



**MANIPAL UNIVERSITY
JAIPUR**

MUJ/Q&C/22/F/1.01

Event Report Format



**MANIPAL UNIVERSITY
JAIPUR**

FACULTY OF ENGINEERING

SCHOOL OF COMPUTER SCIENCE & ENGINEERING

**COMPUTER SCIENCE & ENGINEERING ARTIFICIAL
INTELLIGENCE MACHINE LEARNING**

“TENSORFLOW”

Type of Event – Expert Talk

Date of Event – 27/03/2023



Content of Report (index)

1. Introduction of the Event
2. Objective of the Event
3. Beneficiaries of the Event
4. Details of the Guests
5. Brief Description of the event
6. Geo-tagged Photographs
7. Brochure or creative of the event
8. Schedule of the Event
9. Attendance of the Event
10. News Publication
11. Feedback of the Event
12. Link of MUJ website



1. Introduction of the Event

TensorFlow is a popular open-source software library developed by Google Brain team for building and training machine learning models. It provides a flexible and efficient platform for developing a wide range of machine learning applications, including computer vision, natural language processing, and deep learning. TensorFlow's strength lies in its ability to handle large datasets and complex models, enabling researchers and developers to create sophisticated algorithms and models that can be easily scaled to meet the demands of modern machine learning applications.

2. Objective of the Event

- To Understand the modern Technology TensorFlow
- To train the model using Machine Learning and TensorFlow.
- To understand Why Python for Machine Learning

3. Beneficiaries of the Event

Students and Faculties of Computer Science & Engineering Artificial Intelligence & Machine Learning.

4. Details of the Guests

Mr Gagan Dubey: Tech Trainer, Rishabh Software Dev Pvt Ltd

5. Brief Description of the event

Expert Talk on TensorFlow, organized by Department of Artificial Intelligence & Machine Learning that provide the detail insight on the modern Technology TensorFlow stating how this technology is beneficial in AI & ML. Expert Gagan Dubey, very well described the usage of this technology in various domain needed in Industries.

6. Photographs



Expert Talk_ TensorFlow

16:39

Take control Pop out Chat People Raise React View Apps More Camera Mic Share Leave

Avni Kamra... Mr. Amit K... Gagan Dubey Babita Twa... Shreshtha... Santosh Ku... Participants

Introduction to TensorFlow

TensorFlow

Gagan Dubey, Sr. Technical Trainer
Talent Development
Richabh Software

Participants

Type a name

Share invite

Presenters (3) Mute all

- DS Dr. Deepika Shekhawat [MUJ]
- GD Gagan Dubey External
- MB Mr. Amit Kumar Bairwa [MUJ] Organizer

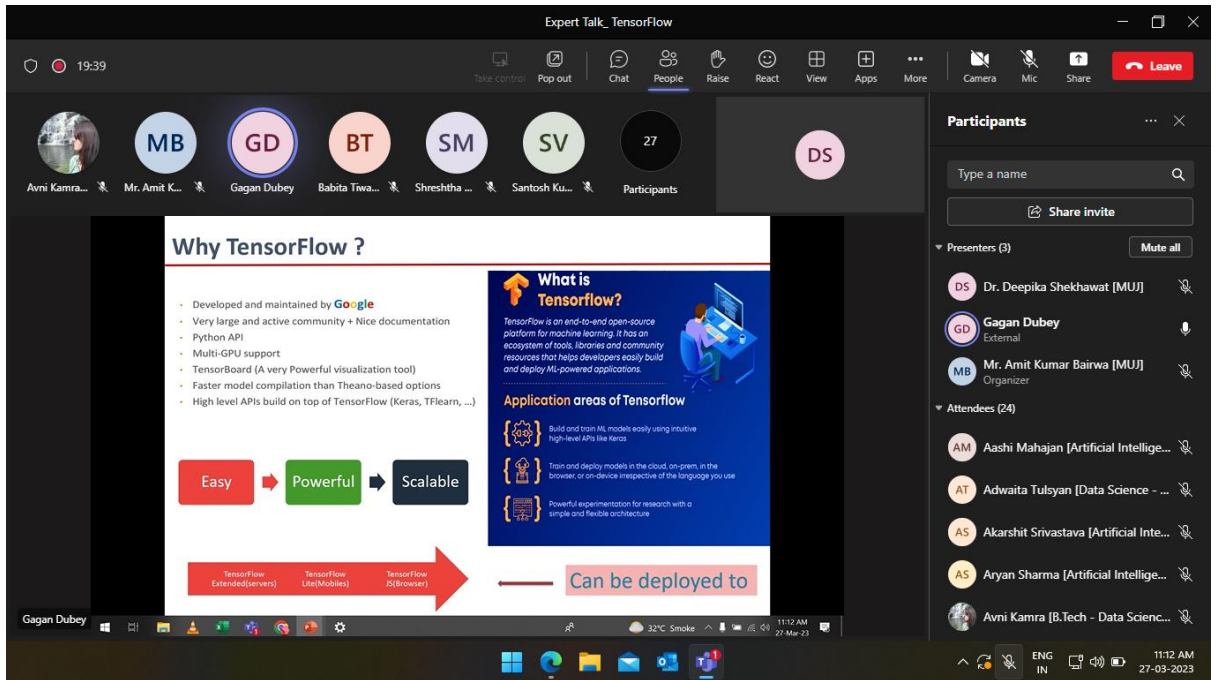
Attendees (22)

