

**Detailed report for each program**  
**Theme: Research Methodology**

1/19/2021

SIDTM Mail - Guest Session-2nd October 2020- Mr. Pankaj Mittal



Acads Committee <acads@sidtm.edu.in>

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**Guest Session-2nd October 2020- Mr. Pankaj Mittal**

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Acads Committee <acads@sidtm.edu.in>

Thu, Oct 1, 2020 at 12:29 PM

To: BATCH 2019-21 <batch1921@sidtm.edu.in>

Cc: "Giri Hallur (Dy Director, SIDTM)" <dydirector@sidtm.edu.in>

Dear Batch,

Novel Coronavirus has changed things in all the sectors globally. Amidst this lockdown, it is important to know what can be done post-pandemic to create career opportunities. Keeping these points in mind a session has been organized for the batch 2019-2021.

Details of the session are:

Name of the speaker: Mr. Pankaj Mittal

Name of the company: Digizen Consulting

Designation: Founder & CEO

Name of the topic: Overview of new age technologies- AI/ML & Blockchain

Day & Date: Friday, 2nd October 2020

Time: 11 am - 12.30 pm

Link for the session: <https://meet.google.com/rpa-jhzx-ghd>

**Best Regards,**

**Academics Committee || Class of 2019-21**

**Symbiosis Institute of Digital and Telecom Management**

(Constituent of Symbiosis International (Deemed University))

Symbiosis Knowledge Village, Village Lavale, Mulshi Taluka, Pune-412115

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## Guest Lecture: 2nd October 2020

### Pre GL

- **Name:** Mr. Pankaj Mittal
- **Organization:** Digizen Consulting
- **Conducted By:** ACADS team
- **Purpose of GL:** Overview of new age technologies- AI/ML & Blockchain
- **Request came from:** ACADS team
- LinkedIn profile link: <https://www.linkedin.com/in/pankajmittal1/>
  - GL for Semester (1/2/3/4): **3**
  - Topic: **Research Methodology with Overview of AI/ML and blockchain**

### Benefit to SIDTM:

Students got to learn about the current trends of Blockchain along with Artificial Intelligence(AI)/Machine Learning (ML) on the entire indian economic ecosystem post COVID-19. Further insights were given on the various properties, use-cases & implementations of the same.

### During GL:

- **Notes/Summary of Guest Lecture by:**  
Name of Guest: Mr. Pankaj Mitta  
Designation: Founder & CEO  
Date: 2nd October, 2020

During the session, students learned about the role of various new age technologies like blockchain, AI and ML. Sir started the session by explaining that data protection has become an essential part of the present scenario and how blockchain helps in achieving this. He spoke in detail about various topics like:

- **Impact of Blockchain on the Indian economy**
- **DLT (Distributed Ledger Technology) & its use-cases**
- **Traditional vs Smart Contracts**
- **Properties of Blockchain: Consensus, Immutability and provenance.**

He gave various instances in which the above mentioned aspects of blockchain technology can be used and it would be beneficial to any firm. Moving forward he gave relevant use cases of blockchain technology for eg. component track-and-trace using blockchain technology in the airline industry, using blockchain to help the indian government in collecting taxes, Blockchain based Digital Identity.

The second half of the session started with the concept of "AI in your Pocket". Sir explained in detail about the various principles of AI/ML in the industry and how data exploration will form a major part of all industries in the future. Additionally, sir spoke about the following topics as well:

- **NLP (Natural Language Processing)**
- **Sentiment Analysis**
- **Use cases of AI/ML - AI-based assistants in banking, Smart assistants, Driverless cars etc.**
- **Traditional Programming vs Machine Learning**

He spoke in detail about the various use cases and technological aspects of AI and ML. He explained about the working of an algorithm in both the technologies and the different types of learning like supervised and unsupervised ones.

Sir also explained about the different technologies and tools that are in demand. The lecture ended with a Q&A session where he interacted with the students and cleared the doubts of the students on AI/ML and Blockchain.

