International Relations and Research Collaborations

in association with

School of Computer Science and Applications

Organized

Online Technical Talk on "Feature Selection Techniques in Machine Learning"

Program Report

International Relations and Research Collaborations in association with **School of Computer Science and Applications, REVA University,** organized a Guest Lecture on **"Feature Selection Techniques in Machine Learning"** on **13-03-2024, 2024.** The event featured **Dr. Dheeb Abdelkarim Albashish, Associate Professor, Al-Balqa Applied University, Al-Salt, Jordan.** This expert talk was benefitted to MCA and MSc(Data Science) students.

About the speaker and their institute

Dr. Dheeb Abdelkarim Albashish, is currently an Associate Professor in the Computer Science Department of Al-Balqa Applied University, Jordan. He earned his master's in computer science from the University of Jordan and Ph.D. in Computer science, from center for Artificial intelligence technology, National University of Malaysia (UKM), Malaysia. With an illustrious career spanning over 12 Years, Dr Albashis has contributed significantly in the domain of AI and Machine Learning. He is a distinguished researcher and has published over 40+ articles in Journals of international repute.

First established in 1997 by royal decree, Al-Balqa Applied University is a state-sponsored university spread over all Jordanian governorates with its main campus located in the Jordanian city of Salt. The university is a strong advocate of education for future solutions, and its vision is to become a scientifically leading and globally competing applied university, distinguished in creativity, innovation, applied scientific research and leadership for the purpose of contributing to knowledge economy and society. Al-Balqa Applied University offers a large number of academic programs at both the undergraduate and postgraduate level. Its expansive campus across the country allows it to maintain a number of faculties across a diverse range of subjects, including medicine, engineering, applied science, agriculture and management, to mention but a few.

Flow of program

Welcome Address and Introducing the Resource Person :   Dr. Ambili P S,

                                                                            Associate Professor

Presidential Address   :   Dr. P Visweswara Rao,

                                                                             Associate Dean

Vote of Thanks   :   Soumya P.D,

                                                                             Assistant Professor

About the talk and other discussions

Feature selection plays a pivotal role in the efficacy and interpretability of machine learning models. In this talk, the resource person explored the various techniques employed in feature selection, investigating their strengths, weaknesses, and practical applications. From filter methods to wrapper methods and embedded techniques, he dissected the methodologies, elucidated their underlying principles, and discussed their implications in real-world scenarios. Moreover, he explored recent advancements in feature selection, including ensemble methods and deep learning approaches, and analyzed their impact on model performance and interpretability. Advancing in to the landscape of feature selection, the audience were empowered with the knowledge to make informed decisions and unlock the full potential of machine learning models.

The key topics covered in the session are Introduction to Feature Selection , Filter Methods, Wrapper Methods, Embedded Techniques, Ensemble learning for feature importance estimation and Practical use cases.

Total no. of attendees
200

Outcome of program

1. Attendees are enabled with a deeper understanding of the importance of feature selection in machine learning, its impact on model performance, and the various techniques available.
2. The talk equipped attendees with practical knowledge on how to apply feature selection techniques to real-world datasets. This includes considerations like handling missing data, dealing with categorical features, and balancing interpretability with model performance. This enhanced knowledge will help for feature selection in their Minor Project and Major Project.

Photos from the program

Attendance sheet

Attached

IRRC School
Coordinator

Director
School of CSA..

Director IRRC

REVA UNIVERSITY
Bengaluru, India

OF UNIVERSITY RECOGNITION
YEARS
21 YEARS OF ACADEMIC EXCELLENCE

School of Computer Science and Applications

in association with

International Relations and Research Collaborations

Organises an International Technical Talk on

Feature Selection Techniques in Machine Learning

Resource Person

Dr. Dheeb Abdelkarim Albashish
Associate Professor
Al-Balqa Applied University,
Al-Salt, Jordan

