department for the academic year 2021-22.

We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Advance Of BlockChain Technology**

Department: CSE

Level: UG

Academic Year: 2021-22

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Telephone : 0240 - 2558101 to 10 | Telefax 0240 - 2558111

Website : www.iceemabad.com | E-mail : director@iceemabad.com

Date:14/07/2019

To,
Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Introduction Of AWS Certification" for CSE SE Students for the Academic Year 2019-20

Respected Sir,

I am writing to propose the Introducing a Course in **Introduction Of AWS Certification** for CSE-SE Students for the Academic Year 2019-20

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- AWS certifications validate the expertise and skills of IT professionals in designing, deploying, and managing applications on the AWS platform.
- AWS certifications enhance career prospects by providing recognition of skills that are in high demand in the cloud computing industry.
- Holding an AWS certification establishes credibility and demonstrates commitment to continuous learning and professional
- Pursuing AWS certification requires candidates to acquire comprehensive knowledge and hands-on experience with AWS services,
- AWS certifications are aligned with AWS best practices and architectural principles,

Course Outline:

- Introduction to **Introduction Of AWS Certification**
- Tools and Techniques in **Introduction Of AWS Certification**
- Definition and benefits of cloud computing
- Key cloud service models: IaaS, PaaS, SaaS


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Website : www.iceemabad.com | E-mail : director@iceemabad.com

- Introduction to AWS as a leading cloud platform
- Regions, Availability Zones (AZs), and Edge Locations
- Understanding AWS data centers and their significance

Benefits to Students:

- AWS certifications are widely respected in the IT industry, showcasing a student's expertise and commitment to cloud technologies. This recognition can enhance their credibility and employability.
- The certification process often involves practical, hands-on exercises and projects. This experience allows students to apply theoretical knowledge in real-world scenarios, reinforcing their learning.
- Holding an AWS certification can open doors to new career opportunities. Many employers specifically look for certified professionals to fill roles in cloud architecture, development, and operations.
- Certification exams validate a student's understanding of AWS services, best practices, and architectural principles. This validation helps build confidence in their skills and knowledge.
- Engaging with AWS communities and events related to certification can provide students with networking opportunities. Connecting with professionals in the field can offer insights and potential career connections.
- AWS certifications are regularly updated to reflect the latest trends and technologies in cloud computing. This ensures that certified individuals are knowledgeable about current industry practices.
- Achieving AWS certification requires dedication and effort, fostering a sense of accomplishment and motivating further learning and growth in students' careers.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our **Computer Science & Engg. Department**. I kindly request you to consider this proposal and approve the introduction of " **Introduction Of AWS Certification** " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Auranganbad

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1.What does AWS stand for?

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Aurangabad

- A. Advanced Web Services
- B. Amazon Web Services
- C. Automated Web Solutions
- D. Agile Web Security

- Answer: B. Amazon Web Services

2. Which of the following is a core service provided by AWS?

- A. Azure
- B. Google Cloud Platform
- C. Lambda
- D. Alibaba Cloud

- Answer: C. Lambda

3. What is the primary benefit of using AWS Cloud services?

- A. On-premises data security
- B. Vendor lock-in
- C. Scalability and elasticity
- D. High capital expenditure

- Answer: C. Scalability and elasticity

4. Which AWS service is used for scalable object storage?

- A. EC2
- B. RDS
- C. S3
- D. IAM

- Answer: C. S3

5. What does EC2 stand for in AWS?


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- A. Elastic Compute Cloud
B. Elastic Container Cloud
C. Elastic Container Service
D. Elastic Cloud Computing

- Answer: A. Elastic Compute Cloud

6. Which AWS service is suitable for deploying and managing containerized applications?

- A. Lambda
B. ECS (Elastic Container Service)
C. RDS (Relational Database Service)
D. S3 (Simple Storage Service)

- Answer: B. ECS (Elastic Container Service)

7. What is the function of AWS Lambda?

- A. Virtual private cloud management
B. Serverless compute service
C. DNS management
D. Content delivery network

- Answer: B. Serverless compute service

8. Which AWS service is used for relational databases in the cloud?

- A. DynamoDB
B. Redshift
C. RDS
D. ElastiCache

- Answer: C. RDS (Relational Database Service)

