FACULTYPROFILE

Nameoftl	he Facı	ulty:	B.Chandra	Mohan				
Designation:		Professor & Head						
Departme	ent:		Electronics	and Communication	n		16	
			Engineerin	<u> </u>			1	- 17
Dateof Bi	irth:		24/05/196	8		M	19	1-11
AICTE- IC): 1	I-43725357	4					
 B.Tech in ECE from Nagarjuna University, BapatlaEngg College in 1990 M.Tech in Radar & Microwave Engineering Specialization fromCochin Ur of Science & Technology, Cochin in 1992 PhD in Image Watermarking specialization from JNTU Hyderabad Univ 2008 								
Experien	ice 7	eaching: 31	Years	Industry: Nil				
	F	Research: 17	7 Years	Others:Nil		Tota	ıl:31 Yea	rs
Research	Specia	lization	Imago Pr	ocossina				
Research	ispecia	lization	Image Pr	_				
				Machine Learning Deep Learning				
			Beep Lea	g				
		4 8: 11 11						
Courses t	aught	1. Digital Ir 2.Machine	nage Proces	sing				
			agnetic Field	d Theory				
			Communica	-				
			R	esearch contribution	s			
		li	nternational	I/national peer reviev	ved journ	als		
S. No.		Title of p	aper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1.	Retrie Conca Extra	vel Techniq eval ba atenated cted from rained CNN	ased consisted c	and Signal Processing	2023		1-12	Scopus

2.	"Calibration of Mismatches in	Journal of	2022	31		Scopus
	Time-Interleaved ADCs Using	Circuits,				SCIE
	Teacher Learner-Based	Systems and				
	Optimization Algorithm".	Computers				
	Journal of Circuits, Systems					
	and Computers.					
3.	"Optimization Algorithms based	International	2022	13(3)		ESCI
	compensation of mismatches in	Journal of				Scopus
	Time interleaved Analog to	Electrical and				
	Digital Converters-A Review".	Computer				
		Engineering Systems				
4.	Virus Texture Classification of	Brazilian	2022			Scopus
	Tem Images Using fusion of	Archives of	LULL			SCIE
	Chebychev Moments and	Biology and				
	Resnet50 features	Technology				
5.	Calibration of offsets in Time	Optoelectronic	2021	57	287-	SCOPUS
	Interleaved ADCs in an OFDM	S,	2021		296	ESCI
	receiver using differential	Instrumentatio			270	
	evolution algorithm, ,	n and Data				
	evolution digoritimi, ,	Processing				
6.	"Fuzzy based scheduling and	Journal of	2020	7		Scopus
	load balancing for zone	Critical		,		0000
	routing protocol (ZRP) in	Reviews				
	mobile adhoc networks",	1.0010003				
7.	"Load and Energy Aware	International	2020	29		Scopus
	Adaptive Zone Routing	Journal of				
	Protocol for MANET", ,	Advanced				
		Science and				
		Technology				
8.	Multimodal Medical Image	Journal of	2020			SCOPUS
	Fusion Techniques – A	Current Signal				
	Review	Transduction				
		Therapy				
9.		", IEEE	2020			SCI
	"Sparse Bayesian Learning	Transactions				
	Assisted Approaches for	on Intelligent				
	Road Network Traffic State	Transportation				
	Estimation	Systems				
10.	Advanced and Distributed	Journal of	2018	10		SCOPUS
	Relative Segment and	Advanced				
	Opportunistic Routing for	Research in				
	Congestion Control and	Dynamical &				
	Traffic Management in	Control				

