



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)**

Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi
Recognised Research Center, Accredited by NBA,
Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956



Department of Computer Science & Technology

Report on

Virtual Guest Lecture on

Optimization Problems and Algorithms

26/03/2021

Submitted by: Dr. R. Rajakumar, Associate Professor/CST, MITS, Madanapalle

Resource Person: Dr. Seyed Mirjalili, Associate professor, Director Centre for AI Research and optimization, Torrens University Australia.

Department of Computer Science & Technology organized on day virtual Guest Lecture on 26/03/2021 titled “Optimization Problems and Algorithms” for academicians and students to gain knowledge on optimization problem and its different types of algorithms.

Attended: Participants from other institutions (Total Number: 139)

Mode: Microsoft Team

Abstract of Talk: Over the last two decades, nature-inspired stochastic optimisation techniques have been widely used to solve a variety of problems in both science and industry. Despite the popularity and impact of such methods, optimisation of real-world problems involves addressing a large number of difficulties such as local solutions, multiple objectives, constraints, expensive objective function, noisy objective function, dynamic search space, uncertainties, etc. In this talk, the state-of-the-art and recent advances in addressing such difficulties during optimisation has been presented.

The one-day virtual Guest Lecture was started at 10:30AM. The webinar was initiated by Dr. R. Rajakumar, Associate Professor, CST Department. The Resource person **Dr. Seyed Mirjalili** was introduced by Dr. M. Sreedevi, Professor & Head-CST Department.

The resource person addressed the gathering about the Optimization problems and algorithms – Overview

1. At the beginning of the presentation, the resource person discussed about the introduction to optimization, types of optimization problems and difference between uni-modal and multi-modal problems.
2. The Speaker has explained about the grey wolf optimization algorithm and its nature towards the various optimization problems.
3. The speaker suggested the some of the optimization problems and algorithms such as
 - Grey wolf optimization
 - Dragon-fly algorithm
 - Machine Learning problems and so on.



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS)

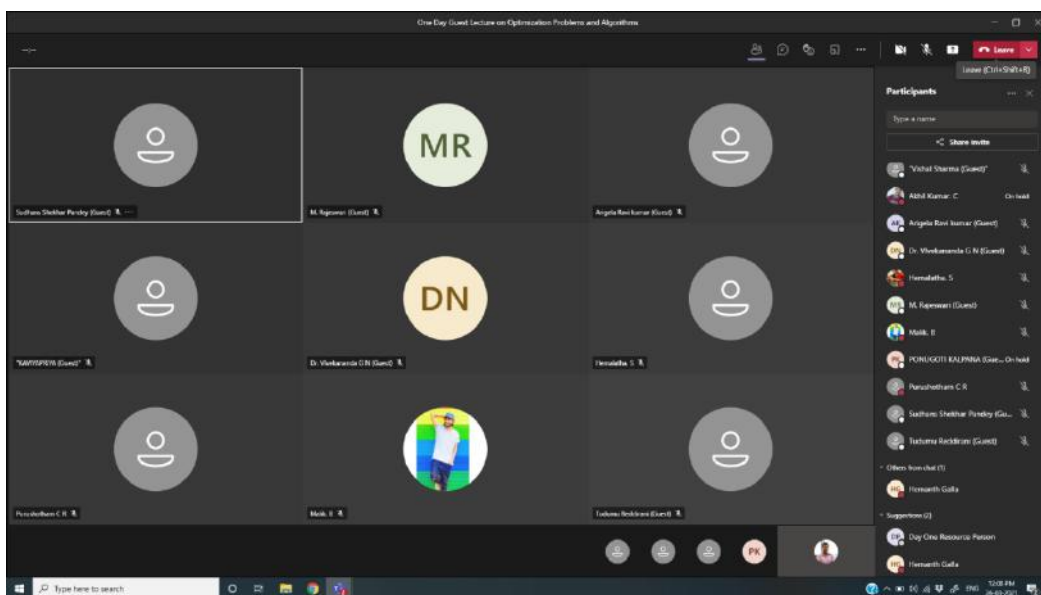


Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi
Recognised Research Center, Accredited by NBA,
Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956

Department of Computer Science & Technology

- The speaker had explained about the current problems and solutions using optimization algorithms.
- Feedback:** The participants were moreover passionate to know about optimization problems and algorithms. The session was concluded followed by a vote of thanks which was given by Dr. R. Rajakumar, Associate Professor, CST.