- AM Aashi Mahajan [Artificial Intellige...]
- AT Adwaita Tulsyan [Data Science - ...]
- AS Aryan Sharma [Artificial Intellige...]
- Avni Kamra [B.Tech - Data Scienc...]
- BT Babita Tiwari [MUJ]

Gagan Dubey

11:09 AM
27-Mar-23

Introducing the TensorFlow



Why TensorFlow ?

- Developed and maintained by **Google**
- Very large and active community + Nice documentation
- Python API
- Multi-GPU support
- TensorBoard (A very Powerful visualization tool)
- Faster model compilation than Theano-based options
- High level APIs build on top of TensorFlow (Keras, TFlearn, ...)

What is Tensorflow?

TensorFlow is an end-to-end open-source platform for machine learning. It has an ecosystem of tools, libraries and community resources that helps developers easily build and deploy ML-powered applications.

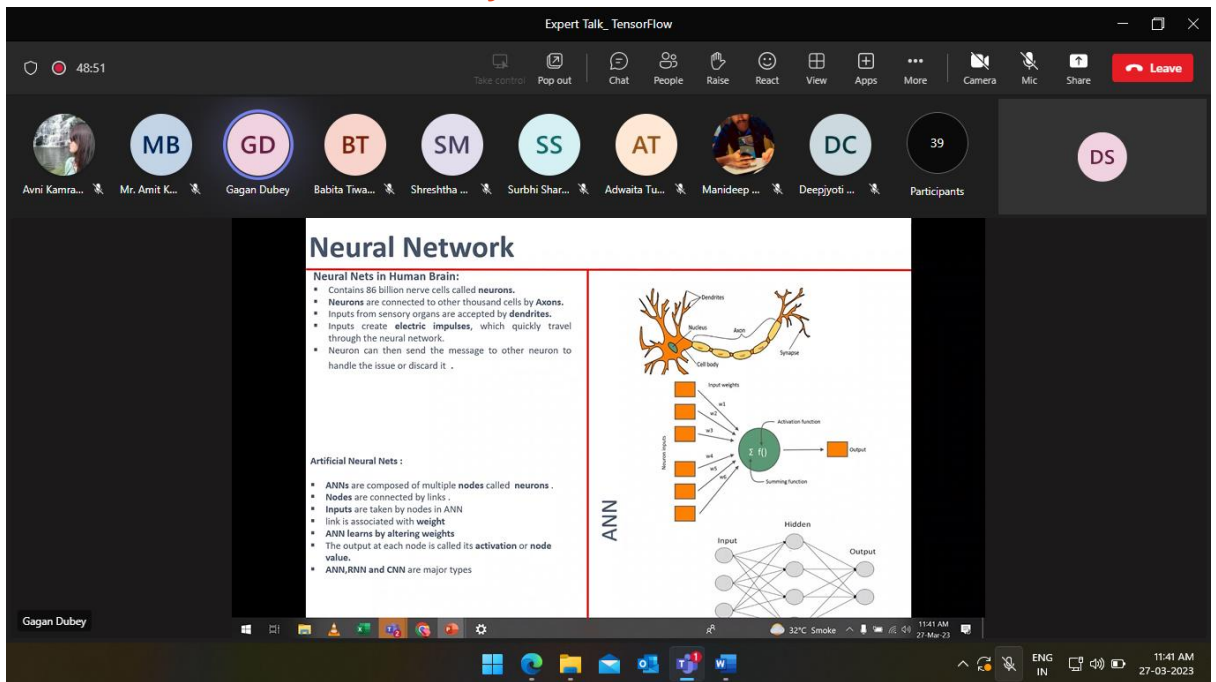
Application areas of TensorFlow

- Build and train ML models easily using intuitive high-level APIs like Keras
- Train and deploy models in the cloud, on-prem, in the browser, or on-device irrespective of the language you use
- Powerful experimentation for research with a simple and flexible architecture

