

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR (M.P.), INDIA A Gave Aided UGC Autonomous Institute, Affiliated to RGPV, Bhopal (M.P.), India NAAL ACCREPATED WITH ASS. GRADE.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON "FUNDAMENTALS OF DEEP LEARNING" IN ASSOCIATION WITH NVIDIA DEEP LEARNING INSTITUTE (DLI)

Activity Details

· Activity Title: Workshop on Fundamentals of Deep Learning

Day & Date: Sunday, 11-02-2024

Time: 10:00 AM Onwards
 Venue: Conclave Center

Total Number of Participants: 100

Speaker: -

Speaker: Mr. Arun Kumar, Data Research scientist NVIDIA DLI Instructor and University

Ambassador

Convener: -

Dr. Manish Dixit

Faculty Coordinators: -

Dr. Parul Saxena

Prof. Hemlata Arya

Introduction

The Department of Computer Science and Engineering, MITS Gwalior conducted a workshop on the Fundamentals of Deep Learning at the Conclave Center on February 11, 2024, from 10:00 AM onwards, coordinated by Dr. Parul Saxena and Prof. Hemlata Arya, and convened by Dr. Manish Dixit (Prof & Head of CSE Department). Mr. Arun Kumar (Data Research Scientist and NVIDIA DLI Instructor with Ph.D. from IIT Roorkee) was the resource person in this workshop.

The session started with a warm welcome speech delivered by a second-year B. Tech student, setting the tone for the day. This was followed by Saraswati Vandana, a cultural aspect that added a touch of tradition to the workshop. Prior to the Saraswati Vandana ceremony, a lamp was

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ceremoniously lit, symbolizing the illumination of knowledge and the auspicious beginning of the workshop.

Mr. Arun Kumar commenced the session with an introduction, guiding the 81 participating students through the first step of registration on the NVIDIA website. The workshop covered key topics such as Introduction to Deep Learning, Neural Trains, Convolution Neural Trains, Data Augmentation and Deployment, Pre-trained Models, and Advanced Architecture and other useful insights of Deep Learning. The participants actively engaged in discussions and practical activities facilitated by Mr. Arun Kumar. Towards the end, each student was assigned an assignment, and upon successful submission, workshop completion certificates were generated, recognizing their understanding of deep learning fundamentals. The workshop received positive feedback for its comprehensive coverage and practical insights, contributing to the continuous learning and skill development of the students in the dynamic field of deep learning. The department expresses its commitment to organizing more such workshops to enhance the academic experience of its students.

Towards the end, Dr. Parul Saxena and Prof. Hemlata Arya gave a thoughtful close-out speech, expressing gratitude and summarizing the key takeaways from the workshop.

There were the following Objectives and Outcomes from this Workshop:

Objectives:

Knowledge Enhancement: The workshop aimed to enhance participants' understanding of deep learning fundamentals, covering topics like neural networks, convolutional neural networks, data augmentation, pre-trained models, and advanced architecture.

Hands-On Application: The objective was to facilitate hands-on learning through assignments, allowing participants to apply theoretical knowledge and develop practical skills in deep learning concepts.

Outcomes:

Skill Development: Successful completion of the workshop and assignment submissions resulted in the generation of certificates, indicating participants' development of both theoretical understanding and practical skills in deep learning.

Positive Feedback and Continuous Learning: Positive feedback and the department's commitment to organizing more workshops highlight the success of the event, showcasing a demand for continuous learning and skill development in the dynamic field of deep learning, Participant engagement in discussions and practical activities contributed to an enriching learning experience.

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Thank you all for contributing to the success of this workshop!

Some Captured Moments during this workshop are attached below:

ार्थीय ग बहुला

माधव इंस्टीट्यूट ऑफ़ टेक्नोमॉजी एंड साइंस म्वास्थिर में डीप सर्निंग संस्थान के एसोतिएशन में एनविडिया प्रमाणित कोर्स पर एक-दिवसीय कार्यशाला का आयोजन हुआ संपन्न



एनविडिया प्रमाणित कोर्स पर कार्यशाला का आयोजन-एमआईटीएस



विद्यार्थियों को दी डीप लर्निंग के मौलिक सिद्धांतों की जानकारी

एनआईटीएस में कार्यशाला आयोजित.

उत्कृष्ट ज्ञान और प्रशिक्षण प्रदान किया



ग्वालियर। माधव इंस्टीटयुट ऑफ टेक्नोलॉजी एण्ड साइस के कंप्यूटर साइस विभाग में डीव लर्निंग संस्थान के सहयोग से एनविडिया द्वारा प्रमाणित कोर्स के साथ 'फडामेंटल्स ऑफ डीप लर्निम' विषय पर एक-दिवसीय कार्यशाला का आयोजन किया गया । संस्थान के जनसम्पर्क अधिकारी मुकेश मौर्य ने बताया कि कार्यशाला की शुरूआत समन्वयक डॉ. पारुल सक्सेना एवं हेमलता आर्य द्वारा की गई। तत्पश्चात विभिन्न तकनीकी विषयो पर उत्कृष्ट ज्ञान और प्रशिक्षण प्रदान किया गया । इस कार्यशाला का उद्देश्य डीप लर्निंग के मौलिक सिद्धांतों को समझने और अध्ययन करने का है । कार्यशाला में विभिन्न सत्रों के माध्यम से न्यूरल नेटवर्क, डेटा प्रसंस्करण, मॉडल ट्रेनिंग और अन्य महत्वपूर्ण विषयों पर चर्चा की गई (मशीन लर्निंग एवं डीप लिनेंग पर आधारित कार्यशाला में न्यूरल नेटवर्क, ऐविटवेशन फंबशंस, मशीन एवं डीप लर्निंग के उत्कृष्ट मॉडल्स एवं समाज के लिए इन मॉडल्स की महत्वपूर्ण उपयोगिता तथा डेटासेट पर आयोजित विभिन्न सेशन के बाद सर्टिफिकेशन की उपयोगिता बताई गई। साथ ही आईआईटी उन्हाज़ी से पीएचडी और एनवीडिया के डेटासाइटिस्ट डॉ. अरुण कुमार दारा वताएगए हैं इस ऑन सेशन में अपनी रुचि दिखाई । इस अवसर पर विशेष रूप से विभागाध्यक्ष डॉ. मनीष दीक्षित एव संस्थान के निवेशक डॉ.आर.के.पंडित मीजूद रहे।



डीप लर्निंग के मौलिक सिद्धांतों को समझने और अध्ययन करने की जरूरत



लर्निंग के मौलिक सिद्धांतों को समझने और अध्ययन करने की

ं हिन्दुस्तान एक्सप्रेस

डीप लर्निंग के मौलिक सिद्धांतों पर हुई कार्यशाला









Prof. Hemlata Arya

Dept. of CSE

Dr. Parul Saxena

Dept. of CSE

Dr. Manish Dixit

Professor & Head

Dept. of GSIDixit Professor & HOD

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