Department of Information Technology

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE

(Autonomous, Accredited by NAAC – A Grade)
VIJAYAWADA

ONE WEEK FACULTY DEVELOPMENT PROGRAM
on

HIGH QUALITY MEDICAL DIAGNOSIS USING DATASCIENCE FOR SOCIETAL BENEFITS

21st – 25th September, 2020
3.00 pm -6.10 pm

under AICTE Margadarsan

Chief Advisor
Dr.A.V.Ratna Prasad
Principal, VRSEC

Convener
Dr.SuneethaManne
Prof & Head,
Dept. of IT, VRSEC

Chief Coordinator
Dr. D. Rajeswara Rao
Professor & Head
Dept. of CSE,VRSEC

Programme Coordinators
Dr.T.Anuradha, Professor
Mr.Ch.Pavan Kumar, Asst.Prof.
Dept. of IT, VRSEC

PROGRAMME SCHEDULE

21.9.2020	*Data science(DS) Life cycle, Characteristics of Health care data, Research gaps in DS for Health care data*
22.9.2020	*Complete step-by-step Data Science process for diabetes prediction using Python Libraries*
23.9.2020	*Computer aided detection(and diagnosis (CAD) in medical imaging*
24.9.2020	Computer Aided Analysis of Medical Images (Research case study on breast cancer detection).
25.9.2020	*3-D Optimized Classification and Characterization Artificial Intelligence Paradigm for Cardiovascular/Stroke Risk Stratification using Carotid Ultrasound-based Delineated Plaque*

RESOURCE PERSONS

Ms. Gayathri Nagarajan Data Science Mentor & Scientist, Springboard, Germany.	***Dr. Nilanjan Dey*** *Asst. Professor, Techno International, New Town.* *Visiting Fellow, Department of Biomedical Engineering, University of Reading, UK.* *EiC of IJACI, IGI Global & STNIC Series, Springer Nature.*
Dr. Vikrant Bhateja Associate Professor & Dean, SRMGPC, Lucknow. EiC for IJNCR,IGI Global.	***Dr. Suneet Gupta*** Professor, Department of Computer Science, Benett university, Noida .

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INWARD NO: 180
DATE: 31/8/20

PROPOSAL FOR ORGANISING WORKSHOP/CONFERENCE/SEMINAR/SYMPOSIUM

Date: 27-08-2020

S No	Details of the Event		
1	Name of the Department		INFORMATION TECHNOLOGY
2	Name (s) of the Event Coordinator		Dr. T Anuradha, Professor, Dept of IT. Mr. Pavan Chitturi, Assistant Professor, Dept of IT.
3	Details of the Conference/Seminar/ Training/ Workshop/ Symposium/Webinar	Title	High Quality Medical Diagnosis using Data Science for Societal Benefits
		Venue	Online
		Duration	Five Days
		Date(s)	21-09-2020, 22-09-2020, 23-09-2020, 24-09-2020, 25-09-2020,
4	Is the Conference/seminar / Training/ Workshop/ Symposium is organized in association with other Organizations/ institute. **Yes/No** If **Yes** give details:		Under AICTE MARGDHARSHAN
5	Objectives/Expected Outcome		• To expose the participants with the concepts of Data Science. • To demonstrate & apply skills about Data Science and how to apply Data Science in the solving real world problems in medical diagnosis. • To explore research aspects in Medical Domain and get expertise in developing real time case studies
6	Target Audience		Faculty (internal and external), Industry persons & Research Scholars
7	Give details of Experts (if necessary, attach additional paper)		1. Ms. Gayathri Nagarajan Data Science Mentor, Springboard & Freelance Data Scientist, Germany. 2. Dr. Nilanjan Dey Asst. Professor, Techno International New Town, India. Visiting Fellow, Department of Biomedical Engineering, University of Reading, UK, EiC of IJACI, IGI Global & STNIC Series, Springer Nature. 3. Dr. Vikrant Bhateja Associate Professor and Head for Quality Control, SRMGPC, Lucknow. EiC for IJNCR, IGI Global 4. Dr. Suneet Gupta Professor, Benett university, Noida.