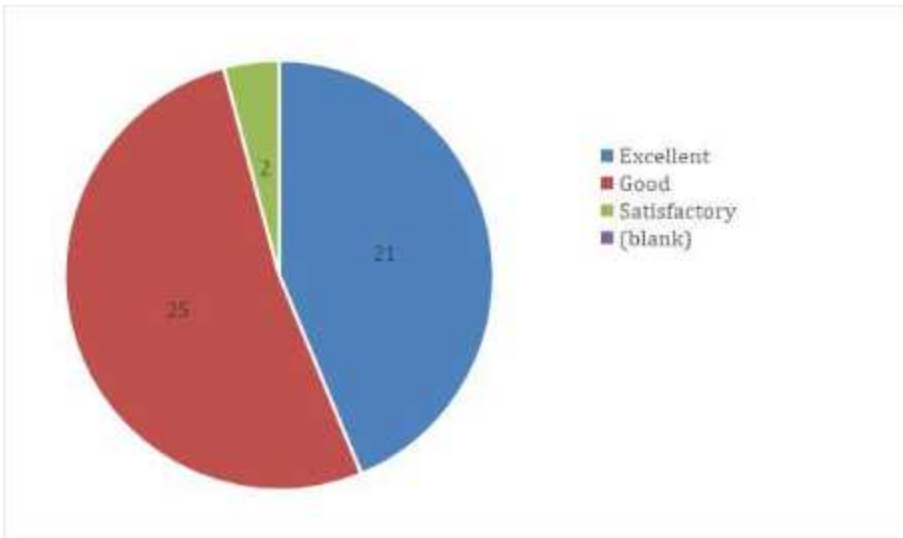
### **Attendance:**



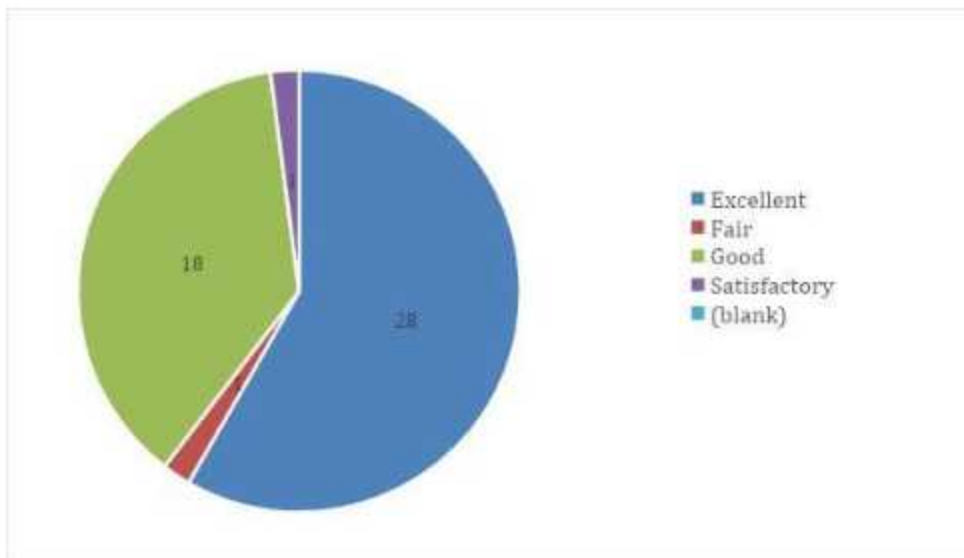
Attendance\_02.10.20.x

### **Feedback from Students:**

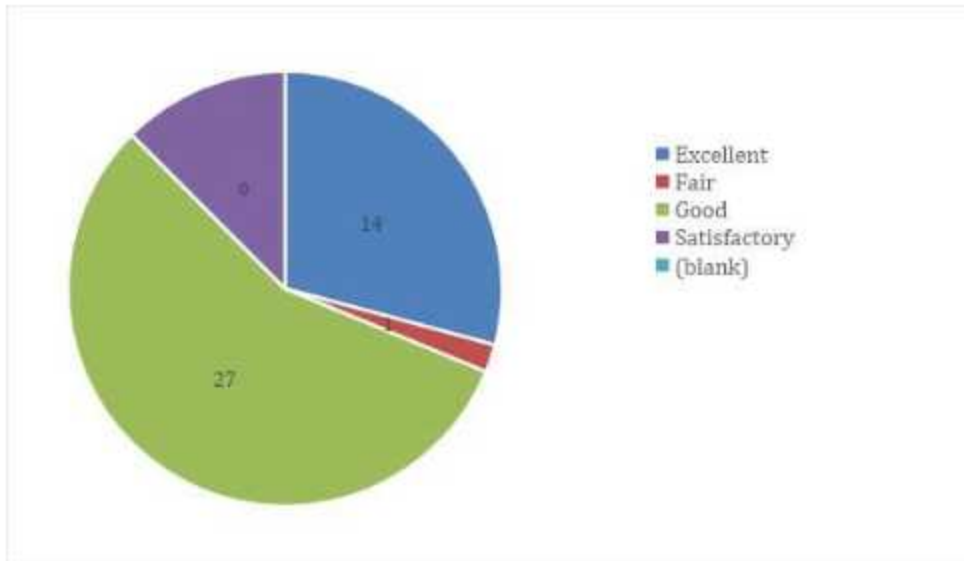
1. Was the guest lecture insightful?



