

Six Monthly Progress Report of Research Centre. (From January 2021 to June 2021)

Research Centre	MET's Institute of Engineering, Bhujbal Knowledge City, Nashik - 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Number of Registered Scholars	13
Number of Successfully completed Ph.D.	01 (Prashant M Yawalkar)
Name of Guides (supervisors) affiliated with research centre.	Dr. M U Kharat, MET's Institute of Engineering NASHIK Dr. S V Gumaste, MET's Institute of Engineering NASHIK Dr. S S Sane, K K Wagh College of Engineering, NASHIK Dr. D V Patil, R H Sapat College of Engg Management & Research, NASHIK Dr. M R Sanghavi, SNJB's Late Sau K B Jain College of Engineering CHANDWAD Dr. Ms. B L Gunjal, Amrutvahini College of Engineering, SANGAMNER

Sr No	Date	Activity taken by Research Centre.
Title Finalization / Six Monthly Progress / Pre-Synopsis Presentation of research Scholars.		
1	March 2021	"Pre-Synopsis Presentation" is carried out for two research scholars (K V Metre; R P Dahake) of registration year 2016 [12/03/2021]
2	March 2021	"Six monthly Progress Presentation-III" is carried out for five research scholars (V B More; K N Tayade; G K Bhamare; R R Chakre; A S Sumant) of registration year 2018 [13/03/2021]
3	March 2021	Title Finalization Presentation is scheduled for Ph.D. Admissions-2019 (Round-II) registration candidates (01 Vijay U Rathod) [13/03/2021]
Presentations / Publications / Patents from Research Scholars (10)		
1		Kishor Tayade, Madan Kharat, Shyamrao Gumaste "Analysis of certain Topology-Based Protocols in VANET Urban Scenario", IEEE PhD EDITS on Nov 8, 2020 Organized by IEEE ComSoc, Bangalore and Published on IEEE Explore Digital Library Jan 2021
2		Kishor Tayade, Dr. M U Kharat. "Enhancement of Link Stability and Connectivity in Vehicular Ad hoc Networks", International Conference on Innovations and Trends in Computing, Organized by CE and IT department of MET's Institute of Engineering, Nashik on 26-27 Feb 2021.
3		V B More, Dr. M U Kharat, Dr. S V Gumaste, "Segmentation of Lines and Words of Devanagari Text using Connected Component with Statistics Method" Presented in International Conference on Innovations and Trends in Computing (ICITC-2021) during 26-27 February 2021.
4		A S SUMANT, Dr. D V Patil presented paper titled "A Progressive Review on Feature Subset Selection for High Dimensional Data Analytics" in International Conference on Innovations and Trends in Computing-2021 (ICITC-2021)
5		K. V. Metre, M. U. Kharat, S. V. Gumaste, "Efficient Processing of Spatial-textual Queries on Streaming Data", Fifth International Conference on Data Management, Analytics and Innovation - 2021; January 2021(Best paper award-3rd position)
6		K. V. Metre, M. U. Kharat, S. V. Gumaste. "Location based Continuous Query Processing over Geo-streaming Data" International Conference on Innovations & Trends in Computing ICITC 2021, February, 2021 (Best paper award)

Six Monthly Progress Report of Research centre, MET's Institute of Engineering (Computer Engineering) from January 2021 to June 2021.

7	G K Bhamare, Dr. D V Patil, "Clustering Techniques in Data Streaming: A Survey", Paper presented at International Conference on Innovations & Trends in Computing ICITC 2021, February 2021.
8	N. G. Pardeshi, Dr. D V Patil; Presented a paper titled "A Review on Network Intrusion Detection System using Deep and Shallow Machine Learning Techniques" in ICITC-2021 (International Conference on Innovations and Trends in Computing) Organised by MET's IOE Nashik during 26-27 February 2021
9	R.P. Dahake and M.U. Kharat, S.V. Gumaste," Comparative Study of Illumination Pre-processing Techniques using Histogram Equalization and its Application in Face Recognition" presented in Int. Conf. on Intelligent Sys. Data Sci. and Computing Nov. 2020
10	R.P. Dahake and M.U. Kharat, S.V. Gumaste," Face Recognition from video using Threshold based Clustering" presented in International Conference on Innovations & Trends in Computing during 26,27 Feb 2021,organized at MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

Course Work Status of Recent admitted Research Scholars

1	Course work of Research scholars admitted in 2019 (Round-I and Round-II) completed successfully.
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Seminars delivered / Workshop / FDP / STTP conducted by Research Scholars (01)

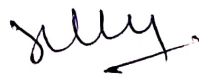
1	V B More had participated in AICTE Training And Learning (ATAL) Academy sponsored FDP Coordinated and Organized on "Machine Learning and Pattern Recognition" during 18-22 January 2021 online which was organized by MET's Institute of Engineering, Department of Computer Engineering, Bhujbal Knowledge City, Nashik.
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NPTEL / SWAYAM / Other Online Courses related to research attended by Scholars (03)

1	R R Chakre had participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Machine Learning and Pattern Recognition" from 18th to 22nd January 2021 at MET's Institute of Engineering, Nashik.
2	Vaishali Ramdas Khandave has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Machine Learning and Pattern Recognition" from 18th to 22nd January 2021 at MET's Institute of Engineering, Nashik.
3	S D Jondhale has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Machine Learning and Pattern Recognition" from 18th to 22nd January 2021 at MET's Institute of Engineering, Nashik



(Dr. S V Gumaste)
Research Coordinator



(Dr. M U Kharat)
Head, Dept of Computer Engg

(Dr. V P Wani)
PRINCIPAL


Six Monthly Progress Report of Research Centre. (From July 2021 to December 2021)

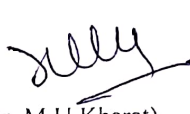
Research Centre	MET's Institute of Engineering. Bhujbal Knowledge City, Nashik - 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Total Number of Registered Scholars	13
Total Number of Successfully completed Ph.D.	01 (Prashant M Yawalkar) in August 2019
Name of Guides (supervisors) affiliated with research centre.	Dr. M U Kharat, MET's Institute of Engineering NASHIK Dr. S V Gumaste, MET's Institute of Engineering NASHIK Dr. D V Patil, R H Sapat College of Engg Management & Research, NASHIK Dr. A D Potgantwar, Sandip Institute of Engineering and Research, NASHIK Dr. M R Sanghavi, SNJB's Late Sau K B Jain College of Engineering CHANDWAD Dr. Ms. B L Gunjal, Amrutvahini College of Engineering, SANGAMNER

