



Webinar on Object Detection Using Convolutional Neural Networks (CNN)	
Date: 6 th May 2023	
Time: 2 hours	Resource Person: Prof. Mithun D J
Number of Participants: 146	Event Coordinators: Dr. Jahnvi M, Prof. Nagasubba Reddy & Prof. Ankitha
Objectives: <ol style="list-style-type: none">1. To introduce participants to the fundamentals of CNN2. To demonstrate how CNN can be adapted and utilized for object detection tasks3. To equip participants with hands-on training on object detection models using CNN	
About the Session: <p>Object detection is a fundamental computer vision task that involves identifying and locating objects of interest within images or videos. Convolutional Neural Networks (CNNs) have emerged as a powerful approach for object detection due to their ability to automatically learn hierarchical features from data. This report explores the concept of object detection using CNNs, the key components of CNN-based object detection systems, popular architectures, evaluation metrics, and real-world applications.</p> <p>The seminar begins with an introduction to object detection and its significance in various fields, including autonomous vehicles, surveillance, robotics, and more. It explains the challenges of object detection, such as occlusion, scale variation, and complex backgrounds, and sets the stage for how CNNs address these challenges.</p> <p>The session started with introducing participants to the fundamental of CNN including its architecture, layers, and their role in image processing tasks like object detection. Followed by its importance and the challenges involved in detecting and localizing objects in images. This section provides an overview of CNNs, explaining the architecture and working principles. It covers convolutional layers, pooling layers, and fully connected layers, highlighting how CNNs automatically learn hierarchical representations of features from input images.</p> <p>The second half of the session concentrated on demonstrating how CNN can be adapted and utilized for object detection tasks with real-time examples.</p> <p>This section focuses on the training process of CNNs for object detection. It explains the importance of large labeled datasets and the use of transfer learning to fine-tune pre-trained models for specific object detection tasks. Techniques like data augmentation and learning rate scheduling are also covered.</p>	

Feedback/Coordinators Comment:

The seminar concludes by summarizing the key takeaways from the presentation on object detection using CNNs. It emphasizes the significance of CNNs in revolutionizing object detection tasks and encourages further exploration and innovation in this rapidly evolving field.

Annexure - 1 Invitation



The poster features a blue and white color scheme. At the top left is the RV Institute of Management logo. To its right, the text reads 'RV Institute of Management' followed by 'Autonomous Institution Affiliated to Bengaluru City University' and 'Approved by AICTE NAAC 'A+' Accredited'. Further right is the slogan 'Go, change the world' and 'Autonomous Institution of Excellence' with a NAAC A+ logo. Below this, it says 'Centre for Business Analytics In Association with Boston IT Solutions Indian Pvt. Ltd.' and the 'BOSTON 30' logo. The central part of the poster has a dark blue background with a glowing neural network graphic and the text 'is Organizing a WEBINAR ON Object Detection using Convolutional Neural Networks (CNN)'. Below the graphic, it states 'Date: 6th May 2023, Time: 12.00 pm'. A registration link is provided: 'Click Here for Registration: <https://forms.gle/wHgbNnSfP6XDpD6a6>'. A note section contains two bullet points: 'The link for participation will be shared on the day of the webinar with all the registered participants' and 'E Certificates will given to participants'. At the bottom, contact information is given: 'For any queries contact: Prof. Mithun - 9844284240'. The footer contains the vision statement: 'Vision: To Become World Class Management Institute of Eminence'.