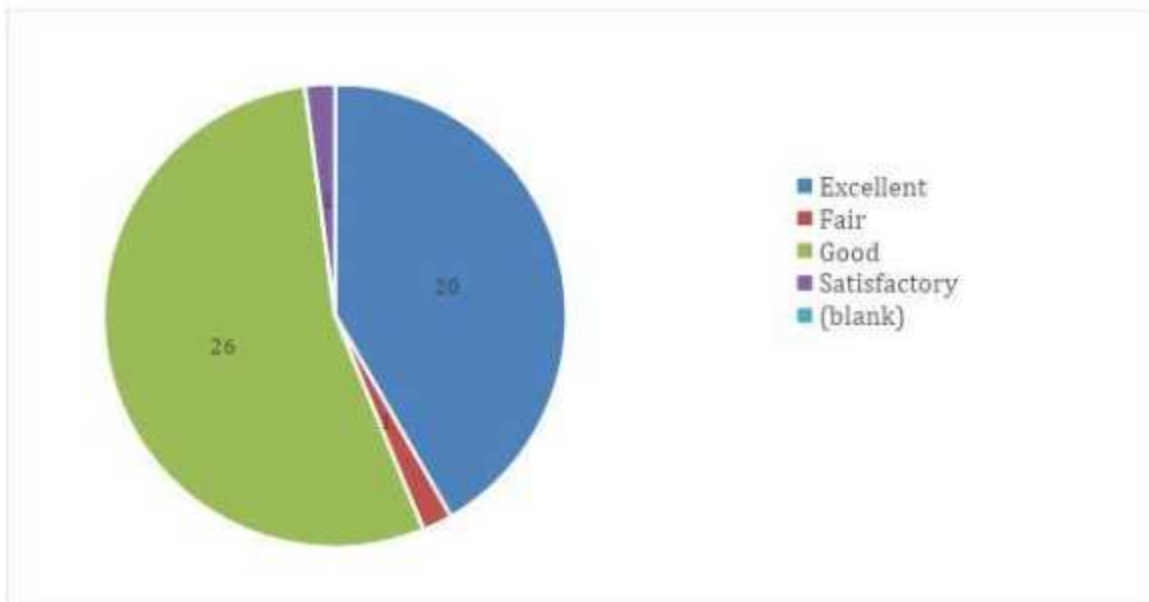
2. The relevance of the content according to you?



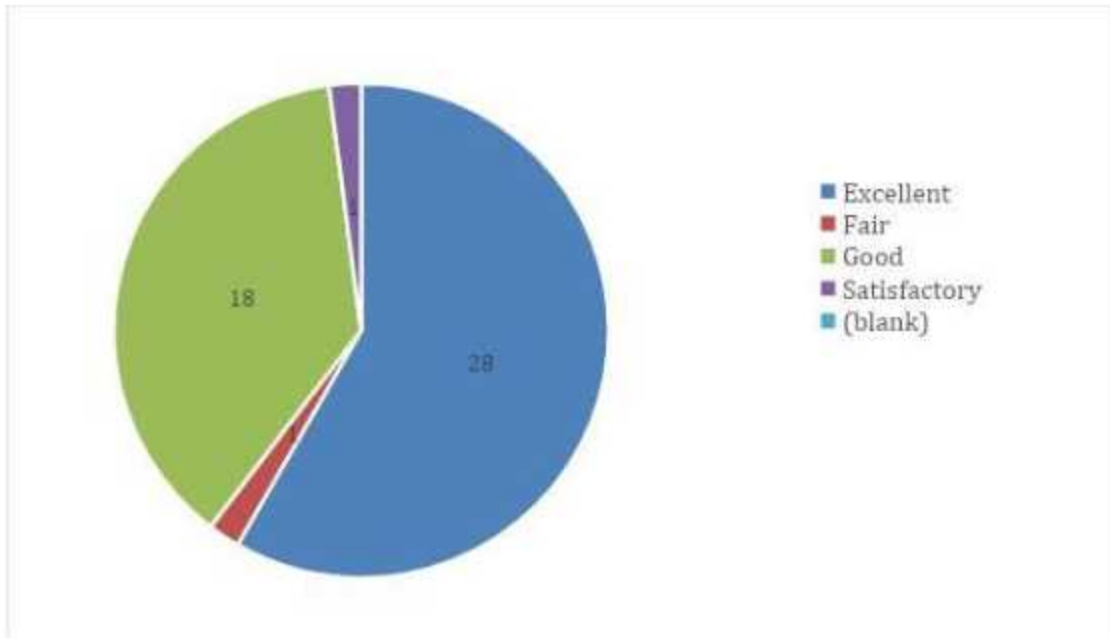
3. What are your views on the Q&A session?