Sr No	Date	Activity taken by Research Centre.
Title Finalization / Six Monthly Progress / Pre-Synopsis Presentation of research Scholars.		
1	October 2021	“Six monthly Progress Presentation-IV” is carried out for five research scholars (V B More; K N Tayade; G K Bhamare; R R Chakre; A S Sumant) of registration year 2018 [in online mode on 12 th and 13 th October 2021]
2		“Six monthly Progress Presentation-I” is carried out for three research scholars (Madhuri Shinde, Nilesh G Paradeshi, Vaishali R Khandave) of registration year 2019 [in online mode on 12 th and 13 th October 2021]
3		“Six monthly Progress Presentation-I” is carried out for one Research Scholar Mr. Vijay Uttam Rathod of registration year 2021 (PhD Admission 2019 Part-II [in online mode on 13 th October 2021]
Presentations / Publications / Patents from Research Scholars (10)		
1		Rahul Ramesh Chakre, Dipak V Patil, “Particle Rider Mutual Information and Dendritic-Squirrel Search Algorithm With Artificial Immune Classifier for Brain Tumor Classification”, in the SCI journal, The Computer Journal, Oxford University Press. (Published Date: 22 Dec 2021). https://doi.org/10.1093/comjnl/bxab194
2		Kalpana. V. Metre, M. U. Kharat. “Efficient Processing of Continuous Spatial Textual Queries over Geo-textual Data Stream”, Accepted in Indonesian Journal of Electrical Engineering and Computer Science.(Scopus Indexed Journal) Q3.
3		Archana Shivdas Sumant, Dr. D. V. Patil, “Search Techniques for Data Analytics with focus on Ensemble Methods”, Third Doctoral Symposium on Intelligence Enabled Research (DoSIER 2021), Cooch Behar Government Engineering College, Cooch Behar, India in association with Acuminous Research Foundation (AcuminoR)" 12/11/2021 13/11/2021 Published in SCOPUS indexed journal Intelligence Enabled Research Series Title Studies in Computational Intelligence Copyright 2022 Publisher Springer Singapore ISSN 1860-949X
4		Archana Shivdas Sumant, Dipak V. Patil, “Hybrid Parallel Feature Subset Selection for High Dimensional Datasets” in SCOPUS indexed journal Advances in Parallel Computing ISBN 978-1-64368-216-7 (print) 978-1-64368-217-4 (online) Volume 39: Recent Trends in Intensive Computing Pages 68 - 73 DOI 10.3233/APC210180
5		Archana Shivdas Sumant & Dipak Patil, “Ensemble Feature Subset Selection: Integration of

Six Monthly Progress Report of Research centre, MET's Institute of Engineering (Computer Engineering) from July 2021 to December 2021.

	Symmetric Uncertainty and Chi-Square techniques with RReliefF” in SCOPUS indexed journal, Journal of The Institution of Engineers (India): Series B (2022) https://doi.org/10.1007/s40031-021-00684-5
6	Mr.N.G.Pardeshi, Dr.D.V.Patil, “A Review on Network Intrusion Detection System using Deep and Shallow Machine Learning Techniques”, UGC Journal of Oriental Research Madras, volume XCII-V, March 2021 (pp 93-102), ISSN - 0022-3301
7	Vijay More, Madan Kharat, “Segmentation of Lines and Words of Handwritten Devanagari Text using Connected Components with Statistics Method”, International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021), On December 17-18, 2021, Organized by: Department of Computer Science, Institute of Science, Banaras Hindu University, Varanashi, India ISSN: 1865-0937 (Print ISSN: 1865-0929).
8	Ranjana P. Dahake, M.U. Kharat, “Face Recognition from Video using Threshold based Clustering”, Turkish Journal of Computer and Mathematics Education (SCOPUS), Volume 12, Issue 01 (2021), (pp272-285), eISSN: 1309-4653
Course Work Status of Recent admitted Research Scholars	
1	Course work of Research scholars admitted in 2019 (Round-I and Round-II) completed successfully.
Seminars delivered / Workshop / FDP / STTP conducted by Research Scholars (01)	
1	Mr.N.G.Pardeshi Completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Quantum Computing" from 03/1/2022 to 07/1/2022 at MET's Institute of Engineering.
NPTEL / SWAYAM / Other Online Courses related to research attended by Scholars.	
NIL	


(Dr. S V Gumaste)
Research Coordinator


(Dr. M U Kharat)
Head, Dept of Computer Engg

(Dr. V P Wani)
PRINCIPAL

Institute of Engineering

Ref.: MET/BKC/IOE/Ph.D.(Computer Engg)/2022/2924

Date: 03/02/2022

To,

The Deputy Registrar (Academic Section),

Savitribai Phule Pune University,

Ganeshkhind,

Pune - 411 007.

Subject: Regarding submission of six monthly Progress Report from Research Centre of Computer Engineering (From January 2021 to June 2021; From July 2021 to December 2021)

Dear Sir,

Greetings from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

With reference to the above mentioned subject, please find the attachment regarding progress reports of the research centre of Computer Engineering from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

(i) From January 2021 to June 2021

(ii) From July 2021 to December 2021

You are requested to accept the same and acknowledge.