Easy → Powerful → Scalable

TensorFlow Extended(servers) → TensorFlow Lite(Mobiles) → TensorFlow JS(Browser) → Can be deployed to

Why TensorFlow



Neural Network

Neural Nets in Human Brain:

- Contains 86 billion nerve cells called **neurons**.
- Neurons are connected to other thousand cells by **Axons**.
- Inputs from sensory organs are accepted by **dendrites**.
- Inputs create **electric impulses**, which quickly travel through the neural network.
- Neuron can then send the message to other neuron to handle the issue or discard it .

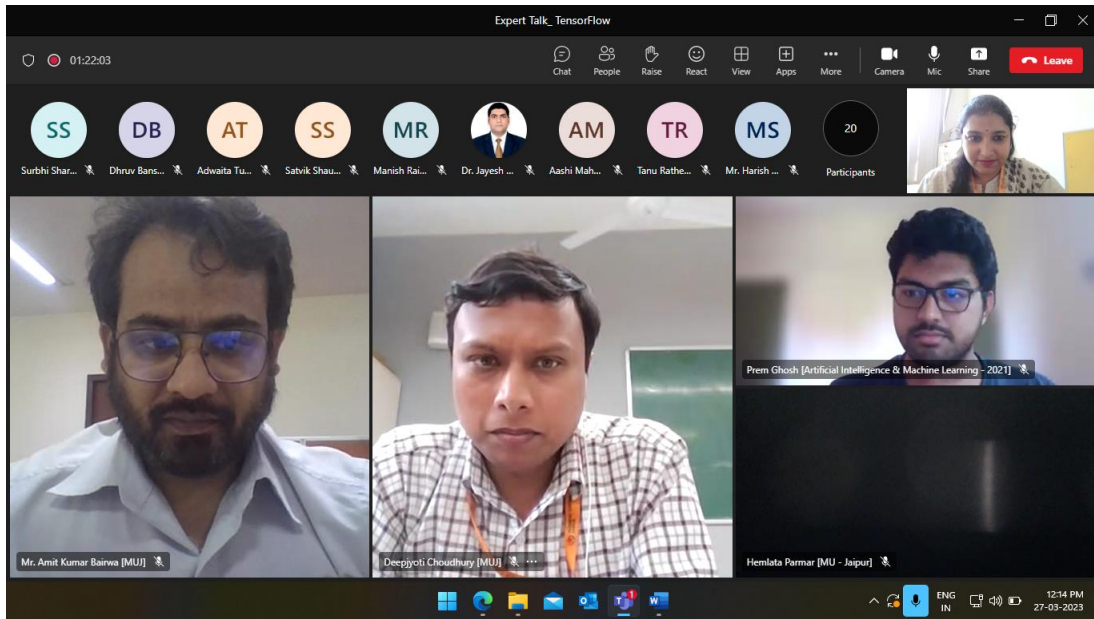
Artificial Neural Nets :

- ANNs are composed of multiple **nodes** called **neurons** .
- Nodes are connected by **links** .
- Inputs are taken by **nodes** in ANN
- link is associated with **weight**
- ANN learns by **altering weights**
- The output at each node is called its **activation** or **node value**.
- ANN,RNN and CNN are major types

Neuron Diagram: Dendrites, Soma, Axon, Cell body, Synapse

ANN Diagram: Input, Hidden, Output, Weights (w1, w2, w3, w4), Activation function (σ), Summing function (Σ)

Introducing Neural Network



7. Brochure or creative of the event (insert in the document only)



**MANIPAL UNIVERSITY
JAIPUR**
(University under Section 2(f) of the UGC Act)

**DEPARTMENT OF
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

AN EXPERT TALK ON

TENSORFLOW

AN OPEN-SOURCE SOFTWARE LIBRARY FOR
MACHINE LEARNING AND DEEP LEARNING



MS TEAMS



MAR. 27



11:00 AM



GAGAN DUBEY
Technical Trainer at Rishabh Software
Vadodara, Gujarat, India

**REGISTER
NOW**



CONVENORS:
DR AMIT KUMAR BAIRWA, CSE (AIML)
DR SANTOSH K VISHWAKARMA, HOD CSE (AIML)