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8	Total Cost involved Rs. 25,000/- (Rupees in words)	Rs 25,000/- (Twenty-five Thousand Rupees)
9	Whether any advance will be required YES / NO If YES, Rs…	Rs 25,000/- (Twenty-five Thousand Rupees)
10	Name of the Faculty on whom the advance is booked	Dr. T Anuradha
11	Is the above mentioned programme covered in departmental TNA? Yes/ No;	No
12	If No, then the H.O.D has to forward a note for inclusion of the programme to the Head of the Institute	Faculty can develop required skills and deep knowledge about Data Science in Medical Domain and implement real time case studies.
13	Foreword Note by HOD: Teaching strategies are the culmination of the educational process, which allows us to achieve the objectives and makes the student acquire the skills and abilities needed. Participating in pedagogical training not only helps teachers understand the teaching–learning process, which is crucial for planning and teaching courses, but also strengthens teachers' self-efficacy beliefs	

Budgetary Provision Checked	Recommended	Recommended
[Signature of the Event Coordinator]	[Signature (with seal) of the Head of the Department]	[Signature (with seal) of the Principal/ Officer-In-Charge]

DEPARTME NT OF INFORMATION TECHNOLOGY
VELAGAPUDI RAMAKRISHNA SIDDHARTHA
ENGINEERING COLLEGE

ONE Week Faculty Development Program on

HIGH QUALITY MEDICAL DIAGNOSIS USING DATASCIENCE FOR SOCIETAL BENEFITS

21st – 25th September, 2020

under AICTE Margadarsan

Department of Information Technology, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada conducted a One Week Faculty Development Program on **"High Quality Medical Diagnosis using Data Science for Societal Benefits"** from 21st to 25th September, 2020. The Faculty development Program focus on Data science(DS) Life cycle, Characteristics of Health care data, Research gaps in DS for Health care data and automated medical diagnosis using Structured and Unstructured data. The programme enable the participants to do quality project/research works in the domain of medical data analysis. The FDP intends to cover major applications and issues of Diabetes prediction, Breast Cancer Prediction, Cardiovascular/Stroke Risk Stratification, Computer aided detection(and diagnosis (CAD) using different kinds of medical imaging. It includes demonstration of structured medical data analysis using python, feature selection from medical images, segmentation of medical images, training the predictive models using machine learning and deep learning techniques, optimization techniques used.

Objectives of the FDP:

- To expose the participants with the concepts of Data Science
- To demonstrate and apply skills about Data Science and how to apply DS in solving real world problems in medical diagnosis.
- To introduce the participants to the high-quality medical diagnosis with structured data

Outcomes of FDP:

- Exposure to different research issues to be addressed for medical diagnosis
- Academic and research skills in medical data analysis
- Open ended problems in medical image processing
- Knowledge on different medical data sets