9. What does IAM stand for in AWS?


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- A. Infrastructure Access Management
- B. Internet Application Management
- C. Identity and Access Management
- D. Integrated Application Monitoring

- Answer: C. Identity and Access Management

10. Which AWS service helps in setting up a virtual private network (VPN) connection?

- A. Direct Connect
- B. Route 53
- C. CloudFront
- D. Glacier

- Answer: A. Direct Connect


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To,
Head of Computer Science & Engg.
International Center Of Excellence In Engg & Management (ICEEM),
Aurangabad

Date:10/07/2019

Subject: Sanction for the Introduction of the Course " **Introduction Of AWS Certification** for SE
Students for the Academic Year 2019-20

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Introduction Of AWS Certification** " for the UG students in the CSE Department for the academic year 2019-20.

We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Introduction Of AWS Certification**

Department: CSE

Level: UG

Academic Year: 2019-20


CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.

Date: 14/07/2019

To,
Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in **'Basic Of AWS Certification'** for CSE SE Students for the Academic Year 2019-20

Respected Sir,

I am writing to propose the Introducing a Course in **Basic Of AWS Certification** for CSE-SE Students for the Academic Year 2019-20

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- AWS certifications validate the expertise and skills of IT professionals in designing, deploying, and managing applications on the AWS platform.
- AWS certifications enhance career prospects by providing recognition of skills that are in high demand in the cloud computing industry.
- Holding an AWS certification establishes credibility and demonstrates commitment to continuous learning and professional
- Pursuing AWS certification requires candidates to acquire comprehensive knowledge and hands-on experience with AWS services,

Course Outline:

- Introduction to **Introduction Of AWS Certification**
- Tools and Techniques in **Introduction Of AWS Certification**
- Students gain a deep understanding of AWS services, including computing, storage, networking, databases, and security.
- By aligning the course content with AWS certification exams, students are prepared to meet industry standards and expectations


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Benefits to Students:

- AWS certifications are globally recognized and respected in the IT industry.
- AWS certifications open doors to a wide range of career opportunities in cloud architecture, development, operations, security, and more.
- Certification courses often include hands-on labs and projects that allow students to gain practical experience working with AWS technologies.
- Students develop proficiency in designing, deploying, and managing scalable, secure, and cost-effective solutions on AWS
- AWS certifications require candidates to stay updated with the latest AWS services, best practices, and trends. This ongoing learning ensures that students remain competitive in a rapidly evolving industry.
- Passing AWS certification exams demonstrates a student's mastery of AWS services, architectures, and best practices.
- Engaging in AWS certification courses allows students to connect with a diverse community of cloud professionals, both peers and industry experts.
- Achieving AWS certification requires dedication and perseverance, fostering a sense of accomplishment and pride in students

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our **Computer Science & Engg. Department**. I kindly request you to consider this proposal and approve the introduction of " **Basic Of AWS Certification** " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Auranganbad


Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. What is Amazon Route 53 used for?

A. Content delivery network

B. Domain Name System (DNS) service


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D. Data archival

- Answer: B. Domain Name System (DNS) service

2. Which AWS service is used for real-time messaging and integration?

A. SNS (Simple Notification Service)

B. SQS (Simple Queue Service)

C. SES (Simple Email Service)

D. SWF (Simple Workflow Service)

- Answer: A. SNS (Simple Notification Service)

3. Which AWS service provides a fully managed NoSQL database service?

A. DynamoDB

B. Redshift

C. Aurora

D. Neptune

- Answer: A. DynamoDB

4. What is the primary use of AWS Elastic Beanstalk?

A. Container orchestration

B. Deploying and managing applications in the cloud

C. Content delivery network

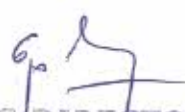
D. Data warehousing

- Answer: B. Deploying and managing applications in the cloud

5. Which AWS service is used for global content delivery and acceleration?

A. CloudFront

B. CloudTrail


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Aurangabad

C. CodeCommit

D. CodePipeline

- Answer: A. CloudFront

6. What is AWS CloudFormation used for?

- A. Configuring virtual private networks
- B. Managing infrastructure as code
- C. Monitoring AWS resources
- D. Performing security audits

