



RAJEEV INSTITUTE OF TECHNOLOGY

HASSAN- 573 201, KARNATAKA

(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi.)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



RAJEEV INSTITUTE OF TECHNOLOGY

Department of CSE and ISE

Building Image

Classification Model

using Deep learning

AI+

Artificial Intelligence

Accelerator

Tech Talk

with

Dr. Aravind C V

Professor, Dept. of CSE,

NITTE deemed to be University

N.M.A.M Institute of Technology, Nitte.

22nd Oct 2022, Venue: Seminar Hall



Attendees

Faculties of VTU Affiliated College from Rajeev Institute of Technology, Hassan.

The below-listed faculties & students participated in Program.

1. Faculties of Dept CSE & ISE.
2. Students of Dept of CSE & ISE from 5th semester.

REPORT ON

Technical Talk on “Building Image Classification Model using Deep Learning”

Resource Person :



Dr. Aravinda C V, Professor, CSE, N.M.A.M Institute of Technology, NITTE

Dr Aravinda C.V has obtained his Research fellow at the Ritsumeikan University 1-1-1 Nojihigashi, Kusatsu Shiga 525- 8577 Japan from January 2020 to April-2020. His Fellowship research work at the Ritsumeikan University was on “An Ancient Asian Character Recognition Using Deep Learning”, at Department of Electronic and Computer Science Engineering, Graduate School of Science and Engineering, Ritsumeikan University, Japan, Under the Guidance of Dr Lin Meng Professor Department of Electronic and Computer Science Engineering, Ritsumeikan University Japan. He obtained his Ph.D. in Computer Science and Engineering from Visvesvaraya Technological University Belagavi, India, in 2016. For his PhD thesis, he worked on the South Indian Handwritten Character Recognition. He has published more than 20 research papers in high quality international journals and conference proceedings. He has further developed a strong collaboration with many national and international laboratories/universities in Australia, India and Japan. He has served as a conference organizing chair, organizing committee member, and program committee member in various international conferences and workshops, His research interest includes Big Data analysis, statistical data modelling, symbolic data analysis, human perception modelling, pattern recognition, image processing, document image analysis and recognition, and biometrics (Signature/Writer identification/verification).

He has been awarded from I2OR (INTERNATIONAL INSTITUTE OF ORGANIZED RESEARCH NEW DELHI) AS “I2OR Outstanding Research Award 2017. He Visited South Korea Daegu on Nov 3 and Nov 14 CCEI –Global Innovative Fest 2017 held on 3rd Start-up Fest at Daegu South Korea. Got shortlisted for the final presentation. He Secured First Prize for Faculty Start-up Project “Ayushman app” Organised by AICTE, Ministry of India, IIT Chennai, “India International Science Fest” at IIT Chennai on October 13 and 14 -2017.

He received Appreciation in Swadeshi Start-up meet IIT Delhi for the project “Multi-Objective Smart Cane for Blind People Navigation with Colour Sonification Technique”.



Course Objectives:

- How to set up an coding environment made for deep learning models.
- How to connect with a popular image classification dataset (Pascal VOC)
- How to create a deep learning convolutional neural network using the combination of Keras & Tensor flow
- How to efficiently train a deep learning model using a data generator
- How to evaluate the data generator performance

Course benefits:

This talk covers everything we need to know about image classification – the computer vision task of identifying what an image represents. Today, the use of convolutional neural networks (CNN) is the state-of-the-art method for image classification.

Report on formal function:

Rajeev Institute of Technology, Hassan, organized a day technical talk on “Applications of Data Structures in Industries” for faculties of Dept of CSE & ISE of VTU affiliated colleges & Students from Rajeev Institute of Technology, Hassan, on 12/07/2022.

The **Technical Talk** started at 10:00 AM on 22-10-2022 with greetings and inviting the dignitaries and resource person presented by Dr Arjun B C, Associate professor and Head, Department of ISE, RIT, Hassan.

The Technical Talk started at 10.00 AM as per schedule.

Outcome of the talk:

The programme aims for understanding the applications of image processing classification models, and Key speaker discussed the Deep learning usage in classification of images by considering medical domain in malaria cells classification.



RAJEEV INSTITUTE OF TECHNOLOGY

HASSAN- 573 201, KARNATAKA

(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi.)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING



SNAPSHOTS





RAJEEV INSTITUTE OF TECHNOLOGY

HASSAN- 573 201, KARNATAKA

(Affiliated to VTU, Belagavi., Approved by AICTE, New Delhi.)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING





Feedback of Participants on Technical Talk on “Building Image Classification Model using Deep Learning”

Full Name	Department	The Talk was valuable & added to my understanding of knowledge about the topic	The content of the Talk met the expectations of the participants	Rate the resource person presentation skill	How would you rate overall experience of this Talk?	How likely are you to recommend this Talk?
Faculties of CSE	CSE	4	5	5	4	5
Faculties of ISE	ISE	4	5	5	4	5
Students of CSE	CSE	4	5	5	4	5
Students of ISE	ISE	4	5	5	4	5