	MANET", Systems					
11.	Extensive survey of Hybrid	International	2018	5		SCOPUS
	Routing Protocols in MANET	Journal of				
		Engineering				
		Research in				
		Computer				
		Science and				
		Engineering				
12.	A triple frequency vertex fed	IEEE Antenna	2018			SCI
	antenna for worldwide	and				
	wireless and microwave	Propagation				
	access interoperability	Magazine				
13.	Miniaturization of a	IEEE Antenna	2018			SCI
13.	microstrip antenna using	and	2010			301
	partially loaded non uniform	Propagation				
	meta surfaces with a	Magazine				
	metamaterial for indoor					
	wireless applications		2212			201
14.	A Large Random Matrix	IET	2018			SCI
	based Channel Estimation for	Communicatio				
	Massive MIMO OFDM Uplink	ns,				
15.	Multimodal medical image	Iranian Journal	2018			SCI
	fusion based on Yager's	of Fuzzy				
	intuitionistic fuzzy sets	Systems.				
16.	secret image sharing using	Journal of	2017			SCI
	eigen values and vectors	Information				
		and				
		Optimization				
		Sciences				
17.	Weighed noise threshold based	SADHANA	2017			SCI
	channel estimation for OFDM					
	Systems					
18.	Multimodal medical image	ETRI Journal	2017	39	173-	SCI
	fusion based on Sugeno's	(Electronics and			180	
	intuitionistic fuzzy sets	Telecommunica				
		tions Research				
10	Classification of bonign and	Institute)	2017			CCI
19.	Classification of benign and malignant masses using	Computer methods in	2017			SCI
	Bandelet and Ripplet type II	Biomedical and				
	Transform",	Biomechanics:				
	Transform ,	maging and				
		Visualization				
20.	A survey on denoising threshold	Journal of	2017		1	SCI
	based channel estimation	Engineering	,			""

	algorithms for OFDM	Science and				
		Technology				
21.	Steganography based image	Journal of	2016	19	67-80	SCIE
	sharing with	Discrete				
	reversibility", Taylor & Francis	Mathematical				
	publication, vol.19, no.1,	Sciences and				
	2016, pp.67-80.	Cryptography,				
22.	Identification of cheaters in	Journal of	2016	37	271-	SCOPUS
	elections using	Information			280	
	steganography	and				
	3 3 1 3	Optimization				
		Sciences				
23.	An eigen-select denoising	International	2015			SCI
	threshold for channel	Journal of				
	estimation in OFDM systems	Communication				
	-	Systems				
24.	A pilot aided channel estimator	Journal AEU -	2015	69	321-	SCI
	using DFT based time	International			327	
	interpolator for massive MIMO-	Journal of				
	OFDM systems	Electronics and				
		Communication				
25.	The performance of a hybrid	" Journal of	2014	40	1255-	SCI
	routing intelligent algorithm in	Computer and			1264	
	Mobile Adhoc Network	Electrical				
		Engineering				
26.	On the comparison of various	International	2014	60	173-	SCI
	overhead arrangements for	Journal of			179	
	massive MIMO-OFDM channel	Electronics and				
	estimation	Telecommunica				
		tions,				
27.	Optimization Algorithms based	International	2022	13	237-	SCOPUS
	compensation of mismatches in	journal of			244	
	Time interleaved Analog to Digital Converters-A Review	electrical and				
	Digital converters-A Review	computer engineering				
		systems				
28.	Fuzzy based scheduling and	Journal of	2020	7		
	load balancing for zone	Critical				
	routing protocol (ZRP) in	Reviews				
	mobile adhoc networks	Roviows				
29.	"Advanced and Distributed	Journal of	2018	10		SCOPUS
	Relative Segment and	Advanced	_0.0			
	Opportunistic Routing for	Research in				
	Congestion Control and	Dynamical &				
	Traffic Management in	Control				
	manic ivianayement in	CONTROL				

	MANET"," Vol.10, special	Systems			
	issue , 2018				
30.	Extensive survey of Hybrid	International	2018	5	SCOPUS
	Routing Protocols in MANET	Journal of			
		Engineering			
		Research in			
		Computer			
		Science and			
		Engineering			

Bookspublished

S. No.	Title of the book	Publisher	year
1	Wireless and Mobile Adhoc Networks	Iterative International	2023
	ISBN: 978-93-5747-037-7,	Publishers, Karnataka	
2	Electronic Devices and Circuits	Mahi Publications	2022
3	Medical Image Fusion using UDWT, Fuzzy Sets and Optimization Techniques", ISBN 978-620-0-22682-2	LAP LAMBERT Academic Publishing	2019
4	A Monograph on Digital Image Watermarking	LAP LAMBERT	2012
	ISBN:10: 3659106666,ISBN-13: 978-3659106668	Academic Publishing	