- Answer: B. Managing infrastructure as code

7. Which AWS service is used for centralized logging and monitoring?

- A. CloudWatch
- B. CloudTrail
- C. X-Ray
- D. Inspector

- Answer: A. CloudWatch

8. What does AWS Lambda charge based on?

- A. Compute capacity provisioned
- B. Number of invocations and duration
- C. Storage used
- D. Outbound data transfer

- Answer: B. Number of invocations and duration

9. Which AWS service is used for federated single sign-on (SSO)?

- A. IAM
- B. SSO


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C. STS (Security Token Service)

D. Cognito

- Answer: D. Cognito

10. What is AWS Elastic Load Balancing used for?

A. Distributing incoming application traffic across multiple targets

B. Storing data securely in the cloud

C. Managing IAM users and roles

D. Container orchestration

- Answer: A. Distributing incoming application traffic across multiple targets


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Date: 10/07/2019

To,
Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),
Aurangabad

Subject: Sanction for the Introduction of the Course " **Basic Of AWS Certification** for TE Students for the Academic Year 2019-20

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Basic Of AWS Certification** " for the UG students in the CSE Department for the academic year 2019-20.

We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Basic Of AWS Certification.**

Department: CSE

Level: UG

Academic Year: 2019-20


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Telephone : 0240 - 2558101 to 10 | Telefax 0240 - 2558111

Website : www.iceemabad.com | E-mail : director@iceemabad.com

Date: 14/07/2019

To,
Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Advance Of AWS Certification" for CSE SE Students for the Academic Year 2019-20

Respected Sir,

I am writing to propose the Introducing a Course in **Advance Of AWS Certification** for CSE-SE Students for the Academic Year 2019-20


This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- AWS certifications validate the expertise and skills of IT professionals in designing, deploying, and managing applications on the AWS platform.
- AWS certifications enhance career prospects by providing recognition of skills that are in high demand in the cloud computing industry.
- Holding an AWS certification establishes credibility and demonstrates commitment to continuous learning and professional
- Pursuing AWS certification requires candidates to acquire comprehensive knowledge and hands-on experience with AWS services,
- AWS certifications are aligned with AWS best practices and architectural principles.

• Course Outline:

- Introduction to **Advance Of AWS Certification**
- Tools and Techniques in **Advance Of AWS Certificatio**


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- Students gain a deep understanding of AWS services, including computing, storage, networking, databases, and security.
- By aligning the course content with AWS certification exams, students are prepared to meet industry standards and expectations

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- AWS certifications are globally recognized and respected in the IT industry.
- AWS certifications open doors to a wide range of career opportunities in cloud architecture, development, operations, security, and more.
- Certification courses often include hands-on labs and projects that allow students to gain practical experience working with AWS technologies.
- Students develop proficiency in designing, deploying, and managing scalable, secure, and cost-effective solutions on AWS
- AWS certifications require candidates to stay updated with the latest AWS services, best practices, and trends. This ongoing learning ensures that students remain competitive in a rapidly evolving industry.
- Passing AWS certification exams demonstrates a student's mastery of AWS services, architectures, and best practices.
- Engaging in AWS certification courses allows students to connect with a diverse community of cloud professionals, both peers and industry experts.
- Achieving AWS certification requires dedication and perseverance, fostering a sense of accomplishment and pride in students

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our **Computer Science & Engg. Department**. I kindly request you to consider this proposal and approve the introduction of " **Advance Of AWS Certification** " as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Auranganbad

Multiple-Choice Questions (MCQs) Test Paper

(10 Marks)

1. Which AWS service provides scalable, durable object storage in the cloud?

A. EC2

B. RDS

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Aurangabad

C. S3

D. IAM

- Answer: C. S3 (Simple Storage Service)

2. What is the purpose of AWS Glacier?

- A. Real-time messaging and integration
- B. Data archival and long-term backup
- C. Container orchestration
- D. Federated single sign-on