Event photos:





MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UGC-AUTONOMOUS)



Affiliated to JNTUA, Anantapuramu & Approved by AICTE, New Delhi
Recognised Research Center, Accredited by NBA,
Recognised by UGC under the sections 2(f) and 12(B) of the UGC act 1956

Department of Computer Science & Technology

Feedback of one day Guest Lecture on “Optimization problems and algorithms”

Name of the Guest Speaker: Dr. Seyed Mirjalili, Associate professor, Director Centre for AI Research and optimization, Torrens University Australia.

Organized by Dept. of CST, MITS, Madanapalle.

Faculty coordinator: Dr R Rajakumar, Associate Professor.

Link: <https://forms.office.com/Pages/DesignPage.aspx?lang=en-US&origin=OfficeDotCom&route=Start#Analysis=true&FormId=9sQ3trdX3ES85P7AzSAkYI92jSqM4WNPuLMWIOfWpG1UNzhJRFE4VIVTWIU1VE9CUk5CMjZLUEcyVy4u>

View results

Open in Excel

1. Email Id

[More Details](#)

139

Responses

Latest Responses

"kathirkadir@gmail.com"

"shaligram.prajapat@gmail.com"

"Khantanveer.1193@gmail.com"

2. Title

[More Details](#)

Dr.	40
Mr.	51
Ms.	48



List of Participants

S.No	Title	Name of the Participant	Designation	Name of the Institute
1	Ms.	MAITHILI P SUPEKAR	Engineer	Modern College of engineering
2	Mr.	Chennuru Reddy purushotham	Assistant professor	Madanapalle Institute of Technology and Science
3	Mr.	A.Ravi kumar	M-TECH	Central University of karnataka,Gulbarga.
4	Dr.	U. KUMARAN	ASSOCIATE PROFESSOR	MOTHER THERESA INSTITUTE OF ENGINEERING AND TECHNOLOGY
5	Mr.	G Stalin Babu	Assistant professor	Aditya institute of technology and management
6	Ms.	G Damini	Assistant Professor	Madanapalli institute of technology and science
7	Ms.	TUDUMU REDDYRANI	Assistant professor	Sir vishveshwaraiah institute of science and technology
8	Ms.	MAHESWARI. M	Associate Professor	DMI College of Engineering
9	Mr.	Jeetendra Pagwani	Manager	Creative Computers
10	Mr.	MIHIRA KUMAR NATH	Assistant professor	Government College of Engineering Kalahandi Odisha
11	Dr.	T.ASVANY	Assistant Professor	Achariya arts and science College
12	Mr.	ANILKUMAR P	Research scholar	VIT VELLORE
13	Dr.	Sudhir Kumar Sharma	Professor	Institute of Information Technology & Management
14	Ms.	D HUMERA	Assistant professor	Svtm
15	Mr.	Sudhans Shekhar Pandey	Assistant Professor	Lovely Professional University
16	Mr.	A Reddyprasad	Assistant professor	Mother Theresa Institute of Engineering and Technology
17	Mr.	Karan Juneja	Student	Thapar Institute of Engineering and Technology
18	Dr.	ARUN KUMAR	Professor	Sir Padampat Singhania University
19	Dr.	Rexline S J	Assistant Professor	Loyola college Chennai
20	Ms.	Nandhini V	Assistant Professor	CTTE College for Women
21	Ms.	Akanksha Mathur	Research scholar	Rajasthan Technical University, Kota
22	Ms.	POONAM SAINI	Asst Professor	Sir Padampat Singhania University, Udaipur
23	Ms.	C. MALARVIZHI	ASSISTANT PROFESSOR	LADY DOAK COLLEGE
24	Ms.	Thalari Naga Jyothi	Student	RGUKT-IIIT ongole
25	Dr.	Vishal Goyal	Professor	Punjabi University Patiala
26	Mr.	Vishal Sharma	Assistant Professor	Mody University of Science and Technology
27	Ms.	Ashwini R Malipatil	Assistant Professor	Rajarajeswari college of engineering
28	Ms.	G. Arutjothi	Ph. D., Research Scholar	Government Arts College (Autonomous), Salem -7
29	Mr.	Donthi Venkata Aravind	Student	Rajeev Gandhi Memorial College of Engineering and Technology
30	Ms.	Shazia Sulthana	Assistant Professor	Global Academy of Technology
31	Mr.	M PREMSANKAR	Postgraduate student	Punjabi University Patiala
32	Dr.	Dr. Vijay Kumar Bohat	Assistant Professor	Bennett University
33	Ms.	Upma Yadav	Technical faculty	Banasthali university
34	Dr.	Sanjeev Kumar	Asst. Professor	Chitkara University
35	Mr.	Swarnjit Singh	Assistant professor	SBAS KHALSA COLLEGE SANDAUR
36	Ms.	Ms. Megha Chouhan	Assistant professor	Ravishankar College of Pharmacy Bhopal MP
37	Ms.	PRIYANKA	Research Scholar	Punjabi University, Patiala