Book chaptersPublished

S.No.	Title of the Chapter	Book title	Publisher	year
1.	Virus Texture Classification	Proceedings in	Springer	2022
	using Genetic Algorithm and	Mathematics &		
	Pre-trained Convolutional	Statistics, March		
	Neural Networks	2022		
2.	Forest Fire Detection from	Wings for	Springer Cham	2023
	UAV Images Using Fusion of	Sustainablility		
	Pre-trained Mobile CNN	Lecture Notes in		
	Features", Springer Cham	Civil Engineering		
3.	Estimation of sampling time	Advances in	Springer Nature	2019
	offsets in an N-channel time-	Intelligent		
	interleaved ADC network using	Systems and		
	differential evolution	Computing		
	algorithm and correction using			
	fractional delay filters",.			
4.	Multimodal Medical Image	Computational	Springer	2019
	Fusion Based on Fuzzy sets	Intelligence		
	with Orthogonal Teaching- Learning Based Optimization	Theory		
	Learning based Optimization			

		Applications and		
		Future Directions		
		–Vol II		
5.	Multiclass Colorectal Texture	Soft Computing	Springer,	2021
	Classification Using Ensemble	for Problem	Singapore	
	of Pre-trained Networks.	Solving. Advances		
		in Intelligent		
		Systems and		
		Computing,		

Details ofPatents(Filed&Granted)

S.	Applications number	Title of the patent	Date of	Published/granted
No.			filing/publishing	
1	R20234030934	A Novel Technique	04/08/2023	Published
		for Mitigation of		
		Interference in		
		Massive MU-MIMO		
		system		

Details of Conferences/FDPs/STTPs/webinars/WorkshopsOrganized

S.No.	Name of the event	Role	Dates
1			

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1.	B.Chandra Mohan, "Microstructure Classification of Ultra High Carbon Steel Using Deep Learning Approach", Processing and Fabrication of Advanced Materials, PFAM 2023, Indian Institute of Technology, Tirupathi, (IIT Tirupathi), 06-08, September 2023.	IIT Tirupathi	2023
2.	B.Chandra Mohan, "Ear Drum Disease Classification using Convolutional Neural Networks and Aquila Optimizer", ICCCNT2023, Indian Institute of Delhi, (IIT Delhi), July 6-8, 2023,	IIT Delhi	2023
3.	B.Chandra Mohan, "Orthogonal Moments for Malware Classification", NSMA 2022, Dec 22, 2022, IIT	IIT Chennai	2022

	Chennai		
4.	Virus texture classification using genetic algorithm and pre-trained convolution neural networks", authored by "Dr B.Chandra Mohan presented in session in ICMLBDA-2022 organized by IIT PATNA. March 29-30, 2022.	IIT Patna	2022
5.	"B.Chandra Mohan, A deep learning approach for waste object classification using transfer learning and meta heuristic algorithm ", authored by "Dr B.Chandra Mohan presented in session in ICESE-2022 organized by IIT Bombay. January 20-22, 2022.	IIT Bombay	2022
6.	B.Chandra Mohan, Infrared Solar Module Defect Classification using Convolution neural Networks and SMOTE Ensembles, ICFME, Dec 16-18,2022,	IIT Indore	2022
7.	B.Chandra Mohan, "Forest Fire Detection from UAVImages using Fusion of Pre-trained Mobile CNN Features" 2 nd international conference on Unmanned Aerial Systemin Geomatics", April2-4, 2021,	IIT Roorkee	2021
8.	B.Chandra Mohan, Parkinson Disease Detection from spirals and wave drawings using sequential model Selection, ICNAAO, 2021, Dec21-23, IIT BHU	IIT BHU	2021
9.	B.Chandra Mohan, "Osteosarcoma classification using Multilevel Feature Fusion and Ensembles, INDICON 2021, Dec 19-21, 2021 IIT Guwahati	IIT Guwahati	2021
10.	B.Chandra Mohan, "Colorectal Texture Classification using Ensemble of Pretrained Networks", DECEMBER 18-20, 2020, IIT INDORE	IIT Indore	2020
11.	B.Chandra Mohan, K.Ramanjaneyulu, " Childhood Medulloblastoma Classification using EfficientNets", IBSSC-2020, IIT Bombay IEEEBombaySignature Conference,	IIT Bombay	2020

