



Activity Request form

Academic Year	2020-21		
Department/Section/ Committee/Cell	Department of ECE		
Name of the Activity	Value added course on Computer Vision		
Target Audience	ECE Students		
Activity Date(s)	07/12/2020, May – June 2021	Time	--
Venue	Online mode		
Resource Person	Dr. Sachin Bhat, Dept. of ECE		

Expected expenditure		
S. No.	Description	Amount
	Nil	Nil
Total		Nil

(Add rows if required)

Source of fund (Sponsorship/Regi7sstration fee)		
S. No.	Description	Amount
	Nil	Nil
Total		Nil

(Add rows if required)

Financial support required from the Institute	Nil
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Name of the Department ISTE Coordinator	Signature with date
 Name of the HoD Dept of E&C Engg.	 Signature with date

SMVITM, BANTAKAL - 574 115

SHRI MADHWA VADIRAJA
 INSTITUTE OF TECHNOLOGY & MANAGEMENT
 Vishwothama Nagar, Udupi Dist.
 BANTAKAL - 574 115

Remarks by IQAC

May be conducted


Signature 6/12/20

Remarks by Principal

Proceed
of
MSCOP
6/12/20

Signature


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SHRI MADHWA VADIRAJA INSTITUTE OF
TECHNOLOGY AND MANAGEMENT



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Organizing

Value Added Course

On

COMPUTER VISION

Date:

07-12-2020 To 20-06-2021

**SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT, BANTAKAL
(Accredited with grade 'A' by NAAC)**



Presents

**VALUE ADDED COURSE
On
"Computer Vision"**

Organized by

**Department of
Electronics & Communication Engineering**

Coordinated by

**Dr. Sachin S Bhat, Associate Professor and Head
Dept. of ECE**



**Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115**

ABOUT THE COURSE

This course is devoted to address the need to enhance the knowledge about the latest technologies pertaining to Computer Vision.

Computer Vision is the science of getting computers to act without being explicitly programmed. This area is of utmost importance as there is a significant and growing demand for artificial intelligence (AI) professionals and researchers in businesses, public agencies, and nonprofits organisations. This course would provide participants with the guidelines to explore the area of ML-DL-NLP and its application. The participants would learn to develop methods for solving problems related to diverse computational fields. This programme will introduce to participants the various skills that go into machine learning, provide practical walk-through of relevant languages, tools and lay down a study plan for moving forward in this field.

COURSE CONTENTS

Module	Topics	Duration
1	AI and Bigdata, Can data lead to intelligence?	10hrs
2	Computational Linguistic and Natural Language Processing	10hrs
3	Deep Learning and Cloud Computing	10hrs

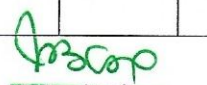
COURSE OUTCOME

CO No.	At the end of the course, Students will be able to	Bloom's Level
CO1	understand advanced developments under the fields of ML-DL	L3
CO2	provide solution and demonstrate real life problems with valid interpretation and conclusion based on the knowledge acquired on ML and DL algorithms	L3
CO3	Implement deep learning algorithm to solve image classification problem	L3

Cognitive levels as per Bloom's Taxonomy: L1-Remembering, L2-Understanding, L3-Applying, L4-Analyzing, L5-Evaluating & L6-Creating

Mapping of COs with POs (Course articulation matrix)

	Engineering Knowledge	Problem Analysis	Design & Development of Solutions	Conduct Investigations of Complex Problems	Usage of Modern Tools	Engineer & Society	Environment Sustainability	Ethics	Individual & Team Work	Communication	Project Management Finance	Life-long Learning		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	2	2	2	2	2									
CO2	2	2	2	2	2									
CO3	2	2	2	2	2									