RV Institute of Management
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Affiliated to Bengaluru
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Centre for Business Analytics
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For any queries contact:
Prof. Mithun - 9844284240

Vision: To Become World Class Management
Institute of Eminence

Annexure – 2

List of the Participants:

S. No	Name of the Participant	Profession / Job Role	Name of the Institution/Organization	S. No	Name of the Participant	Profession / Job Role	Name of the Institution/Organization
1	Saima Khuhro	Academician / Research Scholar	Dawood University of Engineering and Technology Pakistan	74	KOVELATHOTA BHAGYALAKSH MI	Student	SV University
2	Anandkumar K Shelat	Academician / Research Scholar	Working Professional	75	Daksh Kapoor	Student	LBSIM
3	Vaibhav Sorcar	Student	New Horizon college of Engineering	76	Prakash P Nair	Academician / Research Scholar	Musaliar Institute of Management Pathanamthitta Kerala
4	Anitha BM Dsilva	Academician / Research Scholar	RV Institute of Management	77	Mohammed Junaid Ahmed	Student	Camara Bank School of Management Studies
5	Abimbola Olaniran	Academician / Research Scholar	KIT	78	Balasubramanian P	Academician / Research Scholar	Amrita School of Business
6	Kiran Shankar Nayak	Student	Ramaiah college of arts science and commerce Bangalore	79	Rajesh	Student	Rvim
7	V SUDHA	Academician / Research Scholar	SIVANANDA SARMA MEMORIAL RV COLLEGE	80	Dr N Geethanjali	Academician / Research Scholar	PSNA College of Engineering and Technology
8	Neetha R	Student	Vivekananda institute of technology	81	Prof A.Seshachalam	Academician / Research Scholar	IFIM College (Autonomous)
9	DR.MOHAMMED QUADIR MOHIUDDIN	Academician / Research Scholar	University of Technology and Applied Sciences	82	Allauddin Abdulisqaq Nadaf	Academician / Research Scholar	Kousali Institute of Management Studies Karnatak University Dharwad
10	Dr. R. SELVAKUMAR	Academician / Research Scholar	Hindusthan College of Arts and Science	83	Abdulfayyaz N Patil	Academician / Research Scholar	Kousali Institute of Management Studies Karnatak University Dharwad
11	Sapna	Academician / Research Scholar	BBD University Lucknow	84	Mahadevaswamy R M	Academician / Research Scholar	JSS Academy of Higher Education and Research
12	Prajwala R	Others	VKIT	85	Zayienu Richa	Student	Student
13	Dr.P.Nithya Devi	Academician / Research Scholar	Hindusthan college of Arts & Science	86	Bhavya S	Academician / Research Scholar	MITE Moodbidri
14	Susmitha M Jois	Student	RVIM	87	Radhaswamy AP	Others	Aurson Electricals Pvt.Ltd.,
15	Vijaya Mahadevi P	Academician / Research Scholar	Bishop Cotton Academy for Professional Management	88	Indhumathi G	Academician / Research Scholar	Rajalakshmi Engineering College
16	Dr Asha Joseph	Academician / Research Scholar	Amal Jyothi College of Engineering	89	Dr V Saravana Kumar	Academician / Research Scholar	AIMS Institutes Peenya Bangalore
17	Dr Rajesh P S	Academician / Research Scholar	Nagarjuna College of Management Studies	90	Dr. B. K. Verma	Academician / Research Scholar	Sanskriti University
18	VANAJA.S	Academician / Research Scholar	Dr.Ambedkar Government Arts College	91	Dr.S.Yavana Rani	Academician / Research Scholar	CMS Business School, JAIN (Deemed-to-be)University
19	Padmavathi S M	Academician / Research Scholar	S J C Institute of Technology	92	Vaithyanathan R	Academician / Research Scholar	ISBR Research Center