श्रीक्षणाधिक विभाग (संलग्नता कक्ष)
सावित्रीबाई फुले पुणे विद्यापीठ,
(पूर्वीचे पुणे विद्यापीठ)

दिनांक 18 FEB 2022

स्वाक्षरी

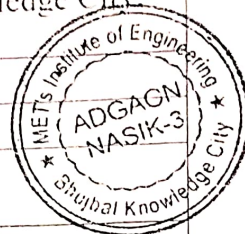
Sincerely,

Dr. V. P. Wani
PrincipalMET's Institute of Engineering
Bhujbal Knowledge City
At. Adgaon, Tal. & Dist. Nashik

1. Progress Reports of from January 2021 to June 2021 and Progress
2. Progress Reports of from July 2021 to December 2021

**Six Monthly Progress Report of Research Centre.
(Till June 2020)**

Research Centre	MET's Institute of Engineering, Bhujbal Knowledge City Nashik - 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Number of Registered Scholars	12
Number of Successfully completed Ph.D.	01 (Prashant M Yawalkar)
Name of Guides affiliated with research centre.	Dr. M U Kharat, MET's Institute of Engineering NASHIK Dr. S V Gumaste, MET's Institute of Engineering NASHIK Dr. S S Sane, K K Wagh College of Engineering, NASHIK Dr. D V Patil, R H Sapat College of Engg Management & Research, NASHIK



Sr No	Date	Activity taken by Research Centre.
Title Finalization / Six Monthly Progress / Pre-Synopsis Presentation of research Scholars.		
1	July 2020	Title Finalization Presentation is scheduled for Ph.D. Admissions-2019 (Round-I) registration candidates (05)
2	September 2020	"Six monthly Progress Presentation-V" is carried out for two research scholars (K V Metre; R P Dahake) of registration year 2016
3	September 2020	"Six monthly Progress Presentation-II" is carried out for five research scholars (V B More; K N Tayade; G K Bhamare; R S Chakre; A S Sumant) of registration year 2018
4	December 2020	Candidate selection process of Round-II (2019-20) completed in presence of Selection Committee; One candidate is recommended by committee and report is submitted to SPPU.
Presentations and Publications from Research Scholars		
1		Manisha Thombare, K. V. Metre, "Query Optimization and Execution of Dynamic Data Items in Network Aggregation Environment", Elsevier (2014), pp. 1406-1413, ISBN: 9789351072928.
2		P. E. Patel, Kalpana V. Metre, "Continuous Query Processing of Dynamic Data Items in Network Aggregation Environment", International Journal of Innovative Research and Advanced Studies, Volume : 4, issue 2 (2017), ISSN: 2394-4404, pp. 312-316.
3		K. V. Metre, M. U. Kharat, "Scalable Scalable Execution of KNN Queries using Data Parallelism Approach", International Journal of Engineering & Technology, Volume : 7, No 4.19 (2018) pp. 1060-1065, DOI : 10.14419/ijet.v7i4.19.28286 (Scopus Indexed Journal)
4		M. U. Kharat, R. P. Dahake, K. V. Metre. "Clustering Techniques for Content-Based Feature Extraction From Image ", Feature Dimension Reduction for Content-Based Image Identification, IGI Global, (2018), A volume in the Advances in Multimedia and Interactive Technologies (AMIT) Book Series, pp. 100-121.
5		K. V. Metre, M. U. Kharat, "Continuous Query processing on data stream: A Review", SITRC, Nashik (March 24 - 25, 2017) Best Innovation Award in cPGCON-17.
6		K. V. Metre, M. U. Kharat, "Scalable Scalable Execution of KNN Queries using Data Parallelism Approach", 5th International Conference on Emerging Trends in Computing, June 23-24, 2018
7		K. V. Metre, M. U. Kharat, "Continuous Query processing on data stream", D. Y. Patil Institute of Technology, Pune (April 3 - 4, 2019) cPGCON 2019
8		Ranjana Dahake, M. U. Kharat and Priti Lahane, "Challenges and Advances in Human Face Recognition from Real Time Video". International Journal of Advanced Trends in Computer Science and Engineering, vol.5 no. 6, pp 114-119, 2016

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MET's Institute of Engineering
Bhujbal Knowledge City

9	M.U. Kharat, R.P. Dahake and K.V. Metre, "Clustering Techniques for Content-Based Feature Extraction from Image", Feature Dimension Reduction for Content Based Image Identification, IGI Global, A volume in the Advances in Multimedia and Interactive Technologies (AMIT) Book Series, pp. 100-121, 2018 (Book Chapter)
10	R.P. Dahake and M.U. Kharat, S.V. Gumaste, "Comparative Study of Illumination Pre-processing Techniques using Histogram Equalization and its Application in Face Recognition" Bioscience Biotechnology Research Communications (Special issue) Vol. 13, No. 14, (2020) pp 394-403
11	Presented: R.P. Dahake and M.U. Kharat, "A Review on Human Face Name Association from Video", in proc. ePGCON, at SITRC, in association with BOS Computer Engineering, SPPU, 2017
12	R.P. Dahake and M.U. Kharat, "Face Detection and Processing: A Survey", Int. Conf. Emerging Trends in Computing at KKWIEE & R, Nashik, 2018
13	Ranjana Dahake, M. U. Kharat and Priti Lahane, "Challenges and Advances in Human Face Recognition from Real Time Video", International Journal of Advanced Trends in Computer Science and Engineering, vol.5 no. 6, pp 114-119, 2016
14	N. G. Pardeshi, Dr. D V Patil; published a paper entitled "POSTER IMAGES BASED MOVIE CATEGORY PREDICTION" in International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 2, Issue 6, June 2020.

Course Work Status of Recent admitted Research Scholars

01	Course work for 2019 (Round-I) admitted scholars had been started.
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Seminars delivered by Research Scholars

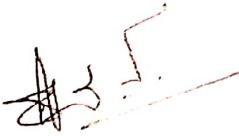
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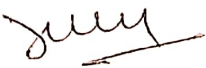
NPTEL / SWAYAM / Coursera / Other Online Courses related to research attended by Scholars

1	A S Sumant Completed Course on "Descriptive statistics with R Software" at SWAYAM with 91% score. (Feb - April 2020)
2	K V Metre had attended a workshop on "Multiprogramming with OpenMP and CUDA" organized by Department of Information Technology, PICT, Pune in June 2020
3	Ms. Vaishali R Khandave has participated and successfully completed an International Online Webinar on 'Art of Online Teaching, Research Paper Writing & Patent Registration' organized by SSBES' Institute of Technology & Management, Nanded held from 18-20 May, 2020
4	Ms. Vaishali Ramdas Khandave has attended Webinar on "English for Academic Research Writing" organized by Department of Computer Engineering, SSBT's College of Engineering & Technology, Bambhori, Jalgaon (M.S.), India on 16th June, 2020.
5	Ms. Vaishali Ramdas Khandave has actively attended Online Webinar on "Primer on Intellectual Property Rights & it's Significance for Business Competition" organized by Department of Electrical Engineering, MET's IOE, BKC, Nashik held on 25/05/2020.