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COURSE DELIVERY SCHEDULE

Module	Topics Covered	Resource Person	Mode of Delivery	Date on which topics covered
1	The Promise of Analytics	Dr. Sachin Bhat	Offline	07-12-20
1	Algorithms Today	Dr. Sachin Bhat	Offline	07-12-20
1	State of art Analytics	Dr. Sachin Bhat	Offline	07-12-20
1	Analytics for India	Dr. Sachin Bhat	Offline	07-12-20
1	Power conservation: Device prediction via ML	Dr. Sachin Bhat	Offline	07-12-20
1	Global Terrorism Database	Dr. Sachin Bhat	Offline	07-12-20
1	Sentiment Analysis	Dr. Sachin Bhat	Online	25-05-21
1	Mahabharata: Text and Sentiment Analytics	Dr. Sachin Bhat	Online	25-05-21
1	Ramayana as per Graph theory	Dr. Sachin Bhat	Online	25-05-21
1	Ramayana - Text Analytics	Dr. Sachin Bhat	Online	25-05-21
2	Data Analytics on Knowledge Structures	Dr. Sachin Bhat	Online	26-05-21
2	The Original AI	Dr. Sachin Bhat	Online	26-05-21
2	The Philosophy of AI: Is Intelligence beyond data processing?	Dr. Sachin Bhat	Online	26-05-21
2	Searle's Chinese Room Argument	Dr. Sachin Bhat	Online	27-05-21
2	Loebner Prize and the Turing Test	Dr. Sachin Bhat	Online	27-05-21
2	What AI hasn't done yet?	Dr. Sachin Bhat	Online	27-05-21
2	How Artificial AI, ML, DL are related?	Dr. Sachin Bhat	Online	28-05-21
2	Why Deep Learning is better?	Dr. Sachin Bhat	Online	28-05-21
2	Feature vector and label	Dr. Sachin Bhat	Online	28-05-21
2	Types of Neural Networks	Dr. Sachin Bhat	Online	29-05-21
3	Challenges of Natural Language	Dr. Sachin Bhat	Online	01-06-21
3	Resources available for NLP Researches	Dr. Sachin Bhat	Online	01-06-21
3	Python packages used for Implementation of Deep Learning techniques	Dr. Sachin Bhat	Online	01-06-21
3	CNN	Dr. Sachin Bhat	Online	09-06-21
3	Convolution layers	Dr. Sachin Bhat	Online	09-06-21
3	Activation function	Dr. Sachin Bhat	Online	09-06-21
3	Optimization	Dr. Sachin Bhat	Online	09-06-21
3	Hyperparameters	Dr. Sachin Bhat	Online	09-06-21
3	ImageNet implementation	Dr. Sachin Bhat	Online	09-06-21
3	Introduction to Cloud Computing	Dr. Christina Jospheh	Online	20-06-21



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Vishwathama Nagar, Bantakal - 574 115, Karnataka, India

SMVITM

Department of Electronics and
Communication Engineering
is organizing a Webinar on
**Cloud Computing, Microservices and
Docker Containers**
by



Dr. Christina Terese Joseph
Assistant Professor
Dept. of Computer Science and Engineering
IIIT, Kottayam

Tuesday, 20 July 2021 at 2:00 PM
Gmeet Link: meet.google.com/gpu-ecgz-tov

Other Information about the course

Target Audience	Final year students
Total number of Students enrolled for this course	44
Total Fee collected	0
Total number of classes held	30
Portion coverage	100%
Expenditure for this course	Nil

Comments/Suggestions by the Course Coordinator

Comment/Observations	Suggested Actions
Scope of the course can be expanded by including the latest trends of NLP.	More resources persons with expertise in ML/NLP can be invited to the program

Signature of

Course Coordinator

Date: 08/08/21

H O D

Date: 08/08/21

Head
Dept of E&C Engg.
SMVITM, BANTAKAL - 574 115

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Attendance Sheet:

SN	USN	Name	07/12	25/05	26/05	27/05	28/05	01/06	09/06
1.	4MW17EC001	ABHIJITH	P	P	P	P	P	P	P
2.	4MW17EC002	ADARSHA HEBBAR	P	P	P	P	P	P	P
3.	4MW17EC003	ADITYA K	P	P	P	P	P	P	P
4.	4MW17EC004	AKHILA K V	P	P	P	P	P	P	P
5.	4MW17EC005	AKSHATHA P UPADHYA	P	P	P	P	P	P	P
6.	4MW17EC006	AMRIT T NAIK	P	P	P	P	P	P	P
7.	4MW17EC014	CHETHANA	P	P	P	P	P	P	P
8.	4MW17EC016	DEVADIGA POOJA NARAYAN	P	P	P	P	P	P	P
9.	4MW17EC017	DHANYASHREE N	P	P	P	P	P	P	P
10.	4MW17EC019	GAUTHAM VIJAY N	P	P	P	P	P	P	P
11.	4MW17EC020	GOPIKA C B	P	P	P	P	P	P	P
12.	4MW17EC022	JEEVAN JAGANNATH ACHARI	P	P	P	P	P	P	P
13.	4MW17EC023	K ADITH HOLLA	P	P	P	P	P	P	P
14.	4MW17EC025	KAVANA MAHESH HEGDE	P	P	P	P	P	P	P
15.	4MW17EC026	KAVITHA U	P	P	P	P	P	P	P
16.	4MW17EC031	NAVYA D SHETTY	P	P	P	P	P	P	P
17.	4MW17EC033	NIVEDITHA HEBBAR K	P	P	P	P	P	P	P
18.	4MW17EC034	NIVEDITHA NAYAK P	P	P	P	P	P	P	P
19.	4MW17EC035	POOJA	P	P	P	P	P	P	P
20.	4MW17EC042	PRASADA PAI	P	P	P	P	P	P	P
21.	4MW17EC043	PRASHANTH	P	P	P	P	P	P	P
22.	4MW17EC044	PRATHAM S KANCHAN	P	P	P	P	P	P	P
23.	4MW17EC045	PREEMA DSOUZA	P	P	P	P	P	P	P
24.	4MW17EC046	PREETHAM KUMAR	P	P	P	P	P	P	P
25.	4MW17EC047	PRERANA P	P	P	P	P	P	P	P
26.	4MW17EC050	ROOPESH KUMAR A	P	P	P	A	A	A	A
27.	4MW17EC051	SRIHARI S	P	P	P	P	P	P	P
28.	4MW17EC052	SHAMANTH K	P	P	P	P	P	P	P
29.	4MW17EC053	SHAMITH	P	P	P	P	P	P	P
30.	4MW17EC055	SHARANYALAXMI K	P	P	P	P	P	P	P
31.	4MW17EC057	SHASHANK G KOLLE	P	P	P	P	P	P	P
32.	4MW17EC058	SHETTY NAMRATHA ANIL	P	P	P	P	P	P	P
33.	4MW17EC059	SHREERAKSHA	P	P	P	P	P	P	P
34.	4MW17EC061	SHREYA H P	P	P	P	P	P	P	P
35.	4MW17EC062	SHREYAS	P	P	P	P	P	P	P
36.	4MW17EC063	SHRIRAMA ACHARYA	P	P	P	P	P	P	P
37.	4MW17EC065	SOURABH MOHAN REVANKAR	P	P	P	P	P	P	P
38.	4MW17EC069	SUCHITRA NARAYAN NAIK	P	P	P	P	P	P	P
39.	4MW17EC073	SURAJ JAYARAM	P	A	P	A	P	A	A
40.	4MW17EC077	TEJASVINI	P	P	P	P	P	P	P
41.	4MW17EC080	VINAYAK ANANT HEGDE	P	P	P	P	P	P	P
42.	4MW16EC001	ABHISHEK M RAO	P	P	P	P	P	P	P
43.	4MW16EC033	NAGARAJ KAMATH	P	P	P	P	P	P	P
44.	4MW16EC039	PRAJWALA SHETTY	P	P	A	A	A	A	A



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Assessment Details (Quiz)

Sl No.	USN	Student Name	Total Marks (20M)
1.	4MW16EC001	Abhishek M Rao	9
2.	4MW16EC033	Nagarj Kamath	9
3.	4MW17EC001	ABHIJITH	12
4.	4MW17EC002	Adarsha Hebbar	4
5.	4MW17EC003	Aditya	13
6.	4MW17EC004	Akhila K V	8
7.	4MW17EC005	Akshatha p upadhya	7
8.	4MW17ec006	Amrit T Naik	9
9.	4MW17EC014	Chethana	10
10.	4MW17EC016	Devadiga Pooja Narayan	10
11.	4MW17ec017	Dhanyashree N	12
12.	4MW17EC019	Gautham Vijay n	10
13.	4MW17ec020	Gopika CB	7
14.	4MW17EC022	Jeevan Jagannath Achari	11
15.	4MW17EC023	K Adith Holla	8
16.	4MW17EC025	Kavana Mahesh Hegde	13
17.	4MW17EC026	Kavitha u	8
18.	4MW17EC031	Navya d Shetty	5
19.	4MW17ec033	niveditha hebbar	7
20.	4MW17EC034	Niveditha Nayak	11
21.	4MW17ec035	Pooja	10
22.	4MW17ec042	Prasada Pai	8
23.	4MW17ec043	Prashanth	6
24.	4MW17EC044	Pratham S Kanchan	11
25.	4MW17EC045	Preema Dsouza	6
26.	4MW17EC046	Preetham Kumar	10
27.	4MW17EC047	Prerana P	11
28.	4MW17EC051	S Srihari	9
29.	4MW17EC052	Shamanth k	12
30.	4MW17EC053	Shamith	9
31.	4MW17ec055	Sharanyalaxmi k	8
32.	4MW17EC057	Shashank G Kolle	8
33.	4MW17EC058	Shetty Namratha Anil	8
34.	4MW17ec059	Shreeraksha	8
35.	4MW17EC061	Shreya H P	3
36.	4MW17EC062	Shreyas	12
37.	4MW17ec063	shrirama acharya	5
38.	4MW17ec065	Sourabh Mohan Revankar	6
39.	4MW17EC077	Tejasvini	14
40.	4MW17EC080	Vinayak Anant Hegde	5