13th March, 2024

11:30 AM to 1:00 PM

CNR Rao Seminar Hall

www.reva.edu.in

REVA UNIVERSITY
Bengaluru, India
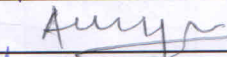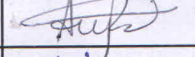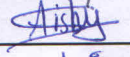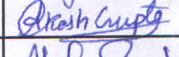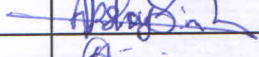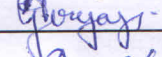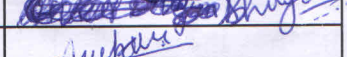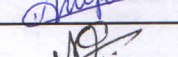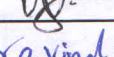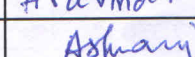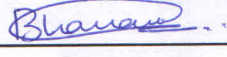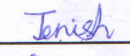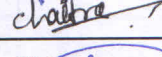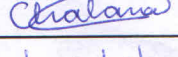
School of Computer Science and Applications
III MCA Students list ODD Semester 2023-24
Feature Selection Techniques in Machine Learning

Date: 13.03.2024   **Time:11:30 AM to 01:00 PM**

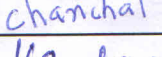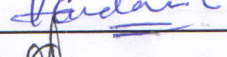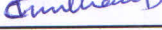| Sl.No	Sec	SRN	Student Name	Signature
1	A	R22DE001	A MANJESH GOWDA	
2	A	R22DE002	ABHISHEK G	
3	A	R22DE003	ABHISHEK KUMAR SINGH	
4	A	R22DE004	ADDURI AYYAPPA SWAMI	
5	A	R22DE005	AHIL PRINCE	
6	A	R22DE006	AISHWARYA RAYABAG	
7	A	R22DE007	AISHWARYA SHET	
8	A	R22DE008	AISHWARYA V WALVEKAR	
9	A	R22DE009	AJIT B R	
10	A	R22DE010	AKASH GUPTA	
11	A	R22DE011	AKSHAY SIMHA S	
12	A	R22DE012	AMRUTA B GIRIJAYI	
13	A	R22DE013	ANISH H G	
14	A	R22DE014	ANKUR BHUYAN	
15	A	R22DE015	ANUPAM KUMAR DUBEY	
16	A	R22DE016	ANUSHREE	
17	A	R22DE017	ARAVIND R	
18	A	R22DE018	ASHWANI KUMAR DWIVEDI	
19	A	R22DE019	BACHU VENKATA SUMAN	
20	A	R22DE020	BHAVANA R	
21	A	R22DE021	JENISHKUMAR MUKESHBHAI BORADA	
22	A	R22DE022	C S PRIYA	
23	A	R22DE023	CHAITHRA H	
24	A	R22DE024	CHALANA B R	
25	A	R22DE025	CHANCHAL SAXENA	
26	A	R22DE026	CHANDANA C	
27	A	R22DE027	CHARANYA G	
28	A	R22DE028	CHINTHANA D	

Sl.No	Sec	SRN	Student Name	Signature
29	A	R22DE029	DARSHAN PRABHU K P	
30	A	R22DE030	DEEPA K	
31	A	R22DE031	DEEPAK B R	
32	A	R22DE032	DEEPAK VENKATRAMAN AVADHANI	
33	A	R22DE033	DATTA SAI M	
34	A	R22DE034	DENITH MATHEW E K	
35	A	R22DE035	DHARANI LAKSHMI	
36	A	R22DE036	DIANA URS T J	
37	A	R22DE037	DURGA DHATRI G	
38	A	R22DE038	DYUTHI REDDY	
39	A	R22DE039	FAIZA K R	
40	A	R22DE040	FARHAN KALEEM	
41	A	R22DE041	FARHEEN KHANUM	
42	A	R22DE042	G DILIP KUMAR	
43	A	R22DE043	GAJJALA VAMSI KRISHNA	
44	A	R22DE044	MADHAVA KRISHNA GARLADINNE	
45	A	R22DE045	GNANADEV POOJARI	
46	A	R22DE046	GOVARDHAN K G .	
47	A	R22DE047	P GREESHMA	
48	A	R22DE048	GUNDRA MADHAN SAI KUMAR	
49	A	R22DE050	HARISH P	
50	A	R22DE051	HARSATH KHAN J	
51	A	R22DE052	ASHISH PRAVINBHAI HARSODA	
52	A	R22DE053	HEMANTH A J	
53	A	R22DE054	HEMANTH GOWDA J	
54	A	R22DE055	JAGADEESH P	
55	A	R22DE056	JOHN R	
56	A	R22DE057	K PALLAVI DURGA	
57	A	R22DE058	KELIKIRI PRANEETH	
58	A	R22DE059	KALLA VAHINI	
59	A	R22DE060	KALLAL BHAKTA	
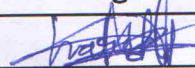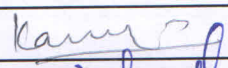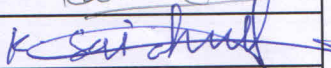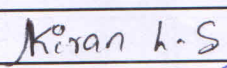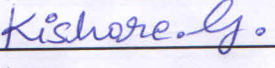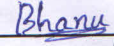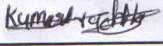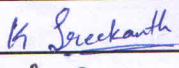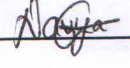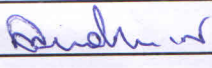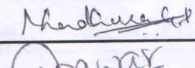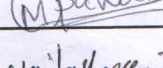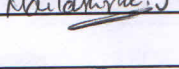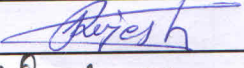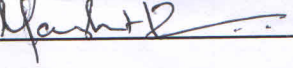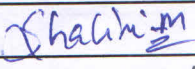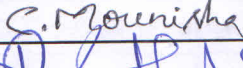
REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications
III MCA Students list ODD Semester 2023-24
Feature Selection Techniques in Machine Learning