FDP REPORT DAY 1

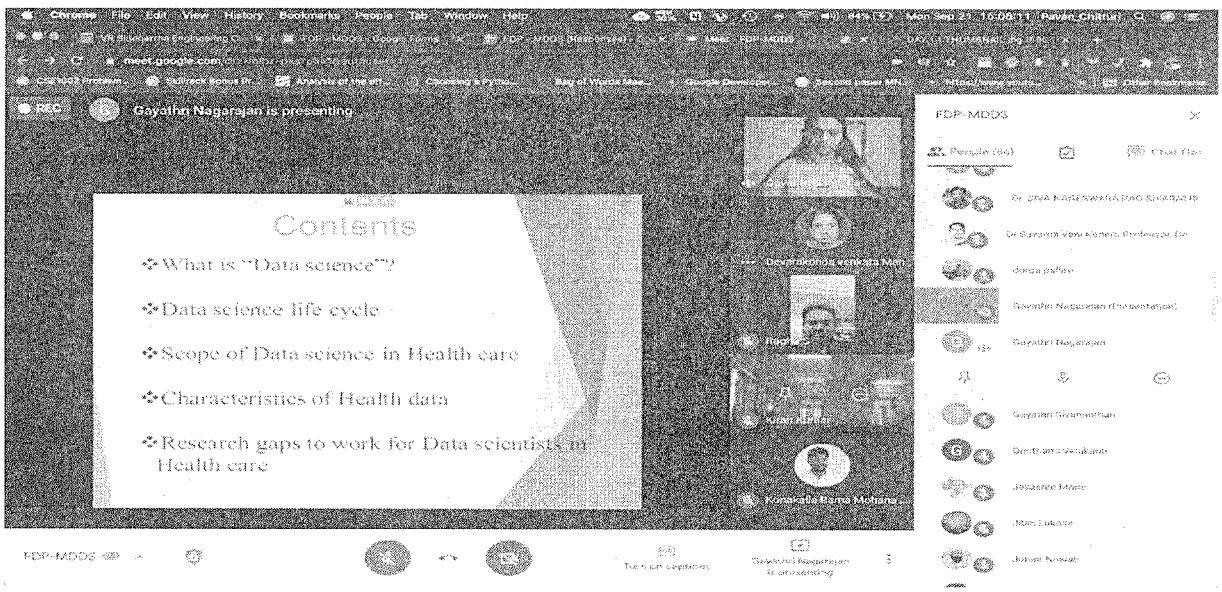
DATE: 21/09/2020

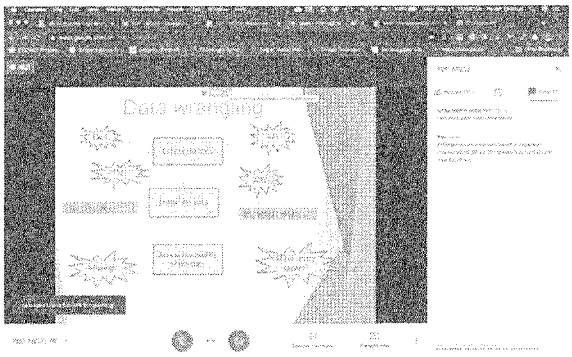
Day 1 Topic: **Data science(DS) Life cycle, Characteristics of Health care data, Research gaps in DS for Health care data**

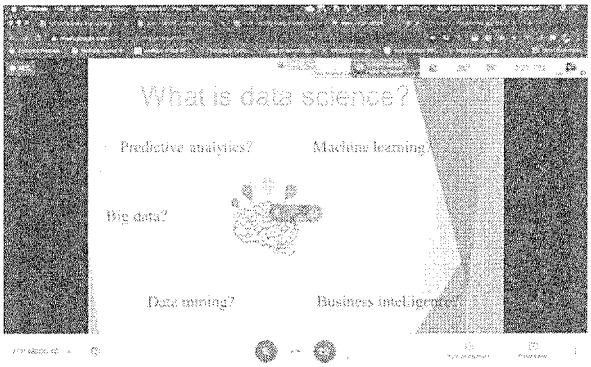
Resource Person: Ms. Gayathri Nagarajan, Data Science Mentor & Scientist, Springboard, Germany.

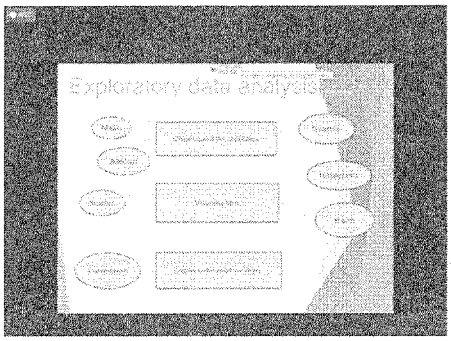
Dr. T.Anuradha, Professor has commenced the session by welcoming the resource person and the participants followed by Resource person's introduction by Mr.Ch. Pavan Kumar, Assistant Professor. Resource person for day1 of FDP Ms.Gayathri Nagarajan started her lecture with the introduction of data science like what is predictive analytics, Machine learning, Big data, Data mining and Business intelligence. In the first session she discussed on Data science life cycle. She also discussed about the Gap between academia and industry in Data science. Then she explained the skills required to do research in data science and how to formulate a research problem in data science and scope of data science across various domains. Later she explained about need for Exploratory data analysis, need for preprocessing, data wrangling and modeling.