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Certificate

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Certificate

This is to appreciate the participation of

Ms. Gopika C B

USN:4MW17EC020

of SMVITM, Bantakal

in the Value Added Course


"Computer Vision"


organized by

Department of Electronics & Communication Engineering of

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal

Held from April to July 2021


Dr. Sachin Bhat
HOD of ECE


Dr. Thirumaleshwara Bhat
Principal, SMVITM

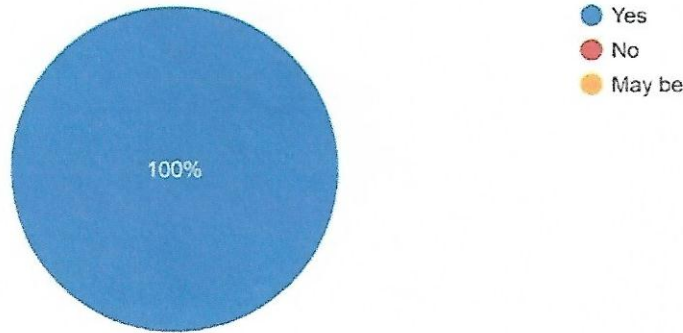
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Feedback

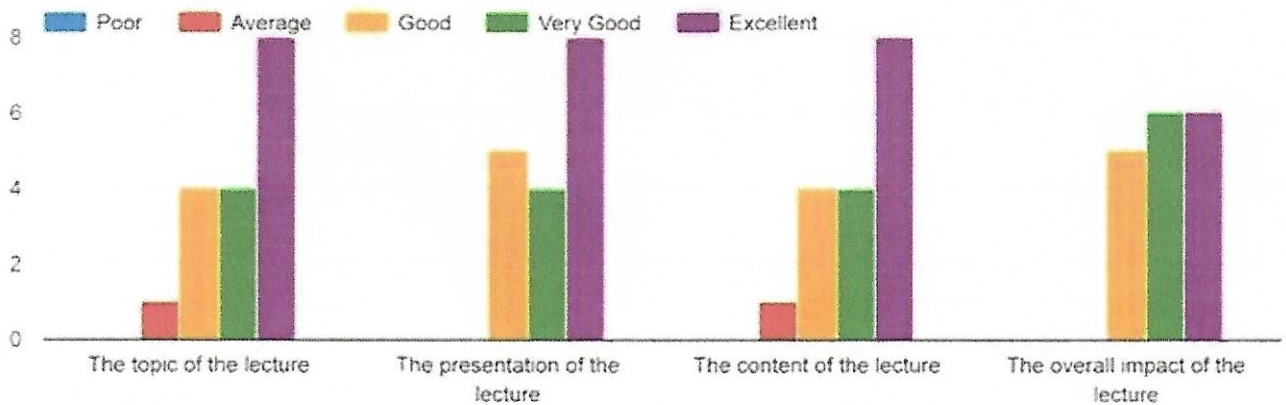
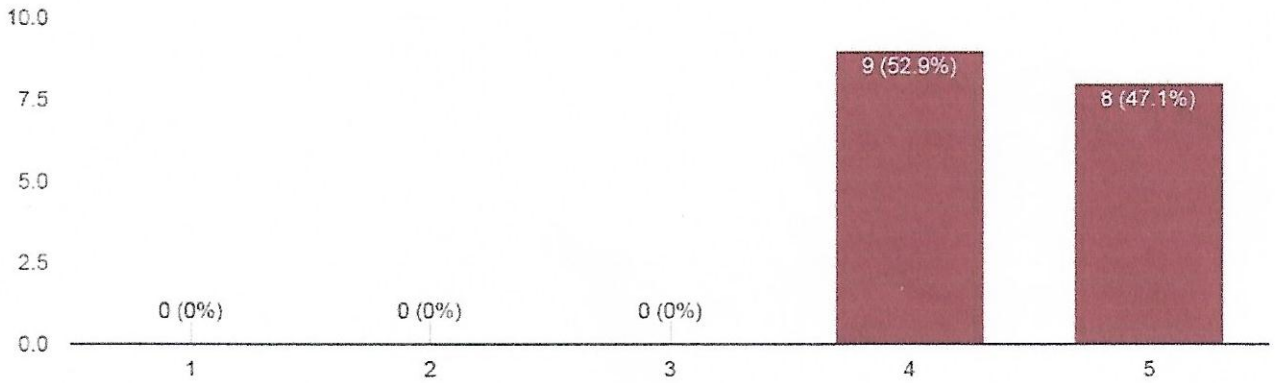
Has this lecture improved your knowledge and understanding of the topic?

17 responses



Speaker has put a good effort into explaining things to make me understand

17 responses




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