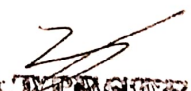
Work-Shop / FDP / STTP / Webinar

1	V B More had attended three days Webinar on Art of Online Teaching, Research Paper Writing and Patent Registration organized by Institute of Technology and Management, VIP Road, Nanded during 18-20 May 2020.
2	V B More had attended one week FDP on Machine Learning and Applications organized by Sagar Institute of Research and Technology, Bhopal during 18-23 May 2020.
3	V B More had attended one day Webinar on "English for Academic Research Writing" organized by SSBT COLLEGE OF ENGINEERING & TECHNOLOGY BAMBHORI, JALGAON on 16/06/2020.
4	V B More had attended one day Webinar on Research Methodology organized by Research Center Political Science and Economics, YCC Ambajogai, Dist Beed on 15/06/2020.


(Dr. S V Gumaste)
Research Coordinator


(Dr. M U Kharat)
Head, Dept of Computer Engineering




Principal

Principal
MET's Institute of Engineering
Shri Chhatrapati Knowledge City, Nashik-3

Six Monthly Progress Report of Research Centre (From July 2020 to December 2020)



Research Centre	MET's Institute of Engineering, Bhujbal Knowledge City, Nashik - 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Number of Registered Scholars	13
Number of Successfully completed Ph.D.	01 (Prashant M Yawalkar)
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Sr No	Date	Activity taken by Research Centre.
Six Monthly Progress Presentation of research Scholars. (4)		
1	July 2020	Title Finalization Presentation is scheduled for Ph.D. Admissions-2019 (Round-I) registration candidates (Yashpalsingh Chavhan; N G Paradeshi; S D Jondhale; V K Khandave; M V Shinde) [21st - 22nd July 2020]
2	September 2020	"Six monthly Progress Presentation-V" is carried out for two research scholars (K V Metre; R P Dahake) of registration year 2016 [25/09/2020]
3	September 2020	"Six monthly Progress Presentation-II" is carried out for five research scholars (V B More; K N Tayade; G K Bhamare; R R Chakre; A S Sumant) of registration year 2018 [25-29 Sept 2020]
4	December 2020	Candidate selection process of Round-II (2019-20) completed in presence of Selection Committee; One candidate is recommended by committee and report is submitted to SPPU.

Presentations / Publications / Patents from Research Scholars (5)

1	Ms. Madhuri Shinde, Dr. S V Gumaste; "An analytical study of Open Access Resources for Blockchain and it's Applications", 5th International Conference on "Innovation in IT and Management(ICI2TM, 2020)" (Journal Name: our heritage) ISBN: 0474-9030
2	R.P. Dahake and M.U. Kharat; "Face Detection and Processing: A Survey", International Journal of Engineering and Technology, vol.7, no. 4.19, pp. 1067-1071, 2018
3	R.P. Dahake and M.U. Kharat; "Skin Color based Human Face Detection and Processing from Video Sequences: A Survey", Annual Technical Volume of Computer Engineering Division Board, The Institute of Engineers(India), vol. 2, pp. 28-32, 2018.
4	V B More, Dr. M U Kharat, Dr. S V Gumaste; "Segmentation of Devanagari Handwritten Text Using Thresholding Approach", International Journal of Scientific & Technology Research (IJSTR) ISSN: 2277-8616, UGC-Care and Scopus Indexed Journal, Vol.9, Issue 3, pp 6594-6605.
5	V B More, Dr. M U Kharat, Dr. S V Gumaste; "Segmentation of Lines and Words of Devnagari Text using Connected Component with Statistics Method" 9th Post Graduate Conference of Computer Engineering cPGCON2020 held at Amrutvahini College of Engineering, Sangamner, 10 July 2020.

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[Signature]

Principal
MET's Institute of Engineering
Bhujbal Knowledge City, Nashik-3

	K. S. Dixale, M. U. Kharat, S. V. Gumaste, "Security Protection of Vehicular Ad-Hoc Networks: A Survey", International Conference on "Machine Intelligence & Smart Computing (ICMISC-2020)" on 21st -22nd May, 2020 at Government College of Engineering, Karad and is published in Solid State Technology Scopus Indexed Journal in Vol 63 Issue 2 PP 1026-1035 Nov 2020
7	A S Sumant, Dr. D V Patil, "Ensemble ranking methods and search methods for high dimensional datasets" 9th Post Graduate Conference of Computer Engineering ePGCON-2020 held at Amrutvahini College of Engineering, Sangamner, 10 July 2020
8	G K Bhamre, Dr. D V Patil, "Data Stream Clustering Techniques using various width clustering approach with enhanced clustering performance", Paper presented at ePGCON-2020, 10-11th July 2020, Department of Computer Engg, Amrutvahini COE, Sangamner.
9	R.P. Dahake and M.U. Kharat, "Recognizing Faces from Video using Image Clustering", (work presentation) in proc. ePGCON-2020, at AVCOE, Sangamner, in association with BOS Computer Engineering, SPPU, 2020
10	Yashpalsing Chavhan, Dr. S. V. Gumaste "A Review: Optical Character Recognition Based Reading Assistance To Visually Impaired" 6th International Conference on Nanoelectronics Circuits & Communication Systems NCCS-2020
11	R R Chakre, Dr. D V Patil: "Data Stream Clustering Techniques using various width clustering approach with enhanced clustering performance", Paper presented at ePGCON2020, 10-11th July 2020, Department of Computer Engg, Amrutvahini COE, Sangamner.
12	R R Chakre, Dr. D V Patil: "Bio-inspired Computing for Medical Image Analysis.", Paper presented at ePGCON2020 10-11th July 2020, Dept of Computer Engg, Amrutvahini COE, Sangamner.

Course Work Status of Recent admitted Research Scholars

01 | Course Work of recently admitted scholars (2019-Round-I) continued..