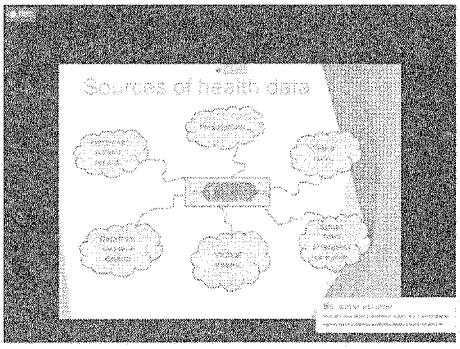
In the second session, Ms. Gayathri has elaborately discussed about how to apply data science on medical data starting from preprocessing to model building and evaluation. She discussed research gaps in data science related to Medical diagnosis At the end of the session she answered the queries posed by participants related to their research.

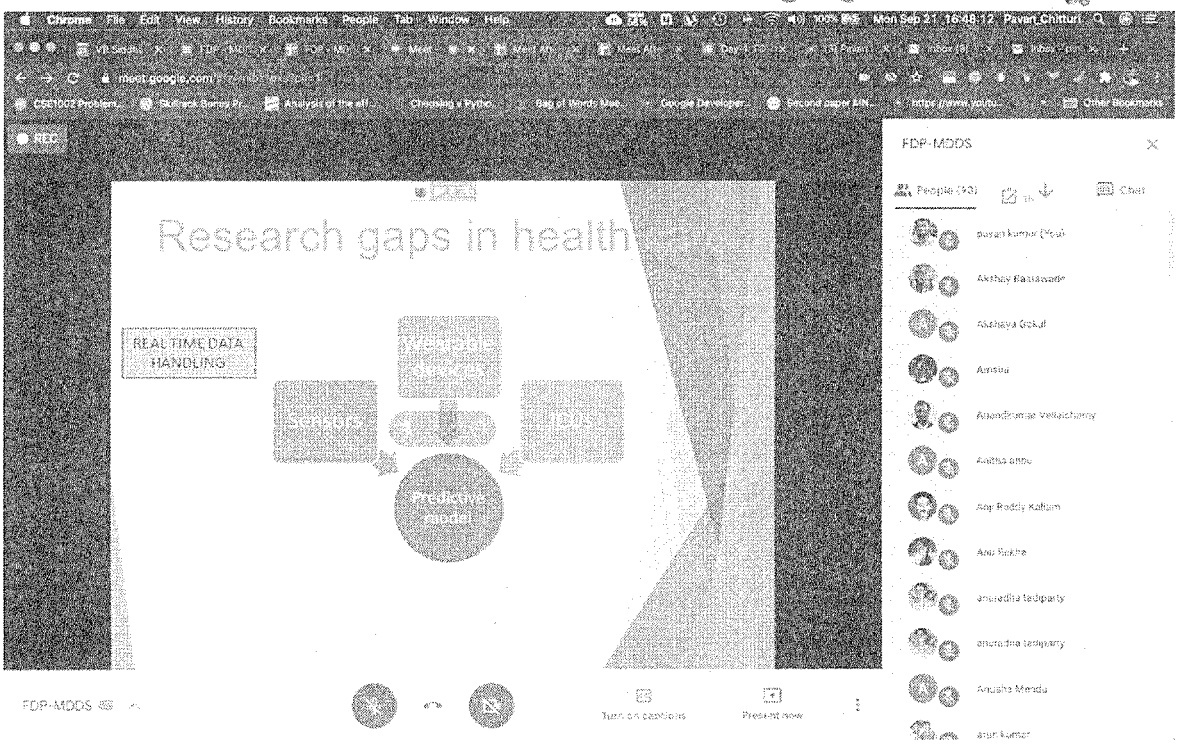



Data wrangling


What is data science?
Predictive analytics?
Machine learning
Big data?
Data mining?
Business intelligence?


