3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

3.3.3.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

Year	**2022-23**	**2021-22**	**2020-21**	**2019-20**	**2018-19**
Number	0	25	87	08	54

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. Pranoti P. Mane	CRC Press, ISBN 9781032224701	Comprehensive Study of Brain Computer Interface(BCI) with emphasis on Signal Processing Strategies	Disruptive Developments in Biomedical Applications	Disruptive Developments in Biomedical Applications	International	2021-22	ISBN 978103224701	M. E. S College of Engineering, Pune	CRC Press
2	S.N.Dharwadkar	Disruptive Developments in Biomedical Applications	Comprehensive Study of Brain–Computer Interface (BCI) with Emphasis on Strategies Used for Processing the Signals	Disruptive Developments in Biomedical Applications	Disruptive Developments in Biomedical Applications	International	2021-22	CRC Press, ISBN 9781003272694	M. E. S College of Engineering, Pune	CRC Press
3	V. Kamble, M. Dale		Deep Learning for Biometric Recognition of Children using Footprints		2022 International Conference on Emerging Smart Computing and Informatics, ESCI 2022, 2022	International	2021-22		M. E. S College of Engineering, Pune	Scopus
4	Ms.Pratiksha Nandanwar		Analysis of Pixel Intensity Variation By Performing Morphological Operations For Image Segmentation On Cervical Cancer Pap Smear Image		IEEE International Conference on Computational Intelligence and Computing Applications-21 (IEEE-ICCICA-21)26-27 November , 2021, Nagpur, INDIA	International	2021-22	978-1-6654-2040-2	G H RAISONI COLLEGE OF ENGINEERING, Nagpur, Maharashtra, INDIA	IEEE
5	Bharati Narute		Brain MRI-CT image fusion using Generative Adversarial Network	CVIP 2021	6th IAPR International Conference Computer Visionand Image Processing 2021organized by IIT Ropar, Punjab on 3-5 December 2021	International	2021-22		M. E. S.'s College of Engineering, Pune	Springer
6	Yogita Ajgar		Key security challenges for women in Metaverse and solutions to overcome those challenges	ICGEWE 2022	International Conference on Gender Equality and Women Empowerment (ICGEWE-2022)held on 8 th March and 9th March 2022 at PVG COE ,Pune	International	2021-22	ISBN 978-93-90753-85-7	M. E. S.'s College of Engineering, Pune	
7	Priyanka Bagul		Key security challenges for women in Metaverse and solutions to overcome those challenges	ICGEWE 2022	International Conference on Gender Equality and Women Empowerment (ICGEWE-2022)held on 8 th March and 9th March 2022 at PVG COE ,Pune	International	2021-22	ISBN 978-93-90753-85-7	M. E. S College of Engineering, Pune	
8	Priyanka Bagul		E-Commerce Chatbot	TKD-22	IEEE TECHNICOKNOCKDOWN - 2022 organised by the Department of E&TC Engg, Sinhgad Institute of Technology, Lonavala Technically Sponsored by IEEE Bombay Section and IETE Pune Local Center Supported by IEEE SITSB & IETEISF on June 05, 2022.	National	2021-22		M. E. S College of Engineering, Pune	
9	Dr. Pranoti P. Mane		Voice Enabled Personal Assistant for Laptops using Python		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
10	Dr. Pranoti P. Mane		Implementation of Robotics chef and Food Quality Evaluation		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
11	Prof. U.D.Dattasamje		Design and Development of solar charging station for Electric vehicle		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	

12	M. M. Dhanvijay		Spam mail detection		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
13	Bharati Narute	E&TC	Brain MRI-CT image fusion using Generative Adversarial Network	CVIP 2021	6Th IAPR International Conference Computer Visionand Image Processing 2021organized by IIT Ropar, Punjab on 3-5 December 2021	International	2021-22		M. E. S.'s College of Engineering, Pune	Springer
14	Yogita Ajgar		Key security challenges for women in Metaverse and solutions to overcome those challenges	ICGEWE 2022	International Conference on Gender Equality and Women Empowerment (ICGEWE-2022)held on 8 th March and 9th March 2022 at PVG COE ,Pune	International	2021-22	ISBN 978-93-90753-85-7	M. E. S.'s College of Engineering, Pune	
15	Yogita Ajgar		Smart Stick For Blind People		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
16	Yogita Ajgar		Real Time Face recognition Based Attendance System		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
17	Yogita Ajgar		Helmet Detection and Number Plate Recognition using Machine Learning		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
18	Yogita Ajgar		AI Based Soft Skill Training Web Application		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
19	Priyanka Bagul		Key security challenges for women in Metaverse and solutions to overcome those challenges	ICGEWE 2022	International Conference on Gender Equality and Women Empowerment (ICGEWE-2022)held on 8 th March and 9th March 2022 at PVG COE ,Pune	International	2021-22	ISBN 978-93-90753-85-7		
20	Priyanka Bagul		RBSR : Rocker Bogie Surveillance Robot		8 th National Conference on Advancements in Communication, Computing and Electronics Technology organized by the Department of E&TC Engineering, M. E. S.'s College of Engineering, Pune on 19 th & 20 th April 2022.	National	2021-22		M. E. S.'s College of Engineering, Pune	
21	Priyanka Bagul		E-Commerce Chatbot	TKD-22	IEEE TECHNICOKNOCKDOWN - 2022 organised by the Department of E&TC Engg, Sinhgad Institute of Technology, Lonavala Technically Sponsored by IEEE Bombay Section and IETE Pune Local Center Supported by IEEE SITSB & IETEISF on June 05, 2022.	National	2021-22			
22	Dr. V.S.Galgali	NA	Optimal combination and sizing of multi-type DGs by application of multi-objective Taguchi method integrated with desirability function analysis	AIP conference proceedings	RSRI CMCI conference	International	2021-22	in press	Modern Education Society's College of Engineering	in AIP conference proceedings

23	Mr. S. S. Kulkarni		The Parametric Comparison of Perpetual Pavements with respect to Life-cycle Cost and Greenhouse Gas Emissions	Elsevier Materials Today proceeding	International Conference on Sustainable Approach for Resilient Infrastructure, organized by Department of Civil Engineering, University of Malaysia and CBIT	International	2021-22	in press	COEP	Elsevier Materials Today proceeding
24	Mr. S. S. Kulkarni		Analysis of Perpetual Pavement Design Considering Variable Subgrade CBR, Life- Cycle Cost and CO2 Emissions	Springer Nature Singapore , Lecture notes in Civil Engineering	International Conference on Advances in Construction Technology and Management -2021 (ACTM-2021) at College of Engineering Pune, India	International	2021-22	in press	COEP	Springer Nature Singapore , Lecture notes in Civil Engineering
25	Mr. S. S. Kulkarni		Effect of Change in the Resilient Modulus of Bituminous Mix on the Design of Flexible Perpetual Pavement	NA	3rd International Conference on Advanced Technologies for Societal Applications	International	2021-22	Print ISBN978-3-030-69920-8, Online ISBN 978-3-030-69921-5	COEP	Springer Nature Switzerland, chapter 83
26	Harshal S Salave, A. D. Desai		Design and Development of Biogas Venturi Mixture for Stationary Diesel Engine Using Analytical and CFD Approach	ASME Turbo Expo 2021: Proceedings	International Gas Turbine Institute	International	2020-21	ISBN: 978-0-7918-8499-7	M. E. S College of Engineering, Pune	ASME
27	Harshad Deshpande, Santosh Taji Vaijanath Raibhole		Assessment of heat transfer performance from modified horizontal rectangular heat sink under forced convection dominating mode of mixed convection	Materials Today: Proceedings	3rd International e-Conference on Frontiers in Mechanical Engineering and nanoTechnology	International	2020-21	ISSN 2214-7853	M. E. S College of Engineering, Pune	Sciencedirect
28	S R Kandharkar	-	Effect of combination of flexure joints and material used on performance of compliant pantograph mechanism	Materials Today: Proceedings	28th International Conference on Processing and Fabrication of Advanced Materials (PFAM28)	International	2020-21	ISSN 2214-7853	M. E. S College of Engineering, Pune	Materials Today Proceedings
29	Dr R N Yerrwar	Advanced Manufacturing Systems and Innovative Product Design	Scoping Review on Composition of Non Asbestos Organic Friction Materials for Automotive Brake Pad	Lecture Notes in Mechanical Engineering	IPDIMS 2020	International	2020-21	978-981-15-9852-4	M. E. S College of Engineering, Pune	Springer
30	Mrinai M. Dhanvijay	International Symposium on 5G & Beyond for Rural Upliftment 2020	CoAP based energy-aware cluster-based mobility management protocol in WBAN health care environment	International Symposium on 5G & Beyond for Rural Upliftment 2020	International Symposium on 5G & Beyond for Rural Upliftment 2020	International	2020-21	EIBN:9788770222174	M. E. S College of Engineering, Pune	riverpublishers
31	P. B. Chopade		Image Resolution Enhancement of Satellite Images using Dyadic Integer Coefficient Wavelet Filter for Wavelet Transform	Convergence of Smart Technologies (IC2ST)	Convergence of Smart Technologies (IC2ST)	International	2020-21	ISSN (Print): 2204-0595ISSN (Online): 2203-1731	online	Aspire
32	P.P.Mane		"Dimensional Fault Detection using Machine Vision"	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
33	P.N.Kota		Image Resolution Enhancement of Satellite Images using Dyadic Integer Coefficient Wavelet Filter for Wavelet Transform	Convergence of Smart Technologies (IC2ST)	Convergence of Smart Technologies (IC2ST)	International	2020-21	ISSN (Print): 2204-0595ISSN (Online): 2203-1731	online	Aspire
34	P.N.Kota		HOME AUTOMATION AND SECURITY	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
35	P.N.Kota		RATIS(Rapid Automatic Tyre Inflation System)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN

36	P.N.Kota		SECURE FILE STORAGE IN CLOUD COMPUTING USING HYBRID CRYPTOGRAPHY ALGORITHM	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
37	U.V.Bomble		”Smart Drainage Solutions for Industries”.(Best Paper)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
38	Y.M.Ajgar		Speaking system for dumb and deaf using hand Gesture	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
39	M. M. Dhanvijay		Email spam detection and filtering using Naive Bayes Algorithm	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
40	P.D.Nandanwar		Performance Analysis of Image Thresholding Methods On Cervical Cancer For Segmentation	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021)	International Conference on Emerging Trends in Engineering and Technology (ICETET-2021),Nashik	International	2020-21	ISBN 978-81 -951120-3-6	SIT, Nashik	Institute For Engineering Research and Publication (IFERP)
41	A.A.Dhavlikar.		Dimensional Fault Detection using Machine Vision	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7TH NATIONAL CONFERENCE ON ADVANCEMENTS IN COMMUNICATION, COMPUTING AND ELECTRONICS TECHNOLOGY-ACCET 2021 (VOLUME-1)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
42	K.S.Tiwari		Credit Card Fraud Detection: A Comparative Study	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
43	S.S.Pansare, Rutuja Gaikwad, Rutuja Sable, Prajakta Rule		Microcontroller based Safety system for Railway workers”	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN
44	Sangram Sawant, Shubham Marathe, Swapnil Bagle , Prof. Kanchan Tiwari		Interfacng of Sensors with FPGA Board Using I2c Protocol	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	7th National conference on Advancements in Communication, Computing and Electronics Technology (ACCET 2021)	National	2020-21	ISSN(Online) : 2250-3021 ISSN(Print) : 2278-8719	M. E. S College of Engineering, Pune	IOSR -JEN

45	Dr. N. F. Shaikh	COVID-19 Public Health Measures An Augmented Reality Perspective	Book	Book	-	International	2020-21	ISBN 9781032003634	MESCOE	Taylor & Francis
46	Mrs. A. P. Kale	Prominent Feature Selection for Sequential Input by Using High Dimensional Biomedical Dataset	Book	Advances in Intelligent Systems and Computing (Springer) - Book Chapter	National Level Research Symposium on Computing - RSC 2020	National	2020-21	978-981-15-4028-8	WCE Sangli	Springer
47	Mrs. S. P. Deore	Personality Detection Using ANN	Personality Detection Using ANN	Lecture Notes in Electrical Engineering (LNEE)", Springer	4th International conference on Communication and Cyber Engineering	International	2020-21		MESCOE,Pune-01	Springer
48	Mr.Y.S. Ingle		Flood Forecasting Using Machine Learning: A Review	2021 8th International Conference on Smart Computing and Communications (ICSCC)	2021 8th International Conference on Smart Computing and Communications (ICSCC)	International	2020-21	Electronic ISBN:978-1-7281-9687-9 Print on Demand(PoD) ISBN:978-1-7281-9688-6	MESCOE,Pune-01	IEEEexplore
49	Mr.Y.S. Ingle		A Review of Mesh generation in ANUGA	InternationalConferenceonSentimentalAnalysisandDeepLearning(ICSADL2021) organizedbyTribhuvan University,NepalandPrinceofSongklaUniversity,Thailand on18thand19thJune,2021.	InternationalConferenceonSentimentalAnalysisandDeepLearning(ICSADL2021) organizedbyTribhuvanUniversity,Nepaland PrinceofSongklaUniversity,Thailand on18thand19thJune,2021.	International	2020-21	Online ISBN 978-981-16-5157-1	MESCOE,Pune-01	Springer
50	S.R.Khonde	An Ensemble Approach For Intrusion Detection In Collaborative Attack Environment	An Ensemble Approach For Intrusion Detection In Collaborative Attack Environment	Smart Computing Techniques and Applications	4th INTERNATIONAL CONFERENCE ON SMART COMPUTING AND INFORMATICS (SCI-2020)	International	2020-21	Print ISBN : 978-981-16-0877-3 Online ISBN : 978-981-16-0878-0	Vasavi College of Engineering (Autonomous), Hyderabad, India	Springer, Singapore, Scopus
51	S.R.Khonde		Ensemble and Feature Selection-based Intrusion Detection System for Multi-attack Environment		5th IEEE International Conference On Computing, Communication and Security (ICCCS-2020)	International	2020-21	Electronic ISBN:978-1-7281-9180-5 Print on Demand(PoD) ISBN:978-1-7281-9181-2	Indian Institute of Technology Patna, Patna, India	IEEE Expolre, Scopus
52	S. A. Sapkal	Computing Technologies and applications : Paving Towards Society 5.0 Chapter 6: "Research Issues in IoT"				International	2020-21	eBook ISBN: 9781003166702	SKNCOE,PUNE	CRC Press, Taylor & Francis Group, LLC, a State of Delaware limited liability company, having its principal place of business at 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487, U.S.A.
53	S.P.Khedkar		Machine Learning to classify IOT network Traffic	th International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)	th International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)	International	2020-21	ISBN: 978-1-6654-2642-8	MESCOE Pune	IEEE Explore, Scopus
54	Dr. (Mrs.)N.F.Shaikh		An experimental approach to compare various deep learning architectures for sentiment analysis,	IEEE 5th International Conference on Computing Communication and Automation, ICCCA 2020, pp. 548–553,	2020 IEEE 5th International Conference on Computing Communication and Automation (ICCCA)	International	2020-21	Electronic ISSN: 2642-7354 Print on Demand(PoD) ISSN: 2641-8134	MESCOE, Pune	IEEE
55	Dr. (Mrs.)N.F.Shaikh		A Survey on Mental Health Monitoring System via Social Media Data using Deep Learning Framework (Paper No. 160)	International Conference on "Advanced Technologies for Societal Applications – Techno Societal 2020",		International	2020-21	· ISBN: 978-3-030-69921-5	MESCOE, Pune	Springer

56	Dr. (Mrs.)N.F.Shaikh		Mental Health Care using Social Media Data with Deep Learning Framework	3rd International Conference on Intelligent Computing, Information and Control Systems (ICICCS 2021) 2-3 July 2021		International	2020-21	eBook ISBN 978-981-16-7330-6 Hardcover ISBN 978-981-16-7329-0 Springer Chapter Proceedings of Third International Conference on Intelligent Computing, Information and Control Systems ICICCS 2021	MESCOE, Pune	Springer
57	Dr. (Mrs.)N.F.Shaikh		A Review of Mesh Generation in ANUGA	International Conference on Sentimental Analysis and Deep Learning (ICSADL 2021		International	2020-21	ISBN 978-981-16-5156-4 Chapter Springer Sentimental Analysis and Deep Learning Proceedings of ICSADL 2021		Springer
58	Dr. (Mrs.)N.F.Shaikh		Flood Forecasting using Machine Learning: A Review	8th International Conference on Smart Computing and Communication (ICSCC 2021) IEEE		International	2020-21	Electronic ISBN:978-1-7281-9687-9 Print on Demand(PoD) ISBN:978-1-7281-9688-6		IEEE
59	Prof. Archana Kale		Efficient Model to Predict Crop Yield using ANN	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
60	Prof. Jaya Mane		Smart-phone App for Smooth Path Detection	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
61	Prof. Archana Kale, prof.Gajanan Aochar		NLP Based Virtual Assistance System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
62	prof.Jayshree Pansare		Real-Time Static Hand Gesture Recognition and Detection System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
63	Dr. S.K.Wagh , Prof. Amol Kamble		Healthcare Chatbot System using Artificial Intelligence	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
64	Prof Shraddha Khonde,Prof. Deepali Ahir		Drowsy Face Detection using Deep Learning Algorithms	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
65	Prof Shraddha Khonde,Prof. Deepali Ahir		Using machine learning algorithm and feature selection for detection of denial of service attacks	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
66	Prof Shraddha Khonde,Prof. Deepali Ahir		Medical Records Management with Decentralized Framework	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
67	Jaya Mane , Shobha Raskar		Statistical Analysis of a Chess Player Using Data Science Pipeline	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
68	Dr. Rubeena A. Khan , Mahesh Shinde		Emotion Identification from Human Speech using CNN	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
69	Prof. Shubhangi Khade, Prof. Sayali Sapkal		Review of Helmet & Face Mask Detection by Deep Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
70	Prof. Shubhangi Khade, Prof. Sayali Sapkal		Design and Implementation of Blood Bank stocks tracking and donation system	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
71	Prof. Shubhangi Khade, Prof. Sayali Sapkal		IOT Based Patients Health Monitoring System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In attached Proceedings
72	,Y. S. Ingle , N. F. Shaikh		Integration of data access from Raspberry Pi to IoT framework	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
73	Dr. S.K.Wagh , Prof. Amol Kamble		ICU Admission prediction Using Machine Learning For COVID-19 Patients	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
74	Jaya Mane , Shobha Raskar		Shride An Efficient Way of Riding	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings

75	Dr. Rubeena A. Khan , Mahesh Shinde		Bias Detection and Neutralization Of Wikipedia Articles	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
76	Prof. Shubhangi Khade, Prof. Sayali Sapkal		Data-Driven Cyber Security approach for Twitter traffic classification	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
77	Dr. S.K.Wagh , Prof. Amol Kamble		A Churn Prediction In Telecom Sector Using Machine Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
78	Balaji Bodkhe, Mahesh Shinde		Career Prediction System Using Big Data And Data Mining Techniques Deepak	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
79	Dr. S.K.Wagh , Prof. Amol Kamble		Novel Campus Recruitment Prediction using Machine Learning Techniques	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
80	S. P. Deore , S. E. Ingale		Recognition of Handwritten Devanagari Character Using CNN and KNN	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
81	Balaji Bodkhe, Mahesh Shinde		Distributed Data Vending through Crowdsourcing based on the Blockchain Framework	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
82	Prof. Shilpa Khedkar, Prof. Bhagyashree More		Music Recommendation By Capturing Facial Expressions	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
83	Prof.G.S.Pole Prof. G.B. Deshmukh		Depression Detection Using Machine Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
84	Prof.G.S.Pole Prof. G.B. Deshmukh		Personal Website Developer	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
85	Dr. Jayshree Pansare, Prof. Anand Dhawale		Accident Prevention and Alert System Using Image Processing	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
86	Sagar Shinde, Anand Dhawale		IntelliHolo : 3D Modelled Artificial Intelligence with Mixed Reality Pratham Shelke,	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
87	Prof.G.S.Pole Prof. G.B. Deshmukh		A Portal for Farmers to Sell Produce	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
88	Jaya Mane, Shobha Raskar		Moodshift - An App for Depression	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
89	Prof. Shilpa Khedkar, Prof. Bhagyashree More		Falsified News Detection Using Deep Learning Approach	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
90	Prof. Sagar Shinde , Prof. Anand Dhawale		Automobile showcase application with voice control	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
91	Archana . P . Kale,Gajanan Aochar		Deep Learning Intelligent System for the Prediction of COVI19	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
92	Dr.(Miss)Revati M. Wahul,Miss Anuradha Nagare		UV Sanitization device and use of Big Data Applications on Covid 19	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
93	Rubeena A Khan , Mahesh Shinde		Efficient Model to expect coronary heart disasters using Deep Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
94	Rubeena A Khan , Mahesh Shinde		Patient Feedback System using Sentimental Analysis	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
95	Sagar Shinde, Anand Dhawale		Real Time Speech-Driven Facial Animation using GANs	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
96	Prof. Balaji Bodhke		Dog Breed Classification Using Convolutional Neural Network	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
97	Shalaka Deore , Shubhangi Ingale		Human Behaviour Identification based on Graphology using Artificial Neural Networks	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings

98	, Prof. S. P. Khedkar , Prof. B. F. More		Smart Attendance System using Face Recognition	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
99	Prof. Sagar Shinde , Prof. Anand Dhawale		Efficient Incorporation of Machine Learning in Construction Waste Management	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
100	Shraddha Khonde , Deepali Ahi		Image caption generator with text to speech conversion using machine learning techniques	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
101	Dr.(Miss)Revati M. Wahul,Miss Anuradha Nagare		Vote Trust	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
102	Dr. (Miss) Revati M. Wahul		Procrastinating Auditors Using Block Chain	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
103	Shalaka Deore , Shubhangi Ingale		Women Safety Alert System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
104	Prof. S. P. Khedkar , Prof. B. F. More		Automated Hierarchical Classification and Codification System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
105	Shalaka Deore , Shubhangi Ingale		Multiple Face Detection Attendance System using Haar Cascade & CNN Face Recognition Model	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
106	Shalaka Deore , Shubhangi Ingale		Fire Detection System using Video Surveillance	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
107	Y. S. Ingle , N.F.Shaikh		Implementation and Analysis of Deep Learning Models for the Purpose of Object Detection in Satellite Imagery Using the HPC Platform	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
108	Dr. Sharmila K.Wagh		IOT FOR SMART AND GREEN BUILDING	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
109	Y. S. Ingle , N.F.Shaikh		Flood Forecasting and Effective Risk Mitigation Using Machine Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
110	Y. S. Ingle , N.F.Shaikh		Mesh Creation Tool for ANUGA	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
111	Dr. Sharmila K.Wagh		Automatic Quality Assessment of apical four- chamber Echocardiograms using deep convolutional neural networks	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
112	Dr. Sharmila Wagh ,Amol Kamble		Review On Prediction of ICU Admission for COVID-19 Patients Using Machine Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE 2021)	National	2020-21	2347-3649	MES College of Engineering, Pune	In Proceedings
113	Dr R N Yerrwar	Advances in Mechanical Engineering	Performance Parameter Optimization of MR Damper Piston Using Taguchi Method and Grey Relational Analysis	Lecture Notes in Mechanical Engineering	CAMSE 2020	International	2019-20	978-981-16-0941-1		Springer
114	P.S.Tondewad, M.P.Dale		" Remote Sensing Image registration Methodology: review and Discussion",	Procedia Computer Science journal, Volume 171, 2020, Pages 2390-2399	Third International Conference on Computing and Network Communications (CoCoNet'19)	International	2019-20	(ISSN: 1877-0509)	Indian Institute of Information Technology and Management-Kerala (IIITM-K), Trivandrum	Elsevier
115	M. P. Dale, Shraddha Habbu		"Noninvasive Blood Glucose estimation Using Pulse based Cepstral Coefficient",	IEEE 2019 2nd International Conference on Signal Processing and Information Security (ICSPIS)	2nd International Conference on Signal Processing and Information Security (ICSPIS), , Dubai, https://doi.org/10.1109/ICSPIS48135.2019.9045897.	International	2019-20	10.1109/ICSPIS48135.2019.9045897	Dubai, United Arab Emirates	IEEE
116	M. P. Dale, S. K. Habbu		"Comparison of Noninvasive Blood Glucose Estimation using various regression model"	International Symposium on Signal Processing and Intelligent Recognition System	International Symposium on Signal Processing and Intelligent Recognition System, published in Springer series, CCIS volume 1209.	International	2019-20	DOI: 10.1007/978-981-15-4828-4_25 Print ISBN 978-981-15-4827-7	Singapore	Springer

117	Dr. (Mrs.) J. R. Pansare		Brain Tumor Detection using Fuzzy C-means and Ant Colony Optimization	2nd International Conference on Information Technology & Digital Applications 2019 (ICITDA 2019)	2nd International Conference on Information Technology & Digital Applications 2019 (ICITDA 2019)	International	2019-20	ISSN(Online): 2319-8753	Modern Society Society's College of Engineering	International Journal of Innovative Research in Science,
118	Miss R. M. Wahul	Lecture Notes in Electrical Engineering Book Series	Query Time Optimization Using Hungarian Algorithm	International Conference on Communications and Cyber Physical Engineering [ICCCE-2019]	International Conference on Communications and Cyber Physical Engineering [ICCCE-2019]	International	2019-20	ISSN (Print) : 2347-6710	Modern Society Society's College of Engineering, Pune	Springer
119	Mrs. S. P. Khedkar		SDN enabled cloud, IoT and DCNs: A comprehensive Survey	International Conference on Computing Communication Control and Automation 2019	International Conference on Computing Communication Control and Automation 2019 at PCCOE	International	2019-20	ISBN-978-1-7281-4042-1	MESCOE pune	Conference Scopus Index
120	Mrs. A. P. Kale	Conference Proceeding – National Level Research Symposium on Computing - RSC 2019	Prominent Feature Selection for Sequential Input by using High Dimensional Biomedical Dataset	Conference Proceeding – National Level Research Symposium on Computing - RSC 2019	National Level Research Symposium on Computing - RSC 2019	National	2019-20	-	WCE Sangli	-
121	Dr.Vikas .N.Chougule	Numerical Methods in Mechanical Engineering (with Matlab/Octave/C++ Programming)	-	-	-	-	2018-19	ISBN - 9789388897518	MESCOE	NIRALI PRAKASHAN
122	Dr.Vikas .N.Chougule	Numerical Methods And Optimization (With Matlab Programs)					2018-19	ISBN : 978-93-87397-28-6	MESCoE Pune	NIRALI PRAKASHAN
123	V. N. Riabhole		Analytical Prediction of Heat Transfer in Tape Generated Swirl Flow	ASME 2017 International Mechanical Engineering Congress and Exposition	ASME digital Collection	International	2018-19	ISBN:978-0-7918-5843-1	MESCoE Pune	ASME
124	Dr B D Nandre	--	“Study the Effect of Impact Angle on Slurry Erosion Wear of Four Different Ductile Materials,”	(Materials Today: Proceedings)	(IMME17).	International	2018-19	ISSN 2214-7853	MESCoE Pune	Elsevier
125	Dr A.C.mitra		Development and Validation of a Simulation Model of Automotive Suspension System using MSC-ADAMS	Materials Today: Proceedings, Elsevier Ltd, Vol.5, Issue 2,	7th International Conference of Materials Processing and Characterization, March 17-19, 2017	International	2018-19	ISSN: 2214-7853	MESCoE Pune	Elsevier
126	Dr A.C.mitra		Optimization of Automotive Suspension System by Design of Experiments: A Non-derivative Method	Advances in Acoustics and Vibration		International	2018-19	ISSN-16876261	MESCoE Pune	Hindawi
127	Dr A.C.mitra		Development of Linear and Non-linear Vehicle Suspension Model	Materials Today: Proceedings, Elsevier Ltd,	7th International Conference of Materials Processing and Characterization,	international	2018-19	ISSN: 2214-7853	MESCoE Pune	Elsevier
128	Dr A.C.mitra		Experimental Design, Sensitivity Analysis of Steering Geometry and Suspension Parameters	Materials Today: Proceedings, Elsevier Ltd,	7th International Conference of Materials Processing and Characterization, March 17-19, 2017	International	2018-19	ISSN: 2214-7853	MESCoE Pune	Elsevier
129	Dr A.C.mitra		Development and Analysis of Human Hand-Arm System model for Anti-Vibration Isolator	Materials Today: Proceedings, Elsevier Ltd,	7th International Conference of Materials Processing and Characterization, March 17-19, 2017	International	2018-19	ISSN: 2214-7853	MESCoE Pune	Elsevier
130	Dr A.C.mitra		Validation of Simulation and Analytical Model of Nonlinear Passive Vehicle Suspension System for Quarter Car	Materials Today: Proceedings, Elsevier Ltd,	Part of special issue:Materials Processing and characterization, 16th – 18th March 2018	International	2018-19	ISSN 2214-7853	MESCoE Pune	Elsevier
131	Dr A.C.mitra		Effect of Induced Geometric Non-Linearity in a Spring on Vehicle Ride Comfort and Road Holding	Materials Today: Proceedings, Elsevier Ltd,	Materials Processing and characterization, 16th – 18th March 2018	International	2018-19	ISSN 2214-7853	MESCoE Pune	Elsevier
132	Dr A.C.Mitra		Development and Validation of Experimental Setup for Flexural Formula of Cantilever Beam Using NI-LabVIEW	Materials Today: Proceedings, Elsevier Ltd,	Part of special issue: Materials Processing and characterization, 16th – 18th March 2018	International	2018-19	ISSN 2214-7853	MESCoE Pune	Elsevier