Seminars delivered by Research Scholars

NPTEL / SWAYAM / Other Online Courses related to research attended by Scholars

1	K V Mete had attended "High Performance using Parallel, Distributed and Cloud Computing" online at Yashwantrao Chavan College of Engineering, Nagpur (ATAL) in November 2020
2	K V Mete had attended AICTE-ISTE Approved one week STTP on "RESEARCH AND PUBLICATION ETHICS " by Prof Ram Meghe Institute of Technology & Research, Badnera in June- July 2020
3	Y. D. Chavhan has successfully completed NPTEL 8 week Online Certificate Course on "Introduction to Research"
4	Ms. Vaishali Ramdas Khandave has completed the NPTEL online certification course on "Introduction to research" and achieve the Elite+Silver Certificate in Sept -Nov 2020
5	Ms. Vaishali Ramdas Khandave has completed the NPTEL-AICTE Faculty Development Programme on "Introduction to research" during Feb- Apr 2020
6	Ms. Vaishali Ramdas Khandave has participated in 3 days online workshop on "Intellectual Property Rights" Organized by Computer Engineering Department, MVPS's KBT College of Engineering, Nashik during 9th - 11th, November 2020
7	Vaishali Ramdas Khandave has successfully completed "Convolutional Neural Networks" an online non-credit course authorized by deeplearning.ai and offered through Coursera in August 2020
8	S. D. Jondhale completed a NPTEL Course on "Introduction to Research"
9	N.G.Pardeshi Completed 8 weeks NPTEL Course on "Introduction to Research" during Sept -Nov 2020, with a consolidated score of 61% and received Elite Certificate

(Dr. S V Gumaste)
Research Coordinator

(Dr. M U Kharat)
Head, Dept of Computer Engg



(Dr. V P Wani)
Principal

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Institute of Engineering

16
Date: 15/03/2021

Ref: MET/BKC/IOE/Ph.D.(Computer Engg)/2021/ 2800

To,
The Deputy Registrar (Ph.D. Section),
Savitribai Phule Pune University,
Ganeshkhind,
Pune – 411 007.

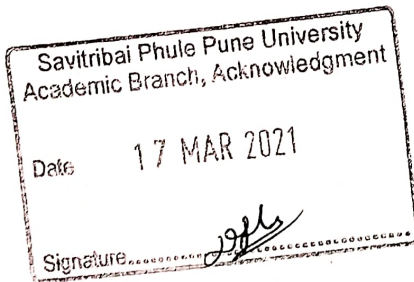
Subject : Regarding submission of six monthly Progress Report from Research Centre of
Computer Engineering

Dear Sir,
Greetings from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

With reference to the above mentioned subject, please find the attachment regarding progress reports of the research centre of Computer Engineering from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

- (i) Till June 2020
- (ii) From July 2020 to December 2020

You are requested to accept the same and acknowledge.



Sincerely,



Dr. V.P. Wani
Principal

Encl.:

1. Progress Reports as said above.

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Principal

MET's Institute of Engineering
Bhujbal Knowledge City, Nashik-3

Adgaon, Nashik - 422 003

Mobile : (91) 09881100099 | Tel. : (0253) 2303515 | Telefax : (0253) 2303203

E-mail : enquiries@bkc.met.edu | www.metbhujbalknowledgecity.ac.in

ISO 9001-2008 certified MET is an NGO in Special Consultative Status with United Nations (ECOSOC)

Institute of Engineering

Ref: MET/BKC/IOE/Ph.D.(Computer Engg)/2022/58

Date: 23/08/2022

To,

The Deputy Registrar (Academic Section),
Savitribai Phule Pune University,
Ganeshkhind,
Pune - 411 007.

Subject: Regarding submission of six monthly Progress Report from Research Centre of Computer Engineering (From January 2022 to June 2022)

Dear Sir,

Greetings from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

With reference to the above mentioned subject, please find the attachment regarding progress reports of the research centre of Computer Engineering from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

(i) From January 2022 to June 2022 (02 Pages)

You are requested to accept the same and acknowledge.

Sincerely,

Dr. V. P. Wani

Principal

Principal

MET's Institute of Engineering,
Bhujbal Knowledge City
At Adgaon, Tal. & Dist : Nashik-3
Encl.:



1. Progress Reports (From January 2022 to June 2022) (02 Pages).

ATTESTED

Principal

MET's Institute of Engineering
Bhujbal Knowledge City, Nashik-3

Adgaon, Nashik - 422 003

Mobile : (91) 09881100099 | Tel. : (0253) 2303515 | Telefax : (0253) 2305208

E-mail : enquiries@bkc.met.edu | www.metbhujbalknowledgecity.com

Six Monthly Progress Report of Research Centre.
(From January 2022 to June 2022)

Research Centre	MET's Institute of Engineering, Bhujbal Knowledge City - Nashik - 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Total Number of Registered Scholars	27 [2018: 05; 2019: 05; 2021 (Round-I): 16 ; Round-II: 01]
Total Number of Successfully completed Ph.D.	03 (Prashant M Yawalkar in August 2019; Kalpana V Metre and Ranjana P Dahake in May 2022)
Name of Guides (supervisors) affiliated with research centre.	Dr. M U Kharat, MET's Institute of Engineering NASHIK Dr. S V Gumaste, MET's Institute of Engineering NASHIK Dr. D V Patil, R H Sapat College of Engg Management & Research, NASHIK Dr. A D Potgantwar, Sandip Institute of Engineering and Research, NASHIK Dr. M R Sanghavi, SNJB's Late Sau K B Jain College of Engineering CHANDWAD Dr. Ms. B L. Gunjal, Amrutvahini College of Engineering, SANGAMNER