Exploratory data analysis


Sources of health data

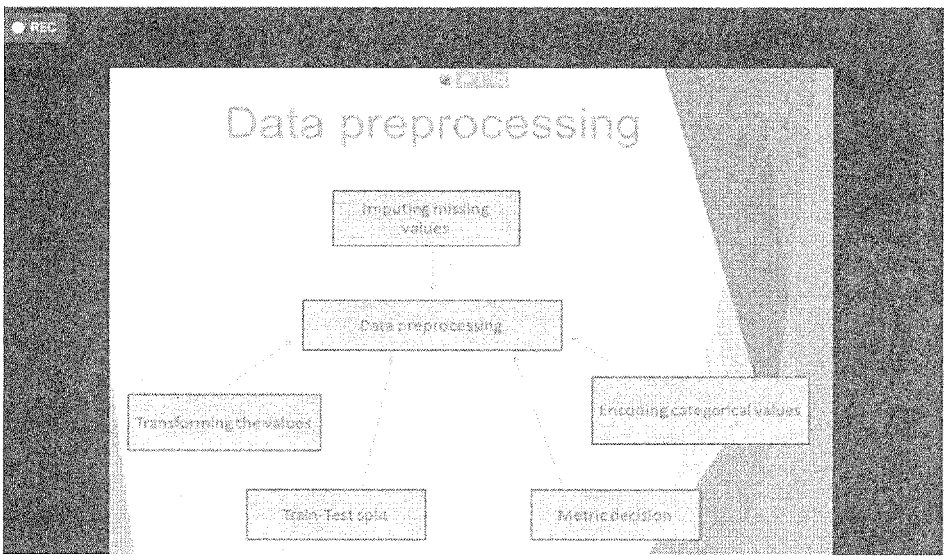

Research gaps in health
REAL TIME DATA HANDLING
Predictive model
FDP-MDDS
People (93)
Chat
Present now