S.No	Title	Name of the Participant	Designation	Name of the Institute
38	Mr.	Arshdeep Singh	Alumni	Thapar Institute Of Engineering And Technology
39	Mr.	Vijay Subhash Katta	Assistant Professor	Hindustan College of Science and Technology
40	Dr.	Rakesh Kumar	Associate Professor	Central University of Haryana
41	Mr.	Asif Ali	Jobless	University of Sindh Jamshoro Pakistan
42	Mr.	Aditya singh rana	Student	Punjabi university patiala
43	Mr.	Ashwin.P	Student	Pioneer College of Arts and Science
44	Mr.	Bhaskar Kapoor	Assurant Professor	MAIT/GGS IP University Delhi
45	Dr.	Simar Preet Singh	Assistant Professor	GNA University, Phagwara
46	Ms.	K. KAVIPRIYA	Asst. Professor	Theni College of Arts and Science
47	Mr.	Keerthi Bhumireddy	Pursuing engineering	Madanapalle Institute of Technology and Science
48	Dr.	M. Rajeswari	Assistant Professor	Sri Manakula Vinayagar engineering College, Puducherry
49	Ms.	Nidhi Sengar	Assistant Professor	Nidhi sengar
50	Mr.	ANISH A AZIZ	ASSISTANT PROFESSOR	COLLEGE OF ENGINEERING PERUMON
51	Mr.	Deepinder Singh Kataria	Student	Thapar Institute of Engineering & Technology
52	Ms.	Kanika Pahwa	Assistant Professor	SRM University
53	Ms.	SHUBHA G V	Lecturer(CE)	AMBEDKAR INSTITUTE OF TECHNOLOGY
54	Mr.	MARIA NAVIN J R	Assistant Professor	Sri Venkateshwara College of Engineering, Bangalore
55	Mr.	Madhu B P	Assistant Professor	REVA University
56	Mr.	Kalyana Kumar M	Assistant Professor	REVA University
57	Mr.	Jaskaran Singh Phull	Assistant Professor	Lovely professional university
58	Dr.	Raju Pal	Assistant Professor	Jaypee Institute of Information Technology
59	Dr.	Rajeev Goel	Assistant Professor	Government College Naraingarh
60	Dr.	Sandhya Bansal	Associate Professor	M. M. U. University
61	Mr.	M.Sc Taha Yaseen Salih Alqaisy	Assistant lecturer	University of Anbar/College of Education
62	Mr.	Visist Tallam	Student	Madanapalle Institute of Technology
63	Dr.	Vani Agrawal	Assistant Professor	Prestige Institute of Management, Gwalior
64	Dr.	Vani Agrawal	Assistant Professor	Prestige Institute of Management, Gwalior
65	Ms.	Smrita bhadouria	Assistant Professor	Prestige Institute of management gwalior
66	Dr.	Dr. Ajay Kumar	Assistant Professor	Chitkara University
67	Mr.	Taibur Rahman	Research Scholar	NEHU
68	Mr.	Narasimha Chintha	Assistant Professor	Madanapalle Institute of Technology & Science
69	Ms.	Sowmya G S	Student	Reva University
70	Ms.	Anusha G	B.Tech	Reva University
71	Dr.	AWANIT KUMAR	ASSISTANT PROFESSOR	Modern institute of technology & research centre