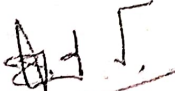
Sr No	Date	Activity taken by Research Centre.
Title Finalization / Six Monthly Progress / Pre-Synopsis Presentation of research Scholars.		
1	February 2022	Ph.D. Admission personal Interviews conducted on 03 rd February 2022. List of 57 Candidates received from University. Dr. V H Patil (VC Nominee-General), Dr. B S Jagdale (VC Nominee-Reservation), Dr. S S Sane (Subject Expert) were appointed by Honorable Vice Chancellor, SPPU, Pune for conducting personal Interview. 28 candidates were attended the interview. 16 candidates were selected.
2	February 2022	"Six monthly Progress Presentation-V" is carried out for two research scholars (V B More; K N Tayade) of registration year 2018 [in online mode on 21 st February 2022]
3	March 2022	Registration Approval received from SPPU PGS/PGS/1341 Dated 07/03/2022
4	April 2022	Title Finalization Presentation was conducted for 2021-Round-I registered 16 candidates on 27 th and 28 th April 2022. Complete documents submitted to SPPU for approval of Title on 06/05/2022.
5	April 2022	Progress Presentations for 2018 and 2019 registered candidates was conducted.
6	June 2022	Ph.D. Admission personal Interviews conducted on 09 th June 2022. List of 38 Candidates received from University. Dr. V H Patil (VC Nominee-General), Dr. B S Jagdale (VC Nominee-Reservation), Dr. S S Sane (Subject Expert) were appointed by Honorable Vice Chancellor, SPPU, Pune for conducting personal Interview. 05 candidates were attended the interview. 01 candidates were selected. Documents/Reports sent to University for approval.
7	June 2022	Pre-Synopsis presentation was held on 28/06/2022 for two research candidates. (Mr. K N Tayade and Mr. V B More). Progress Presentation-V and -II was held on 28 th and 29 th June 2022 for 2018 (two) and 2019 admitted candidates. Progress Presentation-I was held on 28 th and 29 th June 2022 for Mr. S D Jondhale (2019 admitted candidate).
Presentations / Publications / Patents from Research Scholars (10)		
1		K N Tayade, Dr. M U Kharat, "Mobility Prediction and Enhancement of Link Stability in VANET using MGPSR and MAODV Protocol", International Journal of Engineering

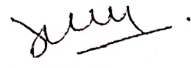
Health and Technology, Scopus Indexed journal, ISSN-2071-8811, Volume 11, Issue 53-58, February 2022. Link: <https://journal.org/archive/ijett-vol11p208>. DOI: 10.1115/20718811D11-V702P208

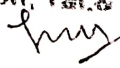
2. K. N. Jayade, Dr. M. U. Kharat, "Relocator Selection on V2V and V2I Using Particle Swarm Optimization to Enhance Connectivity and Mobility Prediction in Vehicular Ad Hoc Networks" in the International and Archival journal, published by Elsevier. (Communicated)
3. Vijay Rathod, Dr. S. V. Gumaste, "Role of Deep Learning in Mobile Ad-hoc Networks. Journal Name: Advances in Parallel Computing ISSN: 1879808X, Publication (Status: Under Communicated)
4. Vijay Rathod, Dr. S. V. Gumaste, "Effect of Deep Channel to Improve Performance on Mobile Ad-hoc Networks, Journal Name: Communications in Computer and Information Science (CCIS) series of Springer (Scopus Indexed), Publication (Status: Under Communicated)
5. Sumant A.S., Patil D.V. "Stability Investigation of Ensemble Feature Selection for High Dimensional Data Analytics", In: Chen, J.Z., Tavares, J.M.R.S., Ilyasu, A.M., Du, K.L. (eds) 3rd International Conference on Image Processing and Capsule Networks. ICIPCN 2022. Lecture Notes in Networks and Systems Springer (In Press) Presented 21-22 May 2022. Scopus.
6. Sumant A.S., Patil D.V., "Hybrid Parallel Dynamic Weighted Ensemble Classifier for High Dimensional Cancer Datasets with Horizontal Partitioning Communicated on 26th May 2022 to 14th Asian Conference on Machine Learning (ACML 2022) Journal for which accepted papers will appear in a special issue of the Springer Machine Learning Journal (MLJ). SCIE.
7. Rahul Chakre, Dr. D. V. Patil, Name of the Book Chapter: Nature Inspired Computing for Feature Selection and Classification. Book Title: Computational Intelligence in Image and Video Processing
8. Archana Shivdas Sumant, Dipak V. Patil, "Hybrid Parallel Feature Subset Selection for High Dimensional Datasets", Series Advances in Parallel Computing Ebook Volume 39: Recent Trends in Intensive Computing Pages 68 – 73 DOI10.3233/APC210180 IOS Press Amsterdam Netherlands (Published December 2021) Open Access Scopus
9. Sumant A.S., Patil D.V. "Search Techniques for Data Analytics with Focus on Ensemble Methods," In: Bhattacharyya, S., Das, G., De, S. (eds) Intelligence Enabled Research. Studies in Computational Intelligence, vol 1029. Springer, Singapore. https://doi.org/10.1007/978-981-19-0489-9_7 (2022). Published 30 March 2022 Scopus.

Course Work Status of Recent admitted Research Scholars

--
Seminars delivered / Workshop / FDP / STTP conducted by Research Scholars
--
NPTEL / SWAYAM / Other Online Courses related to research attended by Scholars.
NIL


 (Dr. S V Gumaste)
 Research Coordinator


 (Dr. M U Kharat)
 Head, Dept of Computer Engg

(Dr. V P Wani)
 PRINCIPAL
 Principal
 MEI's Institute of Engineering & Technology
 At. Angaon, Tal. & Dist. Nashik-3
ATTESTED


Institute of Engineering

Ref: MET/BKC/IOE/Ph.D.(Computer Engg)/2021/ 2800

16
Date: 15/03/2021

To,
The Deputy Registrar (Ph.D. Section),
Savitribai Phule Pune University,
Ganeshkhind,
Pune - 411 007.

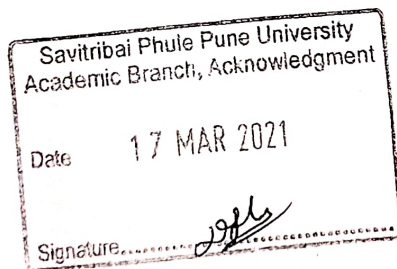
Subject : Regarding submission of six monthly Progress Report from Research Centre of
Computer Engineering

Dear Sir,
Greetings from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

With reference to the above mentioned subject, please find the attachment regarding progress reports of the research centre of Computer Engineering from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

- (i) Till June 2020
- (ii) From July 2020 to December 2020

You are requested to accept the same and acknowledge.