	December 4-6, 2020		
12.	B.Chandra Mohan, "An Ensemble Approach to Emphysema Classification", International Conference on Industrial and Information System (ICIIS-2020), November 26-28, 2020	IIT Ropar	2020
13.	B.Chandra Mohan, "Three Class classification of digital Mammograms usingChebyshev Moments and Convolutional Neural Network" 5 th IEEE International Conference on Computing, Communication and Security (ICCCS-2020), October 14-16, 2020	IIT Patna	2020
14.	B.Chandra Mohan, T.Krishna Chaitanya, T.Tirupal, "A Comparison of CNN vs Image Moment Feature based classification applied to MPEG- 7 dataset", CMA 2019, 12-14, November, 2019, IIT Indore	IIT Indore	2019
15.	B.Chandra Mohan, T.Krishna Chaitanya, T.Tirupal, "Fast and accurate Content Based Image Classification and Retrieval using Gaussian Hermite Moments applied to COIL 20 and COIL 100", ICCCNT 2019, July 06-08, 2019, IIT Kanpur.	IIT Kanpur	2019
16.	T.Krishna Chaitanya, B.Chandra Mohan, S.Srinivas Kumar, "CNN vs Directed Acyclic Graph CNN for three class classification of MIAS dataset", INCAM 2019, July 03-05,2019, IISc Bangalore	IISc Bangalore	2019
17.	T.Tirupal, B.Chandra Mohan, S.Srinivas Kumar, "Type-2 Fuzzy set based Multimodal Medical Image Fusion", INCAM 2019, July 03- 05,2019, IISc Bangalore	IISc Bangalore	2019
18.	G.Pratibha,B.Chandra Mohan, "Mammograms classification using Multiresolution Transforms and Convolution Neural Networks" The	IISc Bangalore	2018

	ninth International Conference on		
	Computing, Communication and		
	Networking Technologies, July 10-12,		
	2018, IISc Bangalore		
19	T.Krishna Chaitanya, B.Chandra	IISc Bangalore	2018
	Mohan, "The Analysis of Digital	noo bangalore	2010
	Mammograms using HOG and GLCM		
	Features" The ninth International		
	Conference on Computing,		
	Communication and Networking		
	Technologies, July 10-12, 2018, IISc		
20	Bangalore G.Pratibha, B.Chandra Mohan,	IIT Indose	2010
20.	, ,	IIT Indore	2018
	"Mammogram classification using		
	wavelet based transforms and		
	convolutional neural networks",		
	emerging areas in Bio Sciences and		
	Biomedical technologies, eBBT		
	symposium, 05/01/2018 to		
	06/01/2018, IIT Indore		2017
21.	T.Tirupal, B.Chandra Mohan,	IIT Kanpur	2017
	S.Srinivas Kumar, " "Multimodal		
	medical image fusion based on Fuzzy		
	sets with Orthogonal Teaching		
	Learning Based Optimization"		
	International conference on		
	Computational Intelligence ICCI2017,		
	IIT Kanpur, December 6-7, 2017		
22.	M.V.N.Chakravarthy, B.Chandra	IIT Roorkee	2017
	Mohan, "Detection and correction of		
	sampling time errors in N channel		
	time interleaved ADC using genetic		
	algorithm", IEEE INDICON 2017,		
	December 15-17, IIT Roorkee.		
23.	M.V.N.Chakravarthy, B.Chandra	IIT Indore	2017
	Mohan, "Estimation of sampling time		
	offsets in an N-channel time		
	interleaved ADC network using		
	differential evolution algorithm and		
	correction using fractional delay		
	filters", International Conference on		
	Machine Intelligence and Signal		
	Processing 2017, MISP 2017,		