Date: 13.03.2024   Time:11:30 AM to 01:00 PM

Sl.No	Sec	SRN	Student Name	Signature
1	B	R22DE061	KALLURU HARSHAVARDHAN REDDY	
2	B	R22DE062	KANCHAM REDDY AKHILA	
3	B	R22DE063	KARIYAPPA D C	
4	B	R22DE064	KATIKAPALLI SAI CHARAN	
5	B	R22DE065	KIRAN KUMAR S	
6	B	R22DE066	KIRAN L S	
7	B	R22DE067	KISHORE G	
8	B	R22DE068	KODURU BHANU PRAKASH REDDY	
9	B	R22DE069	KUMARI RADHIKA	
10	B	R22DE070	K SREEKANTH	
11	B	R22DE071	M NAVYASHREE	
12	B	R22DE072	MADANKUMAR	
13	B	R22DE073	MADHU C N	
14	B	R22DE074	MADHURA G P .	
15	B	R22DE075	MAHANANDA PAWAR	
16	B	R22DE076	MAILASHREE J	
17	B	R22DE077	MALLIKARJUNA MAJJIGA	
18	B	R22DE078	RAJESH SURESHBHAI MANGUKIYA	
19	B	R22DE079	MANISH H R	
20	B	R22DE080	MANISH KUMAR	
21	B	R22DE081	MANNURU SHALINI REDDY	
22	B	R22DE082	MOUNISHA BC	
23	B	R22DE083	MUSKAN A S	
24	B	R22DE084	NAMRUTA M SHASTRI	
25	B	R22DE085	NARASIMHA NANDINI	
26	B	R22DE086	NARESH REDDY P N	
27	B	R22DE087	NAVEEN K R	
28	B	R22DE088	NAVEEN KUMAR	
29	B	R22DE089	NAVEEN S	

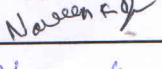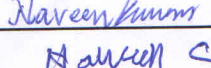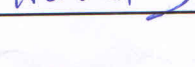| Sl.No	Sec	SRN	Student Name	Signature
30	B	R22DE090	NEHA N	
31	B	R22DE091	NETHRAVATHI VANANJAKAR	
32	B	R22DE092	NIHARIKA P	
33	B	R22DE093	NIKHIL M K	
34	B	R22DE095	NITHISH KUMAR S	
35	B	R22DE096	NITIN KUMAR GUPTA	
36	B	R22DE097	PALLAVI H	
37	B	R22DE098	PARAMJOT SINGH	
38	B	R22DE099	PATHAKOTA CHARAN TEJA REDDY	
39	B	R22DE100	PAVAN KUMAR REDDY A	
40	B	R22DE101	SAI CHENNA REDDY	
41	B	R22DE102	JAGANNATH POLURU	
42	B	R22DE103	POLURU SAINATH	
43	B	R22DE104	POOJA GADENNAVAR	
44	B	R22DE105	POOJASHREE M	
45	B	R22DE106	POOJITHA B	
46	B	R22DE107	PRAGYA SHARMA	
47	B	R22DE108	PRAKRUTHI K M	
48	B	R22DE109	PRASHANT DUBEY	
49	B	R22DE110	PRIYA KUMARI	
50	B	R22DE111	PRIYANKA K R	
51	B	R22DE112	RACHANA	
52	B	R22DE113	RAHUL KUMAR	
53	B	R22DE114	RAHUL RANJAN	
54	B	R22DE115	RAHUL REDDY .	
55	B	R22DE116	RAJ	
56	B	R22DE117	RAJU G S D	
57	B	R22DE118	RAKESH M	
58	B	R22DE119	RAMYA H	
59	B	R22DE120	RASHMI S M	