S.No	Title	Name of the Participant	Designation	Name of the Institute
72	Ms.	M.Meharunnisa	Assistant Professor	Ethiraj college for women
73	Ms.	S.VIJAYA PETERRAJ	Assistant professor	LOYOLA COLLEGE
74	Dr.	Jani dilip batukray	Associate professor	Government engineering college Dahod
75	Ms.	Richa Jain	Assistant professor	Banasthali Vidyapith
76	Mr.	Arputharaj ambrose	Asst professor	st josephs college
77	Mr.	Pankaj Jain	Assistant Professor	JECRC University
78	Ms.	NEHA KAPILA	Assistant Professor	Sant Baba Bhag Singh University
79	Mr.	Hemraj Singh	P.hD	National institute of technology Warangal
80	Ms.	Shabnam bawa	Research scholar	Thapar institute of engineering and technology
81	Dr.	k. Dinesh	Associate Professor	Madanapalle Institute of Technology and science
82	Dr.	LAKSHMI SUDHESHNA KRUTHIVENT	Lecturer in English	SVRK GDC, NDD, WGDT.
83	Mr.	SRINIVAS ARUKONDA	Asst Professor	NIT WARANGAL
84	Dr.	M.Reddi Ramu	Associate Professor	Kuppam Engineering College
85	Mr.	Devendra kumar misra	Asst Prof	HMRITM
86	Ms.	SUSHMITHA.M	Student	REVA University
87	Dr.	Richa Biswal	Guest Faculty	University of Allahabad
88	Dr.	Suryanarayana Raju Pakalapati	Professor	Madanapalle Institute of Technology and Science
89	Ms.	P.ANITHA	Assistant Professor	Hindusthan college of Engineering and Technology
90	Mr.	Pujari Rajesh	Assistant Professor	Madanapalle Institute of Technology & Science
91	Ms.	Jayashree Pal	Research Scholar	National Institute of Technology Silchar
92	Mr.	Rakesh Kumar	Assistant Professor	Lovely Professional university
93	Dr.	Tuhin Deshamukhya	Senior Assistant Professor	Madanapalle institute of technology and science
94	Dr.	SIVANAGIREDDY KALLI	PROFESSOR	SRIDEVI WOMEN'S ENGINEERING COLLEGE
95	Ms.	Kirti Pandey	Assistant Professor	Banasthali Vidyapith
96	Ms.	Blessy Boaz	Assistant Professor	Stella Maris College
97	Ms.	Navya Sudha Kambhampati	Assistant Professor	Aditya College of Engineering
98	Ms.	T SAKTHI SREE	ASSISTANTNPROFESSOR	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
99	Ms.	KAVIYAPRIYA	Assistant professor	Hindusthan College of Engineering and Technology
100	Ms.	Radha V	Assistant Professor	VSB college of engineering technical campus
101	Mr.	Sathish kumar M	Assistant Professor	Hindusthan college of engineering and technology
102	Ms.	Aishwarya Mery E	Student	Shirdevi Institute of Engineering and Technology, tumkur
103	Ms.	Aishwarya Mery E	Student	Shridevi Institute of Engineering and Technology, Tumkur
104	Mr.	KARTIK PANDEY	Student	Thapar University
105	Ms.	Tanvi Sood	Ph.D Scholar	National Institute of Technical Teachers Training and Research
106	Mr.	Atul Gautam	M.Tech. Student	National Institute of Technology, Warangal