	December 22-24, 2017,IIT Indore		
24.	T.Tirupal, B.Chandra Mohan,	IIT Chennai	2016
	S.Srinivas Kumar, "A fusion method		
	for multimodal medical images based		
	on fuzzy sets with teaching learning		
	based optimization," International		
	Conference on Advances in Scientific		
	Computing, IITMADRAS, Chennai,		
	India, 28-30 November, 2016.		
25.	T.Tirupal, B.Chandra Mohan,	IIT Delhi	2016
	S.Srinivas Kumar, "Multimodal		
	medical image fusion using Sugeno's		
	Intuitionistic Fuzzy sets" Internal		
	Conference on Biomaterials, Bio		
	diagnostics, Tissue Engineering, Drug		
	delivery, and Regenerative Medicine,		
	Bi Term 2016, IIT Delhi, New Delhi,		
	15-17 April, 2016		
26.		IISc Bangalore	2016
	Dual frequency vertex fed pentagonal		
	slot on rectangular patch for WLAN/WiMax Applications", INDICON		
	2016, IEEE International Conference, IISc		
	Bangalore, December 2016		
	3 rd BEST PAPER AWARD		
27.	S.Pallavi Ram, C.Narendra Babu,	IISc Bangalore	2016
	B.Chandra Mohan, "Applicability of		
	Big Data Analytics to massive MIMO		
	systems" IEEE INDICON 2016,		
	December 2016		
28.	P.Surendra Kumar, B.Chandra Mohan,	IIT Roorkee	2016
	" Dual band Microstrip patch antenna		
	10esign with inverted E slot and U		
	slot" IEEE International Conference on		
	Industrial Information Systems, ICIIS		
	organized by IIT Roorkee, December,		
	2016		
l l	B Lakshmi Sirisha, S Srinivas Kumar, and B Chandra Mohan, "Steganography based	IIT Roorkee	2015
l l	information security with high embedding		
	capacity" National conference on Recent		
	Advances in Electronics & Computer		
	Engineering (RAECE), IIT Roorkee, IEEE Publication, 2015, pp.17-21.		
	ι αδιισατίστι, 2013, μμ.17-21.		
30.	T.Tirupal, B.Chandra Mohan,	IIT Kanpur	2015
30.	T.Tirupal, B.Chandra Mohan,	IIT Kanpur	2015

	S.Srinivas Kumar, "Multifocus medical		
	image fusion based on fractional		
	lower order moments and modified		
	spatial frequency," International		
	Conference on Advances in		
	Biotechnology, BIOTECH-2015,		
	IITKANPUR, India, ISSN: 2251-2489,		
	13-15 March 2015, pp.145-154.		
31.	T.Tirupal, B.Chandra Mohan,	IIT Mumbai	2015
	S.Srinivas Kumar, "Multimodal		
	Medical Image Fusion based on à		
	trous Wavelet Decomposition and		
	Contrast Visibility," 3 rd International		
	Conference on Nanotechnology for		
	Biological and Biomedical		
	Applications, Nano-Bio-Med 2015,		
	IITBOMBAY, Mumbai, India, 1-4		
	December, 2015.		
32.	·	IIT Roorkee	2015
	S.Srinivas Kumar, "Image fusion of	III ROOFREE	2010
	natural, satellite, and medical images		
	using undecimated discrete wavelet		
	transform and contrast visibility,"		
	National Conference on Recent		
	Advances in Electronics & Computer		
	Engineering, RAECE-2015, IIT		
	o o		
	ROORKEE, India, 13-15 February		
	2015. Published in IEEE-Xplore		
	conference proceedings (RAECE-		
	2015),		
	oi:10.1109/RACE.2015.7510217		22.5
33.	, ,	IIT Kanpur	2015
	cancer analysis using diffusion		
	wavelet, Proceedings of the 5 th		
	annual international conference on		
	advances in BioTechnology, IIT		
	Kanpur, 13-15 th March, 2015		
34.	G.Pratibha, B.Chandra Mohan,	IIT Roorkee	2015
	Automatic Breast Cancer analysis		
	using Bandlet transform, Proceedings		
	of National conference on Recent		
	Advances in Electronics and		
	Computer Engineering, (RAECE) at IIT		
34.	Kanpur, 13-15 th March, 2015 G.Pratibha, B.Chandra Mohan, Automatic Breast Cancer analysis using Bandlet transform, Proceedings of National conference on Recent Advances in Electronics and	IIT Roorkee	2015