- Answer: B. Data archival and long-term backup

3. Which AWS service provides a managed blockchain service?

- A. Blockchain
- B. Ethereum
- C. Hyperledger Fabric
- D. Amazon Managed Blockchain

- Answer: D. Amazon Managed Blockchain

4. What is AWS Kinesis used for?

- A. Data streaming and real-time analytics
- B. Blockchain development
- C. Machine learning models
- D. DNS management

- Answer: A. Data streaming and real-time analytics

5. What is the purpose of AWS CloudTrail?

- A. Monitoring and logging API calls
- B. Data warehousing


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Aurangabad

C. Virtual private network management

D. Global content delivery

- Answer: A. Monitoring and logging API calls

6. Which AWS service is used for machine learning and AI applications?

- A. S3
- B. Redshift
- C. SageMaker
- D. CloudFront

- Answer: C. SageMaker

7. What is AWS Snowball used for?

- A. Content delivery network
- B. Mass data transfer to/from AWS
- C. Data streaming and analytics
- D. Virtual private network setup

- Answer: B. Mass data transfer to/from AWS

8. Which AWS service is used for DevOps automation and continuous integration/continuous deployment (CI/CD)?

- A. CodeDeploy
- B. CloudFormation
- C. CodePipeline
- D. CodeCommit

- Answer: C. CodePipeline

9. What is AWS Direct Connect used for?

- A. Encrypted data storage
- B. Virtual private network setup


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Aurangabad

To,
Head of Computer Science & Engg.

Date: 10/07/2019

International Center Of Excellence In Engg & Management (ICEEM),
Aurangabad

Subject: Sanction for the Introduction of the Course " **Advance Of AWS Certification** for BE Students
for the Academic Year 2019-20

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your
proposal to introduce the course " **Advance Of AWS Certification** " for the UG students in the CSE
Department for the academic year 2019-20.

We commend your initiative in proposing this course, which aligns with the college's commitment to
providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Advance Of AWS Certification.**

Department: CSE

Level: UG

Academic Year: 2019-20


CAMPUS DIRECTOR
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Aurangabad

Add.: Gut No.4, Opp. Bajaj Auto Ltd. Main Gate, Aurangabad- Pune National Highway, Aurangabad - 431136 (MS) India.

Telephone : 0240 - 2558101 to 10 | Telefax 0240 - 2558111

Website : www.iceemabad.com | E-mail : director@iceemabad.com

Date:08/01/2019

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Introduction Of Full Stack Developer" for CSE SE Students for the Academic Year 2018-19

Respected Sir,

I am writing to propose the Introducing a Course in **Introduction Of Full Stack Developer** for CSE-SE Students for the Academic Year 2018-19

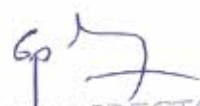
This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

- Full stack developers are proficient in both front-end and back-end development, allowing them to work on all layers of an application or system.
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- By understanding both front-end and back-end development, full stack developers can collaborate effectively with cross-functional teams.
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- Hiring full stack developers can be cost-effective for organizations, as they can perform the work of multiple specialized roles.

Course Outline:

- Introduction to **Introduction Of Full Stack Developer**.
- Tools and Techniques in **Introduction Of Full Stack Developer**.
- Students gain proficiency in both frontend technologies The course typically includes hands-on projects that simulate real-world scenarios.


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Website : www.iceemabad.com | E-mail : director@iceemabad.com

- This practical experience allows students to apply their learning, develop problem-solving skills, and build a portfolio of projects that showcase their abilities to potential employers.
- Students learn how to design and implement scalable, secure, and efficient web applications.
- The curriculum exposes students to a range of tools and technologies commonly used in Full Stack development, such
- Graduates of Full Stack Developer courses are equipped with skills that allow them to adapt to different tech stacks and project requirements
- Working on full stack projects often requires collaboration with frontend developers, backend developers, designers, and other stakeholders.