133	Dr. V. N. Chougule		Clinical Case Study: Spine Modeling for Minimum Invasive Spine Surgeries (MISS) using Rapid Prototyping	10th International Conference on Precision, Meso, Micro and Nano Engineering	Conference on Precision Engineering (COPEN)	International	2018-19	ISBN: 978-93-80689-28-9	MESCoE Pune	IIT Madras
134	Mrinai Dhanvijay, Deepak Kawade, Shital Dorge, Aditi Sonawane		"Robo Santral: An autonomous guide robot"	6th National Conference on Advancements in Communication, Computing and Electronics Technology (ACCET)	6th National Conference on Advancements in Communication, Computing and Electronics Technology (ACCET)	National	2018-19	e ISSN 2348 –1269, Print ISSN 2349-5138	M. E. S College of Engineering, Pune	M. E. S College of Engineering, Pune
135	Raj Kishore Prasad, Deepali Sale, Mrinai Dhanvijay		" Survey of Mobile Communication Systems"	6th National Conference on Advancements in Communication, Computing and Electronics Technology (ACCET)	6th National Conference on Advancements in Communication, Computing and Electronics Technology (ACCET)	National	2018-19	e ISSN 2348 –1269, Print ISSN 2349-5138	M. E. S College of Engineering, Pune	M. E. S College of Engineering, Pune
136	Miss R. M. Wahul		Water Quality Data Analysis and Monitoring System in IoT Environment	3rd International Conference on Contemporary Computing and Informatics (IC3I)	3rd International Conference on Contemporary Computing and Informatics (IC3I)	International	2018-19	Electronic ISBN: 978-1-5386-6894-8	Modern Society Society's College of Engineering, Pune	IEEE
137	Mrs. S.P.Deore	On-line Devanagari Handwritten Character Recognition Using Moments Features	On-line Devanagari Handwritten Character Recognition Using Moments Features	International Conference on Recent Trends in Image Processing and Pattern Recognition RTIP2R 2018 Part of the Communications in Computer and Information Science	International Conference on Recent Trends in Image Processing and Pattern Recognition RTIP2R 2018	International	2018-19	Print ISBN 978-981-13-9186-6	Sathyabama Institute of Science and Technology, Chennai, India and MESCOE,Pune-01	Springer
138	Mrs. A. P. Kale		Mathematical Model of IoT based Decision Support System for Uncertainty Classification Problem	Conference Proceeding – National Level Research Symposium on Computing - RSC 2018	National Level Research Symposium on Computing - RSC 2018	National	2018-19	ISBN: 978-81-937924-0-7	WCE Sangli	-
139	Dr. (Miss R. M. Wahul		Query Time Optimization Using Hungarian Algorithm	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
140	Dr. (Mrs.) R. A. Khan		Automated Subjective Text Evaluation using ANN	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
141	Dr. (Miss R. M. Wahul		Spam review detection and recommendation of superior results in NetSpam framework	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
142	Dr. Jayshree R. Pansare		Real-Time Text Reader for English language	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
143	Prof. Shubhangi R. Khade		A Review of Detection of Heart Failure Using Deep Learning Techniques	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
144	Prof. Shraddha R. Khonde		Multi-Attacks Detection in Distributed System using Machine Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
145	Prof. Shraddha R. Khonde		Hybrid IDS using Decision Tree and Isolation Forest	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
146	Prof. Deepali Ahir		A Implementation Paper On Multipurpose Corporation System Using Blockchain Technology	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
147	Dr.Archana Kale		Intrusion Detection System Using Cloud Computing	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings

148	Dr. N. F. Shaikh		. Indoor Navigation System for Visually Impaired	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
149	Dr. (Mrs.) R. A. Khan		Secure Browsing Avoiding Phishing Attacks Using Hybrid Blacklisting	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
150	Prof. A. S. Kamble		Prediction of Stock Market Using Naïve Bayes Algorithm	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
151	Dr. S .K .Wagh		AI-Powered Automated Video Interview Evaluation	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
152	Prof.Mahesh Shinde		Author Identification using Data Mining Techniques	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
153	Prof.Balaji Bodkhe,		Data Privacy Preservation Through CryptMDB	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
154	prof.S P Khedkar		Secure File Storage on Cloud using Hybrid Cryptography	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
155	prof.G.S.Pole		Chatbot for Medical Assistance	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
156	Prof.Balaji Bodkhe,		Disease Prediction System using Decision Tree	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
157	Prof.Mahesh Shinde		Gesture Based Control of Mechanical Arm using Wearable IMU Sensors	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
158	Dr. Nuzhat F. Shaikh		An effective utilization of Augmented Reality in Engineering	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
159	Prof. Shubhangi Khade		IoT Based Smart Television for Child Eyes Safety	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
160	Prof. G.B. Aochar		ReadAssist: A device that helps me read	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
161	prof.S.P. Deore		Recognition of Handwritten Devanagari Characters using Capsule Neural Network	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
162	prof.Shobha Raskar		Smart Chair based Disease Prediction using IoT and Machine Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
163	Prof. S. S. Raskar		Voice Response Based Email Service for Visually Challenged	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
164	Prof.Shalaka Deore		A Survey to Read Handwritten Devanagari Script	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
165	Prof. Sagar B.Shinde		A Wireless Intelligent Car Door Locking System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
166	Prof. Archana Kale		A Survey on Estimating Audience Engagement to Predict Movie Ratings	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
167	prof.Gopal Deshmukh		Vehicle Safety System	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
168	prof.S.B.Shinde		HOLOLearning- Education Application for Engineering Students using Mixed Reality	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
169	prof.Jayshree Pansare		Brain MRI Segmentation for Tumour Detection	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
170	Dr.Sharmila K. Wagh		Automatic Quality Assessment of apical four-chamber Echocardiograms using deep convolutional neural networks	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings

171	Prof. Shraddha R. Khonde		Improving Label Noise Filtering by Exploiting Unlabeled Data Using Supervised Learning	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
172	prof, D.D. Ahir		Smart Pantry	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
173	prof.Anand Dhawale		Enhancing Spell Checking and Grammar Checking Using Decision Tree and Distance Analysis Techniques	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
174	prof.Jayshree Pansare		IP Addressing	Recent Advances in Computer Engineering	Recent Advances in Computer Engineering (RACE-2019)	National	2018-19	2347-3649	MES College of Engineering, Pune	In Proceedings
175	Dr.Vikas .N.Chougule	COMPUTER ORIENTED NUMERICALS METHODS	-	-	-	-	2017-18	ISBN 9789380725307	MESCoE Pune	NIRALI PRAKASHAN
176	Mr. G. S. Pole		An efficient supervised clustering using fuzzy logic	International conference on Intelligent Systems and Information Management (ICISIM)	International conference on Intelligent Systems and Information Management (ICISIM)	International	2017-18	Electronic ISBN:978-1-5090-4264-7 Print on Demand(PoD) ISBN:978-1-5090-4265-4	Modern Society Society's College of Engineering	IEEE
177	Mrs. A. P. Kale	IEEE International Conference on Signal and Image Processing Applications (IEEE ICSIPA - 2017), Malaysia.	Optimal Feature Subset Selection for Fuzzy Extreme Learning Machine using Genetic Algorithm with Multilevel Parameter Optimization	IEEE International Conference on Signal and Image Processing Applications (IEEE ICSIPA - 2017), Malaysia.	IEEE International Conference on Signal and Image Processing Applications (IEEE ICSIPA - 2017), Malaysia.	International	2017-18	ISBN: 978-1-5090-5558-6	WCE Sangli	IEEE
178	Mrs. A. P. Kale	International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017)	IoT based Framework : Genetic Algorithm based Feature Subset Selection for Agricultural Data	International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017)	International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017)	International	2017-18	ISBN: 978-81-931456-1-8	WCE Sangli	ICAEASM
179	Mrs. A. P. Kale	National Level Research Symposium on Computing - RSC 2017	Improved Genetic Particle Swarm Optimized Feature Subset Selection for Extreme Learning Machine	National Level Research Symposium on Computing - RSC 2017	National Level Research Symposium on Computing - RSC 2017	National	2017-18	ISBN: 978-81-931546-8-7	WCE Sangli	
180	Mr. N. L. Chourasiya		Computation Offloading in Hand-held Devices using Ternary Decision Maker in accountancy with Time and Energy	Springer International Conference on Recent Advancement in Computer and Communication (IC-RAC-2017)	Springer International Conference on Recent Advancement in Computer and Communication (IC-RAC-2017)	International	2017-18			
181	Mrs. S. H. Pisey		Abstraction of Multiple Communication Technologies	International Conference On Advances in Communication and Computing Technology(ICACCT)	International Conference On Advances in Communication and Computing Technology(ICACCT)	International	2017-18			
182	S.R.Khonde		An improved Technique of extracting frequent itemsets from massive data using mapreduce	ICMTES	International Conference on Modern Technologies in Engineering and Science (ICMTES)	International	2017-18		Hyderabad, Andhra Pradesh, India	
183	S.R.Khonde	A Novel Approach of Frequent Itemset Mining Using HDFS Framework	A Novel Approach of Frequent Itemset Mining using HDFS Framework	Advances in Intelligence Systems and Computing	2nd International Conference on Intelligent Computing and Communication (ICICC)	International	2017-18	978-981-10-7244-4		Springer, Singapore, Scopus
184	S.R.Khonde		HDFS Framework for Efficient Frequent Itemset Mining using MapReduce		1st International Conference on Intelligent Systems and Information Management (ICISIM)	International	2017-18	Electronic ISBN:978-1-5090-4264-7 Print on Demand(PoD) ISBN:978-1-5090-4265-4		IEEE Expolre, Scopus
185	S.R.Khonde		An Efficient approach of extracting frequent itemsets from large data using HDFS Framework	1st International Conference on Mechanical, Electronic Systems and Computer Engineering (ICMESCOE)	1st International Conference on Mechanical, Electronic Systems and Computer Engineering (ICMESCOE)	International	2017-18	ISSN 2039 – 5086	Modern Education Society's College of Engineering	Scopus

186	Dr. (Mrs.)N.F.Shaikh		Data Mining and Visualization for Prediction of Multiple Diseases in Health Care	IEEE International Conference on Big Data Analytics and Computational Intelligence	2017 International Conference on Big Data Analytics and Computational Intelligence (ICBDAC)	International	2017-18	Electronic ISBN:978-1-5090-6400-7 USB ISBN:978-1-5090-6399-4 Print on Demand(PoD) ISBN:978-1-5090-6401-4	Modern Society Society's College of Engineering	IEEE
187	Dr. (Mrs.)N.F.Shaikh		Extracting Features Using Improved Techniques From Encoded Video For Searching	International Conference on Modern Technologies in Engineering and Science To be published in IJET (UGC listed journal)	International Journal of Engineering and Technology (IJET)	International	2017-18	ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024	Modern Society Society's College of Engineering	
188	Dr. (Mrs.)N.F.Shaikh		"Feature Extracting From Video Encoded For Searching using Improved Methods",	IC-MESCoE, Pune published in IRECAP, Praseworthy Publications Vol 7, No 6 (2017)	International Journal on Communications Antenna and Propagation (IRECAP)	International	2017-18	DOI: https://doi.org/10.15866/irecap.v7i6.13612	Modern Society Society's College of Engineering	Praiseworthy
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16. Synthesis and Characterization of Nickel Oxide Nanoparticle and its Application in Photodegradation of Methyl Red in Wastewater

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Abstract

Nickel oxide (NiO) nanoparticles have been synthesized via sol-gel method. In this method, ascorbic acid was used as a reducing reagent and ethylene glycol was used as a sol stabilizer and diffusion barrier. The structural property is studied by FTIR spectroscopy while particle size is determined from X-ray diffraction. The result obtained confirms the presence of nickel oxide nanomaterial with particle size 25nm. The photocatalytic activities of NiO powders were evaluated by measuring the degradation of Methyl Red (MR) in water under the UV region.

Keywords: NiO, sol-gel method, band gap, photodegradation.

1. Introduction

Nanomaterials exhibit significantly mechanical, electronic, magnetic, thermal, catalytic properties, and optical properties in comparison with their bulk counterparts and have extensively attracted interests in the field of environmental application such as air and water pollution, cosmetic technology, health care, catalysis, tissue engineering, medical diagnosis and therapeutics sensors and communication engineering etc.[1, 2]. NiO nanoparticles may have many applications such as in the manufacture of electrochromic, films, magnetic materials, p-type transparent conducting films, gas sensors, catalyst, alkaline batteries cathode, and solid oxide fuel cells anode[3–10]. Typically, preparation of nickel involves the solution phase chemistry

route, which in theory should provide multiple, simple ways to control the morphology, particle size and desirable crystalline phase. Ideally, the process should be amenable to scaling up.

Photocatalytic oxidation deals with photoactivated metal oxides as semiconductors involves in removal of contaminants from aqueous environment. The photocatalyst should capable of degrading the pollutant and have properties like biological and chemical inertness, stability towards photo corrosion, low cost and non-toxic. The photocatalytic reaction involves transfer of electrons from valence bands to conduction bands on absorbing radiation of sufficient energy.

Methyl red is one of the anionic azo dye commonly used in textile and paper printing dyeing[11] and it causes irritation of the eye, skin and digestive tract if inhaled/swallowed[12]. These dyes bind to the textile fibers such as cellulose and cotton through covalent bonds[13]. Methyl red are azo based chromophores which combines with various types of reactive groups. The reactivity has been attributed to the presence of sulphonate groups and azo bonds.

Nickel nanoparticles h ave been synthesized by reduction of metal salts using reducing agents such as $NaBH_4$[14-15], hydrazine [16–19] and polyols[20–24]. The uses and performance for a given property and application are, however, strongly influenced by the crystalline structure, the morphology, and the size of the particles. Therefore, it is very important to develop methods for the synthesis of nickel oxide nanoparticles in which the particle size and the crystal structure of the products can be controlled.

In this paper we reported a method for the synthesis of nickel oxide nanoparticles by sol-gel method and it is well dispersed, sphere-shaped, highly stable using alkaline ascorbic acid in glycol atmosphere.

2. Experimetal

2.1 Materials and methods

All chemicals used were of analytical reagent grade purchased from Merck. Doubly distilled water was used throughout. Fourier- Transform infrared (FT-IR) were recorded at a range of 4000-400 cm^{-1} using a Shimazdu FTIR Spectrometer. The crystal structure was studied by a Brucker D8 advance X-ray Diffractometer at UGC-DAE Consortium, Indore with Cu-K radiation (λ = 1.54 Å) to check the phase system and purity of the sample. The diffuse reflectance of the nanocomposites was performed at UGC-DAE Consortium, Indore using

Perkin-Elmer USA model Lambda 950. The TEM is carried out at SAIF, Punjab University Chandigarh.

2.2 Synthesis of Nickel Oxide nanoparticles

20 ml of ethylene glycol and 0.1M of nickel acetate solution was stirred for 15 minutes. To that solution alkaline ascorbic acid was added dropwise within a period of 30 min. the molar ratio of NaOH to ascorbic acid was set to be as 1:0.1 mole. After addition of alkaline ascorbic acid to metal salt solution, green colour ppt. of nickel hydroxide was formed. The ppt. was then washed with double distilled water and then with alcohol. The ppt. was then dried at oven at 250°C for 5 hours. The chemical reaction between nickel acetate and NaOH is as follows:

$Ni(CH_3COO)_2 + 2\ NaOH \rightarrow Ni(OH)_2 + CH_3COONa$

Nickel hydroxide decomposes by heating to nickel oxide as:

$Ni(OH)_2 \rightarrow NiO + H_2O$

Results

3.1 XRD

The XRD pattern of NiO nanoparticle is as shown in Fig. 3.1.The characteristic peaks of NiO nanoparticle occur at 2θ values of 17.15°, 29.91°, 33.89°, 37.71° and 44.72° corresponding to the Miller indices of (111), (200) (220) (311) and (400), respectively. All these diffraction peaks can be perfectly indexed to the face-centered cubic (FCC) crystalline structure of NiO[25] is in accordance with that of the standard spectrum (JCPDS, No. 40-1191).The crystallite size of the nickel oxide nanoparticles was calculated from the full-width at half-maximum (FWHM) of the (200) peaks in the XRD patterns using the Scherrer equation and calculated to be 28nm.