	Roorkee held on 13 to 15 th February,		
35.	P.Surendra Kumar, B.Chandra Mohan, " A compact design of two element MIMO antenna with improved bandwidth and isolation " International Conference on Microwave, Optical,and Communication Engineering, ICMOCE-2015, IIT Bhubaneswar, December 2015	IIT Bhubaneswar	2015
36.	P.Surendra Kumar, B.Chandra Mohan, "Performance analysis of a rectangular microstrip antenna with circular slots", National Conference on Recent advances in Electronics and Computer Engineering, RAECE-2015, IIT Roorkee	IIT Roorkee	2015
37.	T.Tirupal, B.Chandra Mohan, S.Srinivas Kumar, "On the use of undecimated discrete wavelet transform for medical image fusion," National Conference on Present Scenario and Future Trends in Biomedical Engineering and Healthcare Technologies, FTBH-2014, IIT BHU, Varanasi, 17-18 October 2014, pp. 5-6.	IIT BHU	2014
38.	G.Pratibha, B.Chandra Mohan, Automatic Breast cancer analysis using Bandlet optimized GA-SVM, Proceeding of the National Conference on Future Trends in Biomedical Engineering and Health Care Systems at IIT BHU Varanasi on 17-18 th October, 2014	IIT BHU	2014
39.	P.V.L.Suvarchala, S.S.Kumar,B.Chandra Mohan, "Iris Recognition under Non-Ideal Imaging Conditions and CCD Noise" Pattern Recognition and Machine Intelligence, PREMI 2013, Indian Statistical Institute, Kolkata, December 10-14,	ISI Kolkata	2013

	2013		
40.	P.Suvarchala, S.Srinivas Kumar, B.Chandra Mohan, "Effective Iris Recognition with S-Transform" International Conference on Biomedical Signals, Systems and Images, BSSI 2012 conducted by IIT Chennai, 2012.	IIT Chennai	2012
41.	P.Suvarchala, S.Srinivas Kumar, B.Chandra Mohan, "Effective Iris Recognition with S-Transform" International Conference on Biomedical Signals, Systems and Images, BSSI 2012 conducted by IIT Chennai, 2012.	IIT Chennai	2012
42.	S.Pallavi Ram, B.Chandra Mohan, "On the performance of Linear and Decision Feedback Equalizers in IIR and reverberation environments" Centenary Conference 2011, Electrical Engineering, Indian Institute of Science, (IISc)15-17 December 2011.	IISc Bangalore	2011

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding	Year
		body/Society/Organization	
1.	Best paper award for the	was selected as best paper in the	2011
	paper titled " A Comparative	International Conference on VLSI,	
	Performance Evaluation of	Communication and	
	SVD and Schur Decompositions	Instrumentation (ICVCI 2011)	
	for Image Watermarking		
2.	Best paper for the title on	NCSSS-2006 during Feb 24-25,	2006
	Multiple Watermarking	2006 , Satyamangalm, Tamilnadu.	
	scheme using PSK with		
	Amplitude boosting and low		
	frequency block selection		
3.	Best 3 rd paper for Dual	2016, IEEE International	2016
	frequency vertex fed	Conference, INDICON,	
	pentagonal slot on rectangular	IISc Bangalore	
	patch for WLAN/WiMax		

	Application		
4.	Best paper award for the paper "A compact hexaband and UWB antenna using heptagon and nanogon rings with vertex feed"	INCAP 2018 conference conducted at Hyderabad., December 16-19, 2018.	2018

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/	Amount	Year/
			Sanctioned/		duration
			Completed		
1	MODROBS	AICTE	COMPLETED	7.12 lakhs	2012-13
	Advanced				
	Communication				
	Laboratory with Fiber				
	Optic Modules				

Consultancy contribution

S.No.	Year	Amount	Details
1			

Student Project/research guidance

S.No	Level	Tota	l num	ber
1	UG	Completed:	22	Ongoing:1
2	PG	Completed:	6	Ongoing:0
3	PhD	Completed:	8	Ongoing: 2

Administrative experience

S.No.	Role	Duration (From – to)
1	HEAD OF THE DEPT, ECE	2005-2019

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?user=5CBk6EUAAAAJ
	<u>&hl=en</u>
SCOPUS	https://www.scopus.com/authid/detail.uri?authorld=5564
	<u>7165896</u>

Web of Science	
Vidwan ID	
Coordinator for the Lab Migra Institute of Technology, Boml	ation project of Digital Image Processing using Scilab by Indian bay (IIT Mumbai)
	B.Chandra Mohan
	20/09/2023