8. Schedule of the event (insert in the report)

Date: March 27,2023

Time: 11:00 AM

Mode: Online (MS Team)

9. Attendance of the Event

10. Total attendee: 58

Sr. No	Name of Institution	Place of Institution	Registration Number/Employee code	Name of Attendee	Name of Dept
1	Manipal University Jaipur	Jaipur	3/27/2023, 10:54:09 AM	Mr. Amit Kumar Bairwa [MUJ]	CSE (AI/ML)
2	Manipal University Jaipur	Jaipur	3/27/2023, 10:54:09 AM	Avni Kamra [B.Tech - Data Science and Engineering - 2020]	IT (Data Science)
3	Manipal University Jaipur	Jaipur	3/27/2023, 10:54:09 AM	Dr. Deepika Shekhawat [MUJ]	CSE (AI/ML)
4	Rishabh Dev Software Pvt.Ltd.	Ahemedabad	3/27/2023, 10:58:56 AM	Gagan Dubey	Expert
5	Manipal University Jaipur	Jaipur	3/27/2023, 10:59:35 AM	Babita Tiwari [MUJ]	CSE
6	Manipal University Jaipur	Jaipur	3/27/2023, 10:59:43 AM	Subham Dudheria[CSE - 2020]	CSE



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7	Manipal University Jaipur	Jaipur	3/27/2023, 11:00:42 AM	Shreshtha Mishra [CSE - 2021]	CSE
8	Manipal University Jaipur	Jaipur	3/27/2023, 11:11:05 AM	Dhruv Bansal [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
9	Manipal University Jaipur	Jaipur	3/27/2023, 11:01:22 AM	Santosh Kumar Vishwakarma [MU - Jaipur]	CSE (AI/ML)
10	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:36 AM	Darshan Baingani [CSE - 2021]	CSE
11	Manipal University Jaipur	Jaipur	3/27/2023, 11:02:34 AM	Surbhi Sharma [MU - Jaipur]	CSE
12	Manipal University Jaipur	Jaipur	3/27/2023, 11:03:02 AM	Nandini Katara [CSE - 2020]	CSE
13	Manipal University Jaipur	Jaipur	3/27/2023, 11:03:06 AM	Adwaita Tulsyan [Data Science - 2021]	IT (Data Science)
14	Manipal University Jaipur	Jaipur	3/27/2023, 11:04:00 AM	Manideep Marrisudi [Data Science - 2021]	IT (Data Science)



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15	Manipal University Jaipur	Jaipur	3/27/2023, 11:04:18 AM	Deepjyoti Choudhury [MUJ]	CSE (AI/ML)
16	Manipal University Jaipur	Jaipur	3/27/2023, 11:46:13 AM	Varun Tiwari [MUJ]	CSE (AI/ML)
17	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:18 AM	Ashish Gupta [CSE - 2020]	CSE
18	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:31 AM	Satvik Shaurya Singh [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
19	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:36 AM	Manish Rai [MU - Jaipur]	CSE
20	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:43 AM	Aryan Sharma [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
21	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:44 AM	Chinmay Shripad Mulay [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)



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22	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:45 AM	Dr. Jayesh Gangrade [MUJ]	CSE (AI/ML)
23	Manipal University Jaipur	Jaipur	3/27/2023, 11:05:59 AM	Dr. Abhay Sharma [MUJ]	CSE
24	Manipal University Jaipur	Jaipur	3/27/2023, 11:06:23 AM	Krutika Maheshwari [B.Tech - Data Science and Engineering - 2020]	IT (Data Science)
25	Manipal University Jaipur	Jaipur	3/27/2023, 11:07:48 AM	Divyangana Raghav [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
26	Manipal University Jaipur	Jaipur	3/27/2023, 11:08:03 AM	Siddhant Krashak [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)



27	Manipal University Jaipur	Jaipur	3/27/2023, 11:08:08 AM	Dampur Krishna [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
28	Manipal University Jaipur	Jaipur	3/27/2023, 11:08:25 AM	Juhi Dixit [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
29	Manipal University Jaipur	Jaipur	3/27/2023, 11:09:25 AM	Aashi Mahajan [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
30	Manipal University Jaipur	Jaipur	3/27/2023, 11:09:38 AM	Akarshit Srivastava [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
31	Manipal University Jaipur	Jaipur	3/27/2023, 11:10:12 AM	Ayush Singh [DATA SCIENCE AND ENGINEERING - 2020]	IT (Data Science)