3.2 FTIR

The IR spectrum of the precursor nickel oxide nanoparticle is shown in Fig.3.2. The broad absorption band centered at 3639 cm^{-1} is attributed due to the band $\upsilon_{(O-H)}$ stretching vibrations, and the band at 1604 cm^{-1} is attributed due to bending mode $\delta_{(H-O-H)}$. The band at 1327 cm^{-1} is primarily due to the bending vibration of ionic CO_3^{2-}. The three bands appearing around 1155 cm^{-1}, 952 cm^{-1}, 750 cm^{-1} confirm the presence of $\upsilon_{(C-O)}$ in the precursor. The strong band at 478 cm^{-1} corresponds to the banding vibration of NiO[26-27].

3.3 Diffused Reflectance spectra

The optical properties of NiO nanoparticles have been evaluated from their UV-vis absorption spectral studies. Fig. 3.3a and b shows the absorption spectra and Diffused

Reflectance spectrum of nickel oxide nanoparticles sample. It is well known that the relationship between absorption coefficient (α) near the absorption edge and optical band gap (E_g) obeys the equation (3.8) for a semiconductor where B is the parameter that relates to the effective masses associated with the valence and conduction bands, hν is the photon energy and n is eiher two for a direct transition or half for an indirect transition. The absorption edges are seen to be shifted slightly towards lower wavenumber (blue shift). This shift indicates an increase in the band gap, which can be attributed to a decrease in particle size. The value of the absorption edge of NiO nanoparticle was 320 nm, blue shift was observed due to the quantum confinement effects. According to the data of the absorption spectra, the optical band gaps (Eg) of NiO nanoparticles can be estimated by using the following equation:

$$(Ahv)^n = B\left(hv - E_g\right) \qquad (3.8)\ .$$

Hence, the optical band gap for the absorption peak can be obtained by extrapolating the linear portion of the $(Ahv)^n - hv$ curve to zero shown in Fig. 3.13b. The band gap is determined by extrapolating the linear portion of the plot to the energy axis. The corresponding band gap energy to be calculated 3.87 eV for sample, which was good agreement with the value of 3.6- 4.0 eV for the NiO nanoparticles[28]. This clearly indicate the presence of quantum size effects in the prepared NiO by Sol-gel method.

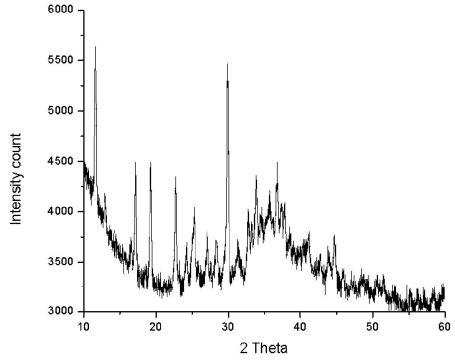

Fig.3.1.XRD pattern for NiO nanoparticle

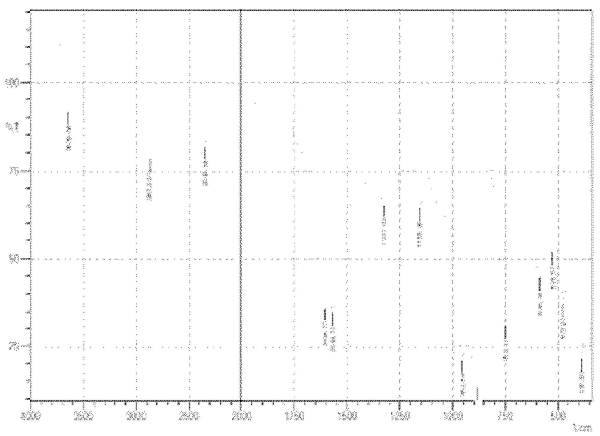

Fig. 3.2 FTIR spectra for NiO nanoparticle

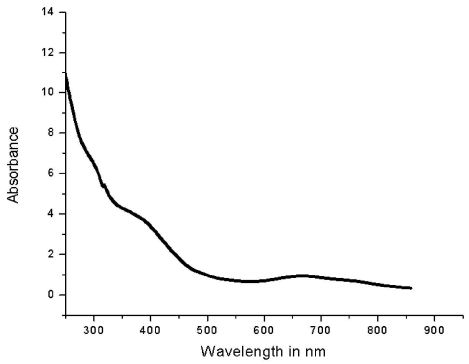

Fig. 3.3a UV-Vis absorption spectrum of NiO nanoparticles

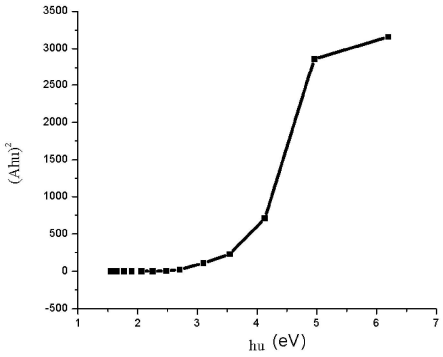

Fig. 3.3b $(Ah\upsilon)^n$ versus $(h\upsilon)$ spectra of as-synthesized NiO nanoparticles

3.4 Photocatalytic degradation of methyl red

Water is polluted by the effluents discharged from various industries and some of the pollutants are acids, dyes, heavy metals and nanoparticles. The polluted water bodies lead to the lack of safe drinking water. Hence an efficient method is required to remove the pollutants from the wastewater. Membrane technology is an emerging technology used for water treatment. Among the various membrane fabrication techniques, electrospinning gained popularity because of its large surface area to volume ratio and high porosity. Many polymeric nanomaterial have been prepared by using electrospinning technique. Electrospun nanofibre membranes have been extensively studied for the removal of hazardous pollutants from the wastewater.

Dyes are chemical compounds that are used to impart the colour to various materials. Many industries like dyestuffs textile, additives, paper and plastics, foodstuffs, laser material, leather etc are generating wastewater that are highly toxic, carcinogenic, mutagenic[28]. Methyl Red (MR) degradation was performed using the NiO metal oxide semiconductor nanomaterial. The methyl red dye is one of the generally accepted organic pollutants for degradation studies and is used as an industrial standard.

In order to study to study the photocatalytic property of our synthesized products, we measured the optical property changes of dye in aqueous solutions in absence as well as in the presence of NiO nanoparticle under the exposure of light for 2hr. The experiment is carried out under different concentration of dye at pH = 7 and keeping the photocatalyst constant conditions. The maximum absorbance was found to be at 430 nm. According to the principles of metal oxide

photocatalysts, the energy gap are generated on the surface of oxide when are irradiated in photon light which can either exceeding or equaling the band gap energy, an electron may be promoted from the valence band to the conduction band (e^-_{cb}) leaving behind an electronic vacancy or "hole" in the valence band (h^+_{vb}). If charge separation is maintained, the electron and hole may migrate to the catalyst surface where they participate in redox reactions with the sorbed species.

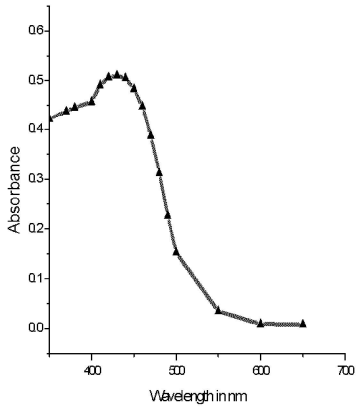

Fig. 3.4a Absorbance spectra for Methyl Red

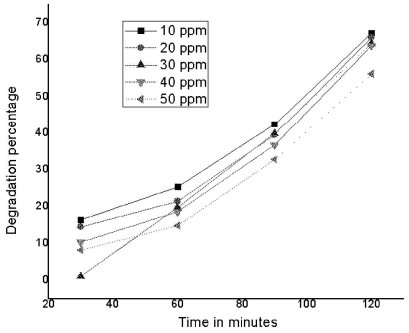

Fig. 3.4b Degradation of methyl red as a function of time

Fig.3.4b shows the degradation of methyl red dye using nickel oxide nanoparticles. Effect of nickel oxide on different concentration of methyl red dye as 10 ppm, 20 ppm, 30 ppm, 40 ppm and 50 ppm was studied. And the weight of catalyst was taken to be constant as 1gm/lit. It was found that with the increase in concentration of the organic pollutant, the degradation percentage was decreases. The photocatalytic activity of metal oxide depends upon the crystal structure, crystallinity, particle size and surface to volume ratio. All these parameters are responsible for the degradation of any organic pollutant. A plot shows the percent degradation versus irradiation time (min) for the suspension of MR in the presence of nickel oxide nanoparticle which reveals that around 67.21% for 10 ppm, 66.01% for 20 ppm, 64.65% for 30 ppm, 63.81% for 40 ppm and 56.81% for 50 ppm degradation takes place after 120 min of irradiation in the presence of catalytic iron oxide NPs. The obtained data for degradation and rate constant is presented in Table I.