Sincerely,



[Signature]
Dr. V.P. Wani
Principal

Encl.:

1. Progress Reports as said above.

ATTESTED
[Signature]

Principal

Adgaon, Nashik - 422 003
Mobile : (91) 09881100099 | Tel. : (0753) 2303515 | Telefax : (0253) 2303203
E-mail : enquiries@bkc.met.edu | www.metbhujbalknowledgecity.ac.in
ISO 9001:2008 certified MET is an NGO in Special Consultative Status with United Nations (ECOSOC)

Ref: MET/BKC/IOE/PhD (Comp.Engg.)/2025/ 59)

Date: 07/02/2025

To,
The Deputy Registrar (Ph.D. Section)
Savitribai Phule Pune University,
Ganeshkhind, Pune-411007

Subject: Submission of Six Monthly Progress Report from Research Centre of Computer Engg.

Dear Sir,

Greetings from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.

With reference to the above mentioned subject, please find the attachment regarding progress reports of the research centre of Computer Engineering from MET's Institute of Engineering, Bhujbal Knowledge City, Nashik for the following duration:

- (i) January 2024 to June 2024
- (ii) July 2024 to December 2024

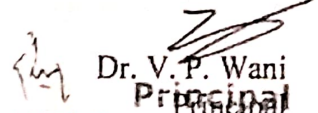
You are requested to accept the same and acknowledge.

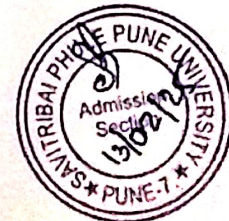
Sincerely,

Enc:

- 1) Report for January 2024 to June 2024
- 2) Report for July 2024 to December 2024




Dr. V. P. Wani
Principal
MET's Institute of Engineering,
Bhujbal Knowledge City
At. Adgaon, Tal. & Dist. Nashik-3.



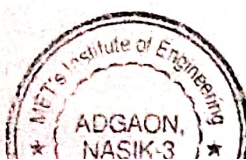
Sixth Monthly Progress Report of Computer Engineering Research Centre, MET's Institute of Engineering, Bhujbal Knowledge City, Nashik From January 2024 to June 2024.

Six Monthly Progress Report of Research Centre (From January 2024 to June 2024)

Research Centre	MET's Institute of Engineering, Bhujbal Knowledge City, Nashik – 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Total Number of Registered Ph.D. Scholars	42
Total Number of Successfully Completed Ph.D.	07 [Dr. Prashant Yawalkar, Dr. Kalpana Metre, Dr. Ranjana Dahake, Dr. Vijay More, Dr. Kishor Tayade, Dr. Archana Sumant, Dr. Rahul Chakre]
Name of Guides Affiliated with Research Centre	Dr. M. U. Kharat, MET's Institute of Engg., Nashik Dr. S. V. Gumaste, MET's Institute of Engg., Nashik Dr. D. V. Patil, GES's Gokhale Engg. College, Nashik Dr. A. D. Potgantwar, SITRC, Nashik Dr. M. R. Sanghavi, SNJB College of Engg., Chandwad Dr. Mrs. B. L. Gunjal, Amrutvahini CoE., Samgamner Dr. S. S. Sane, GES's Gokhale Engg. College, Nashik Dr. P. M. Yawalkar, MET's Institute of Engg., Nashik Dr. S. K. Sonkar, Amrutvahini CoE., Samgamner Dr. M. A. Wakchaure, Amrutvahini CoE., Samgamner

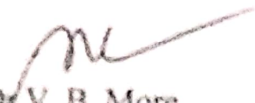
Activities conducted by Research Centre during Jan – June 2024

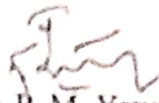
SN	Type of Activity conducted	Researchers completed the activity
1	10 Copyrights published	Jayshree N.Bedade, Rupali M. Bora, Priti V. Shinde, Shraddha Pawar, Vandana Pawar, Kiran Kulkarni, Manisha B. Thombare, Yogesh Arjun Shinde, Prasad Lahare, Ajit Patil
2	12 Conference papers presented / published	Vikram Abhang, Rupali M. Bora, Prasad A. Lahare, Ms.Prachiti Pimple, Nilam Suresh Rao Khairnar, Gunjan Deshmukh, Geetanjali Mohole (2), Dattatray Shingate, Jayshree N.Bedade, Yogesh Arjun Shinde, and Prashant Babasaheb Vikhe
3	7 Journal papers published	Yogesh Shinde, Vijay Rathod, Shraddha Pawar, Madhuri Shinde, Rupali M. Bora, Manisha B. Thombare, Geetanjali Mohole
4	19 FDPs attended	Yogesh Shinde, Vikram Abhang, Prashant Vikhe, Monika Surse, Kiran C. Kulkarni, Amol Gosavi (3 FDPs), Shraddha Pawar (6 FDPs), Vandana Pawar (5 FDPs)
5	17 NPTEL/ SWAYAM courses completed	I.Priyadarshini (3), Jayshree N.Bedade, Kushal Birla (3), Manisha B. Thombare. Pooja Vaikar (2 courses), Ms.Prachiti Pimple, Shraddha Pawar, Vrushali Sunil Nikam (2 courses), Vandana Pawar, Vikram Abhang, Gunjan Deshmukh
6	1 Patent	Madhuri Shinde - Title: Analysis and Implementation of Data Sharing and Privacy Preserving Technique in a Private Blockchain network.