Benefits to Students:

- Students learn both frontend and backend development, gaining proficiency in languages, frameworks, and technologies used across the entire stack. This versatility makes them adaptable to various project requirements and tech environments.
- Full Stack Developers are in high demand across industries, from startups to large corporations. Completing a Full Stack Developer course enhances students' employability and prepares them for roles such as Full Stack Developer, Web Developer, Software Engineer, or Technical Consultant.
- Students gain a deep understanding of how different components of web applications work together. They learn about frontend technologies (HTML, CSS, JavaScript, frameworks like React or Angular) and backend technologies (Node.js, Python, Ruby on Rails, etc.), as well as databases, APIs, and deployment strategies.
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- Full Stack Developers often work in teams with frontend developers, backend developers, designers, and other stakeholders. The course teaches students how to collaborate effectively, communicate technical concepts, and work towards common project goals.

I believe that introducing this course will significantly benefit our students and enhance the academic standards of our **Computer Science & Engg. Department**. I kindly request you to consider this proposal and approve the introduction of "**Introduction Of Full Stack Developer.**" as a part of the curriculum for the upcoming academic year.

Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Aurangabad

Multiple-Choice Questions (MCQs) Test Paper

CAMPUS DIRECTOR
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(10 Marks)
Aurangabad

1. What does "Full Stack Development" refer to?

- A. Developing applications only for mobile devices
- B. Developing both front-end and back-end parts of an application
- C. Developing applications using only open-source technologies
- D. Developing applications with a single programming language

- Answer: B. Developing both front-end and back-end parts of an application

2. Which programming languages are commonly used for front-end development in Full Stack Development?

- A. Python and Ruby
- B. PHP and Java
- C. HTML, CSS, and JavaScript
- D. C++ and C#

- Answer: C. HTML, CSS, and JavaScript

3. Which technology is primarily used for client-side scripting in web development?

- A. JavaScript
- B. Java
- C. PHP
- D. Ruby

- Answer: A. JavaScript

4. Which of the following is a popular front-end framework in Full Stack Development?

- A. Django
- B. Spring
- C. Express.js
- D. React

- Answer: D. React


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5. What is the role of a front-end developer in Full Stack Development?

- A. Managing databases and server-side logic
- B. Designing user interfaces and implementing features
- C. Deploying applications on cloud platforms
- D. Writing automated tests for applications

- Answer: B. Designing user interfaces and implementing features

6. Which programming languages are commonly used for back-end development in Full Stack Development?

- A. JavaScript and HTML
- B. Python and Ruby
- C. Java and C#
- D. PHP and SQL

- Answer: C. Java and C#

7. What is the primary function of a back-end developer in Full Stack Development?

- A. Designing user interfaces
- B. Managing databases and server-side logic
- C. Writing front-end scripts
- D. Optimizing website performance

- Answer: B. Managing databases and server-side logic

8. Which database type is commonly used in Full Stack Development for relational data management?

- A. NoSQL
- B. MongoDB
- C. MySQL
- D. Redis

- Answer: C. MySQL


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9. Which of the following is NOT a primary responsibility of a Full Stack Developer?

- A. Front-end development
- B. Back-end development
- C. Network administration
- D. Database management

- Answer: C. Network administration

10. What is the purpose of version control systems (VCS) like Git in Full Stack Development?

- A. Managing database schemas
- B. Collaborative coding and version management
- C. Managing server-side logic
- D. Creating user interfaces

- Answer: B. Collaborative coding and version management


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International Centre of
Excellence In Engg. & MGMT.
Aurangabad

To,

Date:10/01/2019

Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),

Auranganbad

Subject: Sanction for the Introduction of the Course " **Introduction Of Full Stack Developer** for SE Students for the Academic Year 2018-19.

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Introduction Of Full Stack Developer** " for the UG students in the CSE Department for the academic year 2018-19.

We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Introduction Of Full Stack Developer.**

Department: CSE

Level: UG

Academic Year: 2018-19.


CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.
Aurangabad

Date: 08/01/2019

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Basic Of Full Stack Developer" for CSE SE Students for the Academic Year 2018-19

Respected Sir,

I am writing to propose the Introducing a Course in **Basic Of Full Stack Developer** for CSE-SE Students for the Academic Year 2018-19


This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

Course Objectives:

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- Full stack developers can quickly prototype ideas and develop minimum viable products (MVPs) due to their ability to handle both client-side and server-side development tasks.
- Hiring full stack developers can be cost-effective for organizations, as they can perform the work of multiple specialized roles.