Table I: Degradation rate constant

Sr. No.	Concentration	Degradation rate Constant (min^{-1})	Degradation Percentage
1.	10 ppm	0.0139	67.21%
2.	20 ppm	0.0137	66.01%
3.	30 ppm	0.0137	64.65%
4.	40 ppm	0.0137	63.81%
5.	50 ppm	0.0137	56.14%

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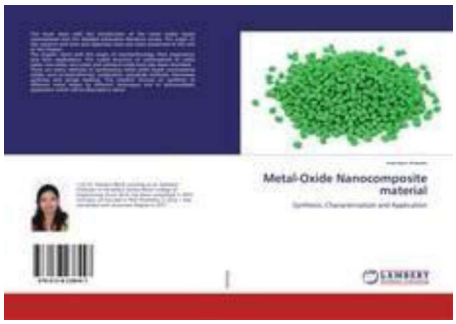

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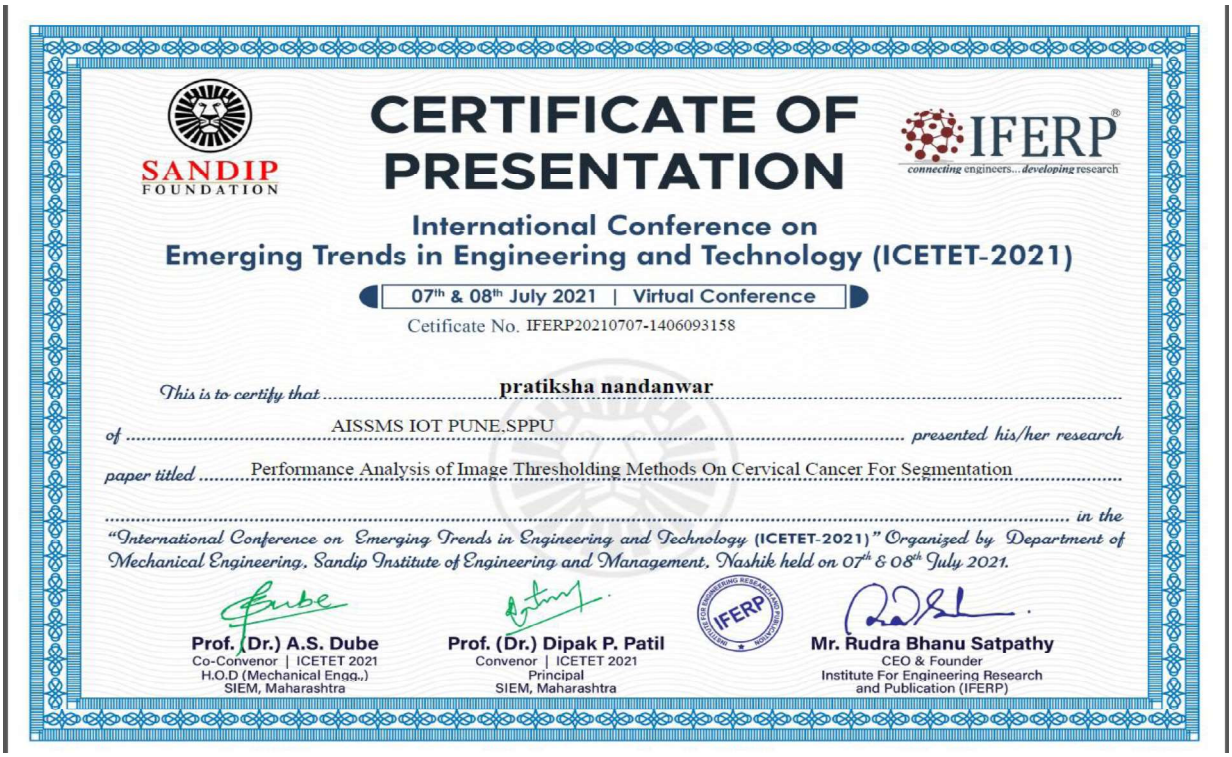

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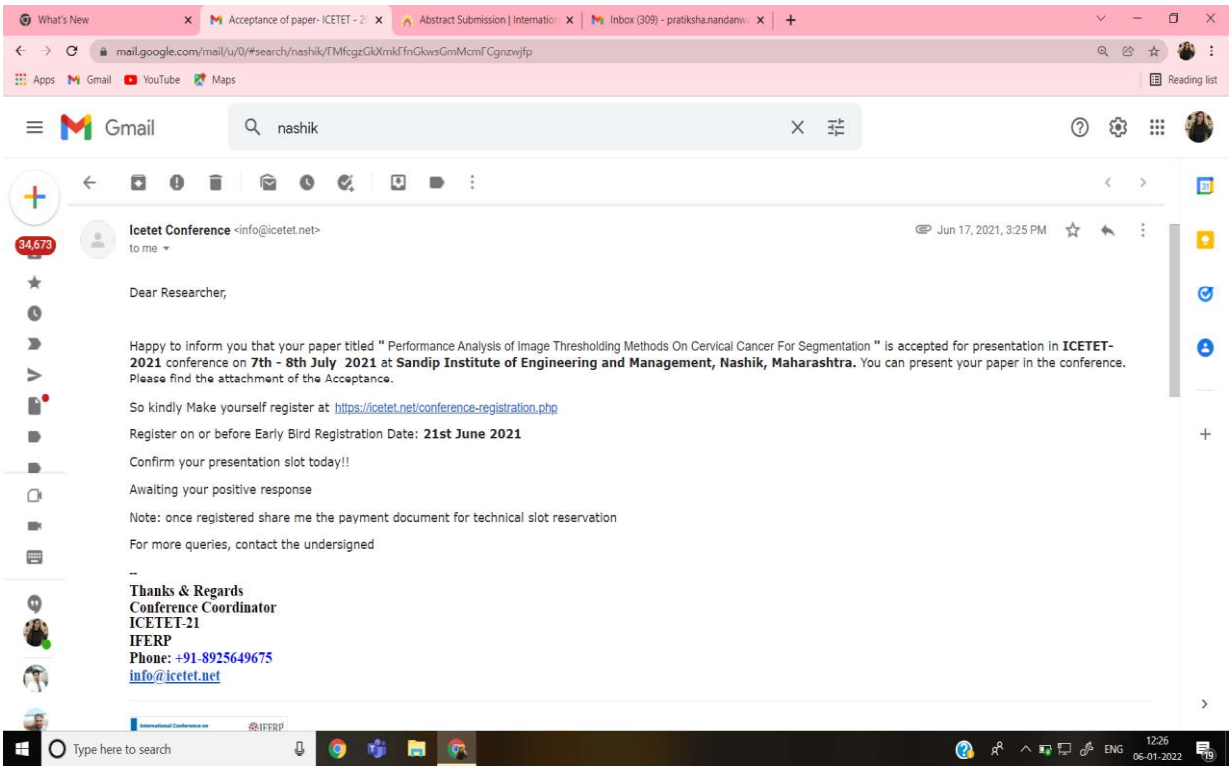

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Performance Analysis of Image Thresholding Methods on Cervical Cancer Pap smear image for Segmentation

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Abstract:--
Cancer is a disease where anomalous cells grow with no control and can march into other tissues. Cervical cancer is most widespread cancer in women globally. In view of challenges and limitations of the existing manual screening test on, it is essential to achieve the intelligent system with superior exactness for detecting cervical cancer abnormal cells at early stage. Image processing in medical field is most significant and tough as early detection and analysis of cervical cancer is difficult and time consuming task. For improving early detection and treatment stages in various cancers Image processing techniques are used. Dividing the image into numerous segments for the purpose of locating objects and boundaries in image is done by using Image segmentation method. Image thresholding is one of the techniques of image segmentation which binarize the image based on pixel intensities as it divides the image into two groups of pixels i.e black and white pixels . This paper focuses on implementation of two techniques that are simple thresholding and adaptive thresholding specifically on pap smear images of Cervical cancer. For implementing the proposed work results of Image thresholding python openCV library is used. To verify the comparative performance of each technique, black pixel and white pixel ratio has been calculated.

Index Terms
Cervical cancer,Pap smear image, Segmentation, image thresholding, Pre-processing.

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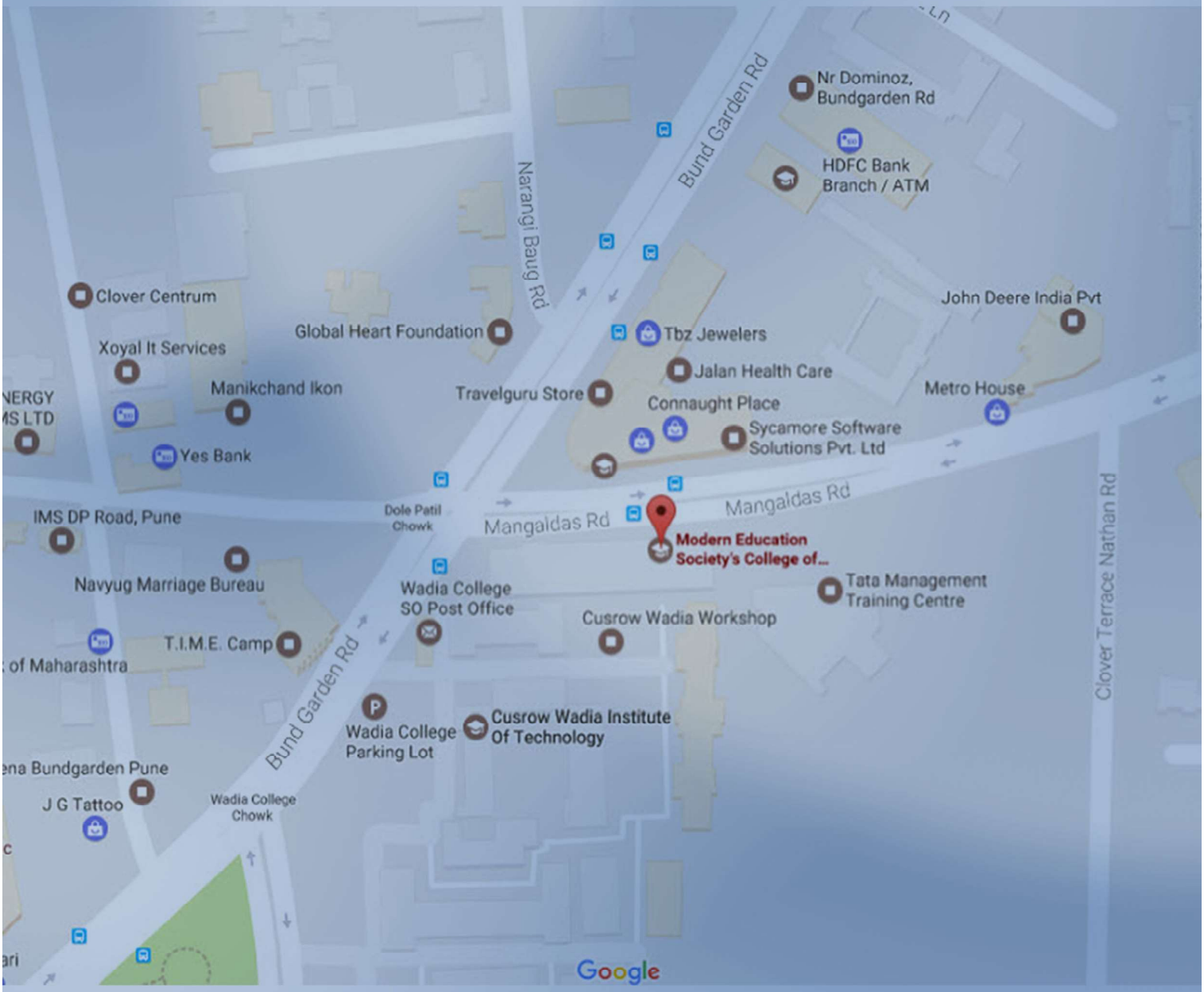