20	Suhas Kashyap V K	Student	IIIT Delhi	93	Dr.Gayathri.R	Academician / Research Scholar	CMS Business School, Jain University
21	Dr.Meera.B	Academician / Research Scholar	SJR College of Science, Arts and Commerce	94	Dr.N.muthukumar	Academician / Research Scholar	Rajarajeswari college of engineering
22	Widisha	Academician / Research Scholar	Central University of South Bihar	95	DR MOHAMMED OSAMA	Academician / Research Scholar	SCHOOL AND MASS EDUCATION DEPARTMENT ODISHA
23	Rupali Rathod	Student	Saibalaji international Institute of management and sciences	96	Varsha.V	Student	MLA AHL
24	Dr. Yashashwini. A	Academician / Research Scholar	Pearl Academy	97	Dr. K. Prasad	Academician / Research Scholar	Balaji Institute of Management Sciences
25	Dr.Smitha Rajappan	Academician / Research Scholar	Bhavan's Royal Institute of Management	98	Dr Grace Ganta	Academician / Research Scholar	SWARNANDHRA college of engineering and technology
26	BODDU SESHARAO	Academician / Research Scholar	BVC INSTITUTE OF TECHNOLOGY AND SCIENCE	99	Dr.Mansi Kukreja	Academician / Research Scholar	CMS Business School ,JAIN Deemed to be University.
27	Bhargav revalla	Student	Delhi Technological University	100	Murali	Industry	Confidential
28	Nawab Uddin	Academician / Research Scholar	M. J. P. Rohilkhand University	101	Dr.P.Vijayashree	Academician / Research Scholar	VISTAS, VELS UNIVERSITY
29	Dr.S Pragathy	Industry	Bharath Sanchar Nigam limited	102	Dr. Yogita Satish Garwal	Academician / Research Scholar	Manipal University Jaipur
30	Dr. Shiju George	Academician / Research Scholar	Amal Jyothi College of Engineering	103	Dr.M.D.RAMYAS RI	Others	Vels University
31	C.Eyamini	Academician / Research Scholar	Kathir College of Engineering	104	DR.K.MAJINI JES BELLA	Academician / Research Scholar	VELS INSTITUTE OF SCIENCE TECHNOLOGY AND ADVANCED STUDIES
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34	Nidhi Jain	Academician / Research Scholar	Prestige Institute of Management and Research, Gwalior, M.P.	107	S Kavitha	Academician / Research Scholar	Dr.Ambedkar Institute of Technology
35	Vijayalakshmi.S	Academician / Research Scholar	M.P.Birla Institute of Management	108	Rakesh N	Academician / Research Scholar	JAIN (DEEMED TO BE UNIVERSITY)
36	S Kala	Academician / Research Scholar	Bishop Cotton Academy of Professional Management	109	Jeevanandham S	Academician / Research Scholar	The Oxford College of Science, Bangalore
37	Prateek Ramannavar	Industry	Ocwen financial corporation	110	K.Swaminathan	Academician / Research Scholar	Perunthalaivar kamarajar Institute of engineering and technology
38	Khushboo	Student	Institute of technology and science	111	Vinson Jos Kunnankada	Academician / Research Scholar	ISBR
39	SHYAMALADEV I C	Academician / Research Scholar	SHRIMATI INDIRA GANDHI COLLEGE	112	Dr.H.KAMILAH BANU	Academician / Research Scholar	Vels Institute of Science Technology and Advanced Studies