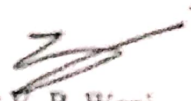


Details of Research Progress Presentation Activity

SN	Progress Date	Research Scholars	Experts
1	22/05/2024	<p>Progress III: Rohini Bhadane, Ajit Patil, Abhay Gaidhani, Santosh Ugale</p> <p>Progress V: Madhuri Shinde, Vaishali Khandave, Vijay Rathod,</p>	<p>Dr. S. S. Sarse, Head, Department of Computer Engineering, K.K. Wagh College of Engineering and Research, Nashik</p>
2	24/05/2024	<p>Progress II: Anita Gawali,</p> <p>Progress III: Anand Gharu, Priti Shinde, Prashant Vikhe, Rupali Bora, Manoj Bhatkar, Dattatray Shingate, Ravindra Aher, Amol Gosavi, Jayshree Bedade,</p> <p>Progress V: Nilesh Pardeshi</p>	<p>Dr. V. H. Patil, Vice Principal, Professor, and HOD, Dept of Computer Engineering, Matoshri College of Engineering and Research, Ekalhara, Nashik,</p> <p>Dr. M. R. Sanghavi, Professor and Head, Dept. of Computer Engineering, SNJB College of Engineering, Chandwad.</p>


Dr. V. B. More
Research Coordinator


Dr. P. M. Yawalkar
HOD Comp. Engg.


Dr. V. P. Wani
Principal
MET's Institute of Engineering,
Bhujbal Knowledge City
At. Adgaon, Tal. & Dist. Nashik-3.

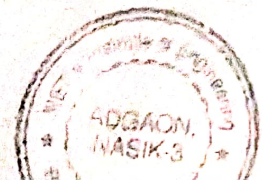


Six Monthly Progress Report of Research Centre (From July 2024 to December 2024)

Research Centre	MET's Institute of Engineering, Bhujbal Knowledge City, Nashik – 422003
Department	Computer Engineering
University	Savitribai Phule Pune University, Pune
Total Number of Registered Ph.D. Scholars	42
Total Number of Successfully Completed Ph.D.	07 [Dr. Prashant Yawalkar, Dr.Kalpna Metre, Dr.Ranjana Dahake, Dr. Vijay More, Dr.Kishor Tayade, Dr.Archana Sumant, Dr. Rahul Chakre]
Name of Guides Affiliated with Research Centre	Dr. M. U. Kharat, MET's Institute of Engg., Nashik Dr. S. V. Gumaste, MET's Institute of Engg., Nashik Dr. D. V. Patil, GES's Gokhale Engg. College, Nashik Dr. A. D. Potgantwar, SITRC, Nashik Dr. M. R. Sanghavi, SNJB College of Engg., Chandwad Dr. Mrs. B. L. Gunjal, Amrutvahini CoE., Samgamner Dr. S. S. Sane, GES's Gokhale Engg. College, Nashik Dr. P. M. Yawalkar, MET's Institute of Engg., Nashik Dr. S. K. Sonkar, Amrutvahini CoE., Samgamner Dr. M. A. Wakchaure, Amrutvahini CoE., Samgamner

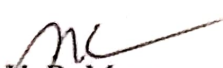
Activities conducted by Research Centre during July – December 2024

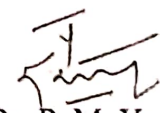
SN	Type of Activity conducted	Researchers completed the activity
1	6 Copyrights published	Prasad A.Lahare, Monika Surse, Vikram Abhang, Anand Nandlal Gharu, Ajit Prakash Patil, Anita Diliprao Gawali
2	10 Conference papers presented / published	Rohini Bhadane (2), Prashant Vikhe (2), Yogita Keshav Desai, Prasad A. Lahare, Nilesh G Pardeshi, Monika Surse, Kiran Kulkarni, Anand Nandlal Gharu
3	9 Journal papers published	Vijay U. Rathod, Anita Gawali, Vandana Pawar, Vaishali Khandave, Prachiti Pimpale, Manoj Bhatkar (2), Jayshree N. Bedade, Dattatray Shingate
4	11 FDPs & 2 Workshops attended	Yogesh Shinde, Vijay Rathod, Vrushali Sunil Nikam, Shraddha Pawar, Rupali M. Bora (2), Nilesh Pardeshi, Manoj Bhatkar, Kushal Birla, I. Priyadarshini, Amol Gosavi (3)
5	2 NPTEL/ SWAYAM courses completed	Ravindra Aher, Priyanka Hase (Aher)




Details of Research Progress Presentation Activity

SN	Progress Date	Research Scholars	Experts
1	28/08/2024	Progress I: Priyanka Aher Progress II: Geetanjali Mohole, Gunjan Deshmukh, Kiran Kulkarni, Pooja Vaikar, Prachiti Pimpale, Prasad Lahare, Priyanka Aher, Shraddha Pawar, Vandana Pawar, Vikram Abhang, Yogita Desai, Yogesh Shinde, Progress III: Manjusha Khond	Dr. D. V. Patil, GES's R. H. Sapat College of Engineering, Nashik, Dr. Kamini Shirsath, Professor and Head, Dept. of Computer Engineering, SIEM Nashik.
2	03-09-2024	Progress II: Nilam Suresh Rao Khairnar, Kushal Prakash Birla, Priyadarshini I, Vrushali Sunil Nikam, Manisha B Thombre, Monika Pramod Surse,	Dr. D. V. Patil, Professor and Head, Dept. of Computer Engineering, GES's R. H. Sapat College of Engineering, Nashik,
3	28/11/2024	Progress III: Anita Gawali, Progress IV: Anand Gharu, Dattatray Shingate, Prashant Vikhe, Ravindra Aher, Progress VI: Madhuri Shinde, Nilesh Pardeshi, Vaishali Khandave, Vijay Rathod	Dr. Varsha Patil, Vice Principal and Head Department of Computer Engineering, Matoshri College of Engineering & Research Centre, Eklahare, Nashik, Dr. D. V. Patil, Professor and Head, Dept. of Computer Engineering, GES's R. H. Sapat College of Engineering, Nashik,
4	03/12/2024	Progress IV: Abhay Gaidhani, Bedade Jayshree, Ajit Patil, Priti Shinde, Rohini Bhadane, Rupali Bora, Santosh Ugale	Dr. Kamini Shirsath, Professor and Head, Dept. of Computer Engineering, SIEM Nashik.


 Dr. V. B. More
 Research Coordinator


 Dr. P. M. Yawalkar
 HOD Comp. Engg.


 Dr. V. P. Wani
 Principal
 MET's Institute of Engineering,
 Bhujbal Knowledge City
 At. Adgaon, Tal. & Dist. Nashik-3.