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications
III MCA Students list ODD Semester 2023-24
Feature Selection Techniques in Machine Learning

Date: 13.03.2024   Time:11:30 AM to 01:00 PM

Sl.No	Sec	SRN	Student Name	Signature
1	C	R22DE121	RAVICHANDRA R G	Ravi
2	C	R22DE122	RITHIKA RITHIKA	
3	C	R22DE123	RITIKA M NETALKAR	Ritik
4	C	R22DE124	N ROSHAN AHMED	Roshanahamed
5	C	R22DE125	S DEVANSH KUMAR	Devansh
6	C	R22DE126	S RUPESH REDDY	Rupesh
7	C	R22DE127	S SURJITH	Surjith
8	C	R22DE128	SAIF UDDIN KHAN	Saifkhan
9	C	R22DE129	SAMARTH O S	Samarthi
10	C	R22DE130	SANDEEP PARAMESHAPPA HALAVAGILA	
11	C	R22DE131	SAURABH KUMAR JHA	Saurabh kum K.
12	C	R22DE133	SHASHANK B	Sh
13	C	R22DE135	SHASHANK N	NS
14	C	R22DE136	SHASHI KIRAN	
15	C	R22DE137	SHIVANGI SINGH	Shivangi Singh
16	C	R22DE138	SHOBITHA A S	Shobitha A
17	C	R22DE139	SHREYA KUMARI	Shreya
18	C	R22DE140	SHREYAS M .	Shreyas
19	C	R22DE141	SHRISHAIL GURANNAGOUDA PATIL	Shri
20	C	R22DE142	SHRUTHI P	Shu
21	C	R22DE143	SHWETA SHANKARSHETTI	
22	C	R22DE144	SIDDESH B N	
23	C	R22DE145	SNEHA B	Sneha·B
24	C	R22DE146	SNEHA NAYAK	Snehn
25	C	R22DE147	SOJITRA SUDIPKUMAR KISHORBAI	Sudip
26	C	R22DE148	SOMAIAH K J	Sumh
27	C	R22DE149	SONIYA B N	Soniya B·N
28	C	R22DE150	SPOORTHI M G	Spoorthi M.G
29	C	R22DE151	SRIPAD RAMA HEBBAR	Sripad RS

Sl.No	Sec	SRN	Student Name	Signature
30	C	R22DE152	SRISHTI JADAV	
31	C	R22DE153	SRIYA S	
32	C	R22DE154	SUBHRAJYOTI SAHA	
33	C	R22DE155	SUCHITHRA A V	
34	C	R22DE156	SUMEENA A	
35	C	R22DE157	SURBHI KUMARI	
36	C	R22DE158	SURYA M M	
37	C	R22DE159	SUSHMA L	
38	C	R22DE160	TEJAS G	
39	C	R22DE161	THAMBI GOVARDHAN	
40	C	R22DE162	THIPPESWAMY MV	
41	C	R22DE163	TUSHAR KUMAR	
42	C	R22DE164	UPPALAPATI VENKATESWARLU	
43	C	R22DE165	VADDI MANOHARA	
44	C	R22DE166	SANKET MAHESHBHAI VAGHANI	
45	C	R22DE167	VAKATI VISHNU VARDHAN REDDY	
46	C	R22DE168	VANSHIKA PUNDIR	
47	C	R22DE169	VARSHA RAMESH R	
48	C	R22DE170	VARUN H D	
49	C	R22DE171	VIJAY J HIREMATH	
50	C	R22DE172	VISHAL PAULY VISHAL	
51	C	R22DE173	VISHWAJEET PATIL	
52	C	R22DE175	YASHWANTH T U	
53	C	R22DE176	A CHANDU SAI	
54	C	R22DE177	HARISH L S	
55	C	R22DE178	SAHANA G	
56	C	R22DE179	TUBA AKHIL KHALIFAH	
57	C	R22DE180	ANURAG MODI	