40	Hemanth G	Student	JSS AHER DHSMS MYSORE	113	Arij Naser Abougreen	Academician / Research Scholar	University of Tripoli
41	Dr. Savita Punjabi	Academician / Research Scholar	Bharat College of Arts and Commerce	114	Atukuri Upendra	Industry	Reliance retail Ltd
42	Priyajit Ray	Academician / Research Scholar	University of Calcutta	115	Rupali Gupta	Academician / Research Scholar	IIEBM
43	Ravi Kant	Academician / Research Scholar	Uttaranchal University	116	Prof.C.Boopathy	Academician / Research Scholar	Sri Krishna College of Engineering and Technology
44	Venkata Naga Rani Bandaru	Academician / Research Scholar	Vishnu Institute of Technology	117	Mohammad Aqib	Student	Geeklurn
45	HARSHITHA SRINIVAS	Student	RV INSTITUTE OF MANAGEMENT	118	Vishnu Priya L V	Academician / Research Scholar	ISBR
46	Capt Dr.Lakshmi.T	Academician / Research Scholar	Residential Govt First Grade College	119	Vishnu Priya L V	Academician / Research Scholar	ISBR
47	MEENA G	Academician / Research Scholar	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	120	Fazal	Academician / Research Scholar	S E T Degree College
48	Sushmitha Jois	Student	Rvim	121	Dr BHARGAVA N	Academician / Research Scholar	ACHARYA INSTITUTE OF GRADUATE STUDIES
49	Chandrakanth S	Student	Oxford College of Engineering	122	Harish kumar	Others	Presidency university
50	Shrutika S Nagre	Student	PG department of commerce government first grade college humnabad. Bidar. Karnataka	123	Sheryl Mendonsa	Others	NA
51	Dr. Saroj Kumar Sahoo	Academician / Research Scholar	Sambalpur University	124	Tamilarasi	Student	Rajarajeswari college of engineering
52	Rohit Mishra	Student	ITS College Mohan Nagar Ghaziabad	125	Deepak Kumar Mallick	Others	Swayam sikshan Prayog
53	Dr B Hari Mallikarjuna Reddy	Academician / Research Scholar	DrYSRHU-College of Horticulture	126	V Lakshmi Suneetha	Academician / Research Scholar	The Oxford College of Engineering
54	Dr. Sandhyarani Sahoo	Academician / Research Scholar	Sambalpur University	127	Abhijin	Student	Bms
55	Rohit Mishra	Student	ITS College Mohan Nagar Ghaziabad	128	V Venu Madhav	Student	Guru Nanak Institute of Technology
56	V V S Ramakrishna	Student	Tata Institute of Social Sciences	129	Arpitha S N	Student	Winner design solutions
57	Shraddha Deori	Student	IIT Kharagpur	130	Suchita revankar	Academician / Research Scholar	Siws college
58	K S Subash	Academician / Research Scholar	Brindavan Group of Institutions	131	Dr.M.S.VASU	Academician / Research Scholar	Sree Rama Engineering College
59	K. Geetha	Academician / Research Scholar	Sri sankara arts and science college	132	Anand Mohan	Academician / Research Scholar	RACE REVA University
60	Dr. Veena P Bhosale	Academician / Research Scholar	KCESs College of Engg and Management ,Jalgaon	133	Shashank Patel	Others	Forest Department
61	Prof Dr Rudra	Academician / Research Scholar	CSD	134	Ibrahim B	Student	Universal School of Administration

62	Dr. Anil Kumar	Academician / Research Scholar	Kurukshetra University, Kurukshetra	135	Manasi y	Others	None
63	Dr.S.TAMILARA SI	Academician / Research Scholar	Hindusthan College of Arts & Science	136	Sanjay Halder	Industry	Shree cement
64	Dr.M.Parveen Roja	Academician / Research Scholar	PSNA College of Engineering and Technology	137	AKSHAYA S DAS	Academician / Research Scholar	BHARATHIAR UNIVERSITY
65	Sagar Dash	Academician / Research Scholar	IGIT SARANG	138	S. Vishnu Shankar	Student	Dr.Y.S.Parmar University of Horticulture & Forestry, Nauni, Solan
66	Meghendra Kumar Gajpal	Industry	Aspirtek Technology Pvt Ltd., Navi Mumbai	139	Tapan Deka	Academician / Research Scholar	Medhavi Skills University
67	MANCHALA RAMESH	Academician / Research Scholar	Sadhana college of Education lecturer in Biological science	140	A.M Rajendra Prasad	Others	Sai Gokula Seva Samsthe
68	Richa Agarwal	Academician / Research Scholar	H N B Garhwal (A Central) University, Uttarakhand	141	Vishal Dwivedi	Others	Toshiba Building systems
69	Kishore	Student	MLA academy of higher learning	142	Vijay kumar R	Student	S.E.T degree college
70	Ibrahim B	Student	Universal School of Administration	143	Vidya Shree	Student	SET collage
71	Prof. (Dr.) CA. Haresh Kothari	Academician / Research Scholar	Former Vice-Chancellor (KK Modi University)	144	Navneet Kumar Rathore	Industry	GodAura devices privet limited
72	Abhinav Srivastava	Academician / Research Scholar	Noida International University	145	Lavanya k	Academician / Research Scholar	C.B.Bhandari Jain College
73	Pammi Kumari	Academician / Research Scholar	GNS UNIVERSITY	146	Bhavana. S	Student	Degree college

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