S.No	Title	Name of the Participant	Designation	Name of the Institute
107	Mr.	Ansh Mittal	Data Scientist	Sociometrik Infer Private Limited (Company)
108	Dr.	Vivekananda G N	Assistant Professor	Madanpalle Institute of Technology & Science
109	Dr.	RAVI SHANKAR	ASSOCIATE PROFESSOR	MITM MADANAPALLE
110	Ms.	PONUGOTI KALPANA	Assistant professor	Teega krishna Reddy engineering College
111	Dr.	GORLA VENKATA GANESH	Associate professor	KL UNIVERSITY
112	Mr.	Mhamad Bakro	PhD scholar	C. V. Raman Global University
113	Dr.	Madhusmita Sahu	Assistant Professor	C V Raman Global University, Bhubaneswar
114	Dr.	AHMAD NEYAZ KHAN	Assistant Professor	Integral University
115	Dr.	Dr Virendra Gomase	.	Tilak Maharashtra Vidyapeeth Pune
116	Dr.	Dr.Subiksha.K.P	Research Scientist	Olive Tree Consultives and Freelancing Services
117	Ms.	K Sureka	Assistant Professor	Madanapalli Institute of Technology & Science
118	Ms.	PINAKSHI PANDA	Ph.D student	CV Raman Grobal University
119	Mr.	Sudhansu Ranjan Lenka	Research Scholar	C. V. Raman Global university
120	Mr.	SANTOSH KUMAR SHARMA	Research Scholar	C.V . Raman Global University
121	Mr.	Rizwan Alam	Assistant Professor	PSS Central Institute of Vocational Education
122	Ms.	Jyoti Neginal	Assistant Professor	Godutai engineering college for women
123	Ms.	TARANNUM JAHAN	Lecturer	Indira priyadarshini Degree College for Women
124	Mr.	Suneel Kumar Rath	Reaserch Scholar	C.V.Raman Global University
125	Dr.	ASAD MALIK	Postdoctoral researcher	Okayama University
126	Dr.	K.MUTHUMANICKAM	Associate Professor	Kongunadu College of Engineering and Technology
127	Mr.	SHIVA PRAKASH MV	ASSISTANT PROFESSOR	MADANAPALLE INSTITUTE OF TECHNOLOGY AND SCIENCES, MADANAPALLE
128	Dr.	Mohammad Shameem	Assistant Professor	Madanapalle Institute of Technology and Science
129	Dr.	Hamsa A	1st sem Bea	Koshys group of institutions Banglore
130	Mr.	P L Joseph Raj	Research Scholar	SRM Institute of Science and Technology
131	Ms.	H MARY SHYNI	Research Scholar	SRMIST
132	Ms.	H MARY SHYNI	Research Scholar	SRMIST
133	Mr.	ABHAY KRISHAN	Ph.D RESEARCH SCHOLA	THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY
134	Mr.	P Pradeep	Asst.professor	Mtiet
135	Ms.	Adluri Vijaya Lakshmi	Assistant Professor	BVRIT
136	Dr.	Ali Abbas	Sr assistant professor	Madanapalle institute of technology &science
137	Mr.	Tanveer Ahmed Khan	Research Scholar	Jamia Millia Islamia Central University
138	Dr.	SHALIGRAM PRAJAPAT	Associate Professor	Devi Ahilya University
139	Dr.	kadiravan	Assistant professor	Achariya art's and science college