4. How was the format of the session?



5. The expert came up with good and relevant examples?



#### Feedback from some Students:

A very informative and insightful session with a thorough understanding about the principles of blockchain and AI/ML. The Q&A session at the end also helped me understand a few doubts I had

**Soureen Das**

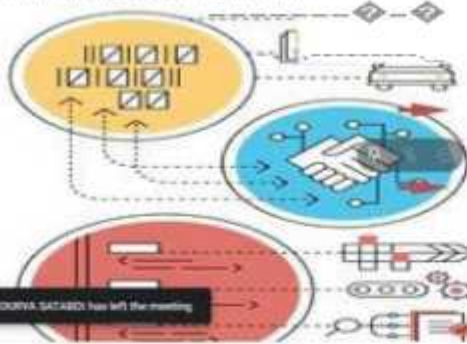
The session was well-explained and engaging in nature. I would love to attend many more Guest Lectures on AI/ML and Blockchain Technology

**Amulya Pathak**

#### Session Images:

## Three Key Elements of Blockchain

Figure 1. Three levels of Blockchain



**Blockchain in Supply Chain**  
 Blockchain can be used to track goods and services from their source to the end user, providing a transparent and secure record of the supply chain. This can help to reduce fraud, improve efficiency, and increase trust between supply chain partners.

**Blockchain in Finance**  
 Blockchain can be used to create digital assets and tokens, which can be traded on digital exchanges. This can help to reduce the cost and time of financial transactions, and increase the liquidity of digital assets.

**Blockchain in Healthcare**  
 Blockchain can be used to create a secure and transparent record of patient health data. This can help to improve the quality of care, reduce the risk of fraud, and increase patient privacy.

Meeting details



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Turn on captions

Turn off captions

## Provenance - Use Case

### What?

Provenance of each component part in complex system  
 - to track  
 Manufacturer, production date, batch and even the manufacturing machine program

### How?

Blockchain holds complete provenance details of each component part  
 Accessible by each manufacturer in the production flow from suppliers and



### Benefits

- 1. Trust increased no authority or bias provenance
- 2. Improvement in system utilization
- 3. recalls "specific" rather than cross fit?



## Photographs

**Three Key Elements of Blockchain**

Figure 1. Three levels of Blockchain

**1. Storing digital records**  
Blockchain allows unprecedented control of information through secure, auditable, and immutable records of not only transactions but digital representations of physical assets.

**2. Exchanging digital assets**  
Users can issue new assets and transfer ownership in real time without banks, stock exchanges, or payment processors.

**3. Executing smart contracts**  
Self-governing contracts simplify and automate lengthy and inefficient business processes.

**Smart rules** Terms and conditions are recorded in the contract's code.

**Implementation** The shared network automatically executes the contract and ensures compliance.

**Verification** Outcomes are validated instantaneously without a third party.

Meeting details: A

Participants: You, LAVANYA BANGA, J, JYOTIRMA CHOLEKAR, P, PRADEE VADVA, M, MOHIT SHENDE, A, Acids Committee, S, SARASH SHARMA.

## Screen Shots of the On line Session

**Provenance - Use Case**

**What?**

- Provenance of each component part in complex system hard to track
- Manufacture, production date, batch and even the manufacturing machine program

**How?**

- Blockchain holds complete provenance details of each component part
- Accessible by each manufacturer in the production process, the aircraft owners, maintainers and government regulators

**Benefits**

- trust increased no authority "owns" provenance
- improvement in system utilization
- recalls "specific" rather than cross fleet

Participants: You, LAVANYA BANGA, J, JYOTIRMA CHOLEKAR, P, PRADEE VADVA, M, MOHIT SHENDE, A, Acids Committee, J, JYANTO CHOWDHARY, S, SAMRA GOSWALE.

## Screen Shots of the On line Session



**Title of the workshops/seminars conducted**

**Research Methodology with Overview of AI/ML and Block chain**

## Details of the resource persons

### Details of the Resource Person:

- Name: Mr. Pankaj Mittal
- Organization: Digizen Consulting
- Conducted By: ACADS team
- Purpose of GL: Overview of new age technologies- AI/ML & Blockchain
- Request came from: ACADS team
- LinkedIn profile link: <https://www.linkedin.com/in/pankajmittal1/>

### Bio of the Resource Person:

Sir is a Digital transformation strategist, TedX Speaker with over 25 years of progressive leadership experience in the IT, security and telecom industries in India and abroad. His experience covers multi geographies & domains in ITeS Service, Banking & Telecom companies & working as IT enabler to business. He has hands-on understanding on Data Center, Security, Cloud & Network solutions across various technologies. He has handled large & complex transformations impacting global outcomes for various businesses during his tenure. He also has a good understanding of emerging technologies like RPA, AI/ML, Cloud & Distributed Ledger Technologies (Blockchain) platforms. He has been a sought-after speaker at various National & International stages on new age technologies.