32	Manipal University Jaipur	Jaipur	3/27/2023, 11:10:36 AM	Vishrut Raj Veeramallu [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
33	Manipal University Jaipur	Jaipur	3/27/2023, 11:11:06 AM	Shashwat Shrivastava [CSE - 2021]	CSE
34	Manipal University Jaipur	Jaipur	3/27/2023, 11:11:43 AM	Naman Sood [CSE - 2020]	CSE
35	Manipal University Jaipur	Jaipur	3/27/2023, 11:12:55 AM	Prem Ghosh [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
36	Manipal University Jaipur	Jaipur	3/27/2023, 11:13:00 AM	Srivaishnavi Yaddanapudi [CSE - 2021]	CSE
37	Manipal University Jaipur	Jaipur	3/27/2023, 11:13:42 AM	Tanu Rathee [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)



38	Manipal University Jaipur	Jaipur	3/27/2023, 11:18:16 AM	Anushka Telang [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
39	Manipal University Jaipur	Jaipur	3/27/2023, 11:14:03 AM	Keshav Kartik Vaishnav [CSE - 2020]	CSE
40	Manipal University Jaipur	Jaipur	3/27/2023, 11:16:41 AM	Mr. Harish Sharma [MUJ]	CSE (AI/ML)
41	Manipal University Jaipur	Jaipur	3/27/2023, 11:18:06 AM	Vansh Dhingra [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
42	Manipal University Jaipur	Jaipur	3/27/2023, 11:18:27 AM	Rishi Gaur [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)



43	Manipal University Jaipur	Jaipur	3/27/2023, 11:19:36 AM	Aditya Kumar Sinha [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
44	Manipal University Jaipur	Jaipur	3/27/2023, 11:43:05 AM	Sushama Tanwar [MU - Jaipur]	CSE
45	Manipal University Jaipur	Jaipur	3/27/2023, 11:20:42 AM	Dr. Susheela Vishnoi [MUJ]	CSE
46	Manipal University Jaipur	Jaipur	3/27/2023, 11:21:15 AM	Priyasha Paul [BSC (Hons Biotechnology) - 2021]	BSC (Hons Biotechnology)
47	Manipal University Jaipur	Jaipur	3/27/2023, 11:21:30 AM	Juhi Singh (Guest)	CSE (AI/ML)
48	Manipal University Jaipur	Jaipur	3/27/2023, 11:30:05 AM	Bhavya Gupta [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)
49	Manipal University Jaipur	Jaipur	3/27/2023, 11:30:11 AM	Anil kumar [MUJ]	CSE
50	Manipal University Jaipur	Jaipur	3/27/2023, 11:33:53 AM	Deepti Sharma [MU - Jaipur]	CSE



51	Manipal University Jaipur	Jaipur	3/27/2023, 11:36:30 AM	Hemlata Parmar [MU - Jaipur]	CSE (AI/ML)
52	Manipal University Jaipur	Jaipur	3/27/2023, 11:37:42 AM	Ankur Jain [MUJ]	CSE
53	Manipal University Jaipur	Jaipur	3/27/2023, 11:39:59 AM	Aryaman Malik [CSE - 2020]	CSE
54	Manipal University Jaipur	Jaipur	3/27/2023, 11:41:11 AM	Ashok Kumar Saini [MUJ]	CSE
55	Manipal University Jaipur	Jaipur	3/27/2023, 11:42:06 AM	Dr. Hemlata Goyal [MUJ]	CSE (AI/ML)
56	Manipal University Jaipur	Jaipur	3/27/2023, 11:45:15 AM	Dr. Akhilesh Sharma (Guest)	CSE
57	Manipal University Jaipur	Jaipur	3/27/2023, 11:45:29 AM	Dr. Nripendra Narayan Das [MU - Jaipur]	CSE
58	Manipal University Jaipur	Jaipur	3/27/2023, 11:51:03 AM	Suryansh Malik [Artificial Intelligence & Machine Learning - 2021]	CSE (AI/ML)

11. News Publication- News printed in newspaper or online links



https://m.facebook.com/story.php?story_fbid=608872981254524&id=100063954826886&mibextid=Nif5oz

12. Feedback report of the Event

The audience was satisfied with the content delivery of the expert and great to learn the new technology in field of Artificial Intelligence.

13. Link of MUJ website stating the event is uploaded on website

Seal and Signature of Head with date