• Course Outline:

- Introduction to **Basic Of Full Stack Developer**.
- Tools and Techniques in **Basic Of Full Stack Developer**.
- Students gain proficiency in both frontend technologies The course typically includes hands-on projects that simulate real-world scenarios.


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I believe that introducing this course will significantly benefit our students and enhance the academic standards of our **Computer Science & Engg. Department**. I kindly request you to consider this proposal and approve the introduction of "**Basic Of Full Stack Developer**." as a part of the curriculum for the upcoming academic year.


Thank you for considering my request. I am looking forward to your positive response.

Yours sincerely,

Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Aurangabad
Multiple-Choice Questions (MCQs) Test Paper


CAMPUS DIRECTOR
International Centre of
Engineering & Management
Aurangabad
(10 Marks)

1. Which technology is commonly used for building RESTful APIs in Full Stack Development?

- A. AngularJS
- B. Django
- C. Express.js
- D. Spring Boot

- Answer: C. Express.js

2. What is the term used for deploying applications to a remote server in Full Stack Development?

- A. Packaging
- B. Building
- C. Deployment
- D. Hosting

- Answer: C. Deployment

3. Which of the following is a common cloud platform used for hosting applications in Full Stack Development?

- A. Docker
- B. Kubernetes
- C. Heroku
- D. Jenkins

- Answer: C. Heroku

4. Which role focuses on ensuring that an application meets specified requirements before deployment?

- A. Front-end developer
- B. Back-end developer
- C. Quality Assurance (QA) engineer
- D. Database administrator

- Answer: C. Quality Assurance (QA) engineer


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Aurangabad

5. What is the purpose of DevOps in Full Stack Development?

- A. Designing user interfaces
- B. Ensuring seamless integration between development and operations
- C. Writing front-end scripts
- D. Managing server-side logic

- Answer: B. Ensuring seamless integration between development and operations

6. Which tool is used for containerization and orchestration in Full Stack Development?

- A. Docker
- B. Jenkins
- C. Ansible
- D. Terraform

- Answer: A. Docker

7. What does CI/CD (Continuous Integration/Continuous Deployment) aim to achieve in Full Stack Development?

- A. Ensuring that all team members can access the same codebase
- B. Automating the process of testing and deploying code changes
- C. Optimizing database performance
- D. Designing user-friendly interfaces

- Answer: B. Automating the process of testing and deploying code changes

8. What role does a database administrator (DBA) play in Full Stack Development?

- A. Writing front-end scripts
- B. Managing and optimizing database performance
- C. Designing user interfaces
- D. Deploying applications to production

- Answer: B. Managing and optimizing database performance


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9. Which technology allows for real-time, bidirectional communication between web clients and servers in Full Stack Development?


- A. GraphQL
- B. WebSockets
- C. SOAP
- D. RPC

- Answer: B. WebSockets

10. Which architecture pattern promotes separation of concerns in Full Stack Development?

- A. Model-View-Controller (MVC)
- B. Client-Server
- C. Peer-to-Peer (P2P)
- D. Monolithic

- Answer: A. Model-View-Controller (MVC)


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Aurangabad

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Telephone : 0240 - 2558101 to 10 | Telefax 0240 - 2558111

Website : www.iceemabad.com | E-mail : director@iceemabad.com

To,

Date:10/01/2019

Head of Computer Science & Engg.

International Center Of Excellance In Engg & Management (ICEEM),

Aurangabad

Subject: Sanction for the Introduction of the Course " **Basic Of Full Stack Developer** for TE Students for the Academic Year 2018-19.

Dear Name,

I am pleased to inform you that the College Development Committee has reviewed and approved your proposal to introduce the course " **Basic Of Full Stack Developer** " for the UG students in the CSE Department for the academic year 2018-19.

We commend your initiative in proposing this course, which aligns with the college's commitment to providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Basic Of Full Stack Developer.**

Department: CSE

Level: UG

Academic Year: 2018-19.


CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.
Aurangabad

Date: 08/01/2019

To,
Campus Director,
ICEEM
Aurangabad.

Subject: Proposal for Introducing a Course in 'Advance Of Full Stack Developer' for CSE SE Students for the Academic Year 2018-19

Respected Sir,

I am writing to propose the Introducing a Course in **Advance Of Full Stack Developer** for CSE-SE Students for the Academic Year 2018-19

This Soft Skills Development Course is designed to equip participants with essential personal and interpersonal skills required for professional success. The course focuses on enhancing communication, emotional intelligence, leadership, and teamwork abilities, among other critical soft skills. Through interactive sessions, practical exercises, and real-world examples, participants will learn to effectively navigate various professional scenarios and build strong, productive relationships.

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Course Outline:

- Introduction to **Advance Of Full Stack Developer**.
- Tools and Techniques in **Advance Of Full Stack Developer**.
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Name

Head of Computer Science & Engg. Department.

International Center Of Excellance In Engg & Management (ICEEM), Auranganbad

Multiple-Choice Questions (MCQs) Test Paper

6p 7
CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.
(10 Marks)
Aurangabad

1. What is the role of a Full Stack Developer in Agile development methodologies?

- A. Scrum Master
- B. Product Owner
- C. Cross-functional team member
- D. Quality Assurance (QA) tester

- Answer: C. Cross-functional team member

2. Which technology is used for real-time data synchronization between clients and servers in Full Stack Development?

- A. GraphQL
- B. RESTful APIs
- C. WebSockets
- D. JSON

- Answer: C. WebSockets

3. Which of the following is NOT a primary component of the MEAN stack used in Full Stack Development?

- A. MongoDB
- B. Express.js
- C. Angular
- D. Node.js

- Answer: D. Node.js

4. Which development approach involves breaking down a project into smaller, manageable tasks in Full Stack Development?

- A. Agile
- B. Waterfall
- C. Spiral
- D. RAD (Rapid Application Development)


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- Answer: A. Agile

5. Which of the following is a fundamental concept of responsive web design in Full Stack Development?

A. Encapsulation

B. Inheritance

C. Modularity

D. Fluid grid layout

- Answer: D. Fluid grid layout

6. What is the purpose of unit testing in Full Stack Development?

A. Testing the entire application's functionality

B. Testing the integration of front-end and back-end components

C. Testing individual units or components of code

D. Testing the application's user interface

- Answer: C. Testing individual units or components of code

7. Which role focuses on gathering and analyzing user feedback to improve application usability in Full Stack Development?

A. Business analyst

B. User experience (UX) designer

C. Scrum Master

D. Project manager

- Answer: B. User experience (UX) designer

8. What is the role of caching mechanisms in Full Stack Development?

A. Encrypting data during transmission

B. Storing data temporarily to improve application performance

C. Automating deployment processes

D. Managing access control and permissions

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Aurangabad

- Answer: B. Storing data temporarily to improve application performance

9. Which technology is used for handling asynchronous operations in JavaScript in Full Stack Development?

- A. Promises
- B. Callbacks
- C. Observables
- D. All of the above

- Answer: D. All of the above

10 What is the purpose of a package manager like npm (Node Package Manager) in Full Stack Development?

- A. Managing software versions
- B. Managing project dependencies
- C. Managing database migrations
- D. Managing cloud deployments

- Answer: B. Managing project dependencies

Kindly, consider it.

Thank you.


Campus Director


CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.
Aurangabad

To,
Head of Computer Science & Engg.

Date: 10/01/2019

International Center Of Excellence In Engg & Management (ICEEM),
Aurangabad

Subject: Sanction for the Introduction of the Course " **Advance Of Full Stack Developer** for TE Students
for the Academic Year 2018-19.

Dear Name,

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proposal to introduce the course " **Advance Of Full Stack Developer** " for the UG students in the CSE
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providing our students with up-to-date and relevant educational opportunities. Approved Course Details.

Course Title: **Advance Of Full Stack Developer**.

Department: CSE

Level: UG

Academic Year: 2018-19.

6p
CAMPUS DIRECTOR
International Centre of
Excellence In Engg. & MGMT.
Aurangabad

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