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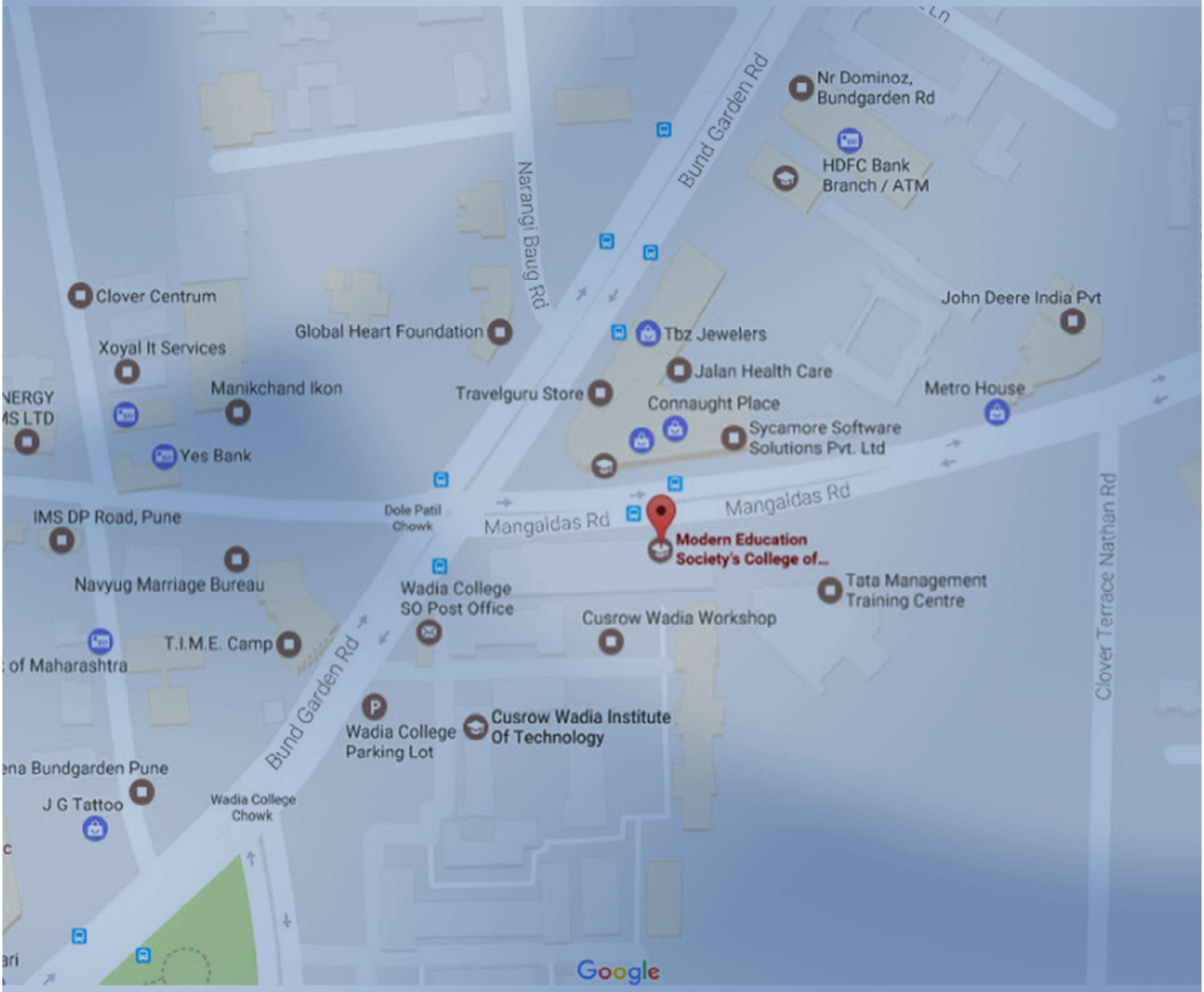

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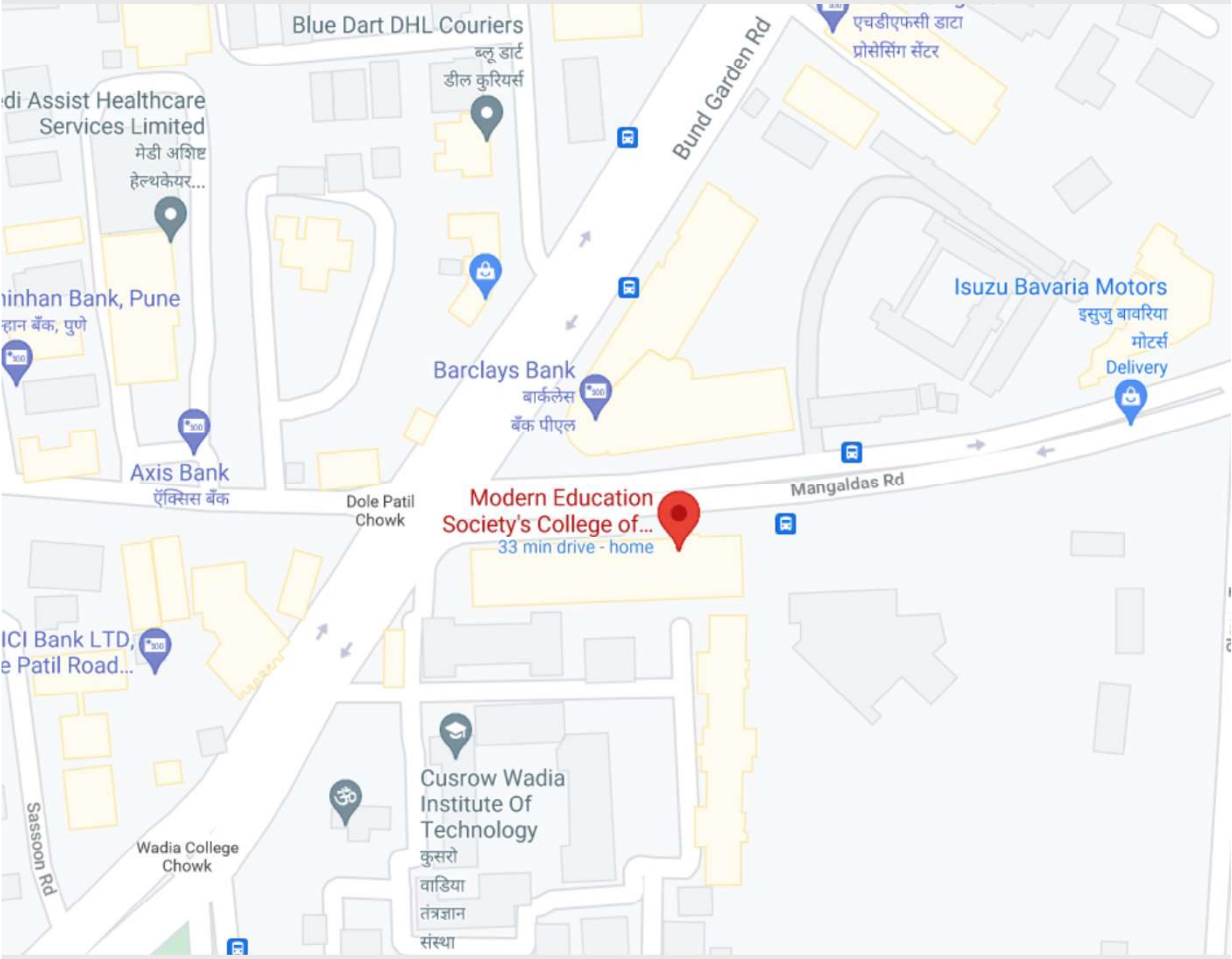

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