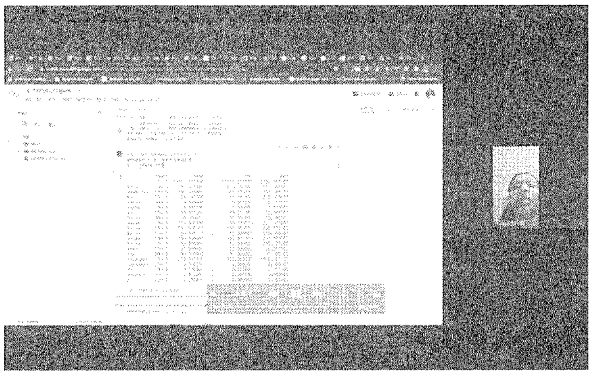
FDP REPORT DAY 2

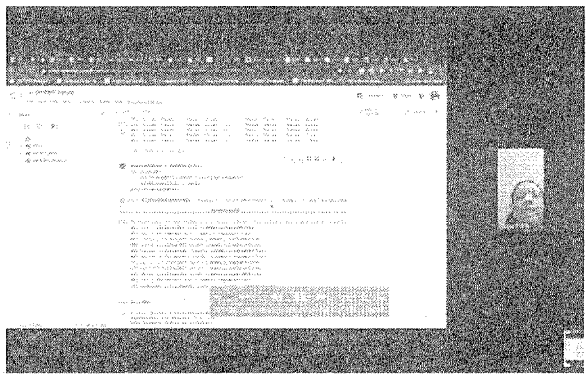
DATE: 22/09/2020

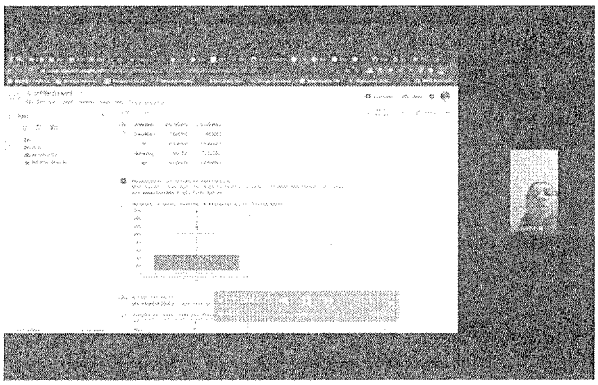
Day 2 Topic:Complete step-by-step Data Science process for diabetes prediction using Python Libraries
Resource Person: Ms. Gayathri Nagarajan, Data Science Mentor & Scientist, Springboard, Germany.
On the second day of fdp, the resource person Ms. Gayathri has explained different Python libraries required for medical diagnosis using data science. She also discussed about Tensorflow and keras open source libraries and how to use them and how to execute a machine learning algorithm in Google Collab. She demonstrated how to do preprocessing, build model using machine learning algorithms like decision tree, SVM. How to evaluate the model and present the research results using various kinds of plots.

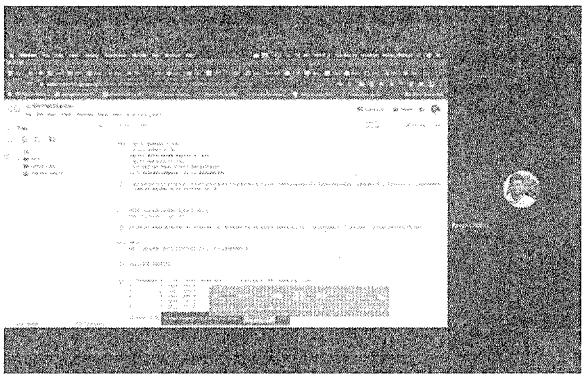
In the second session, Ms. Gayathri has demonstrated a case study of diabetic prediction by taking a structured data set. She implemented her case study in Python with Anaconda jupyter notebook. Participants asked about how to get datasets related to covid, for that she suggested to use gov. in website. All the participants were very much satisfied with the presentations given by Ms. Gayathri on day 1 and day2 and given a positive feedback.

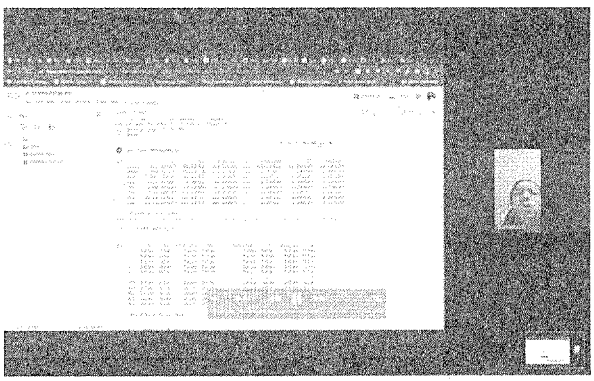


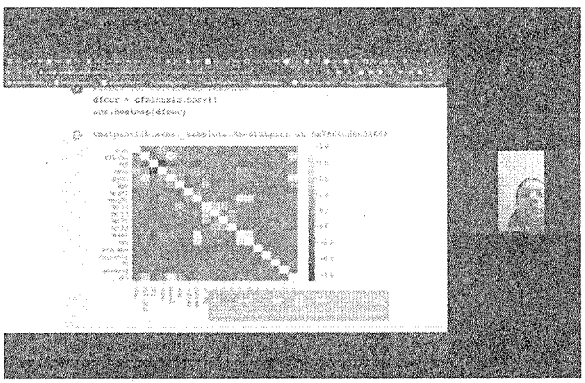












FDP REPORT DAY 3

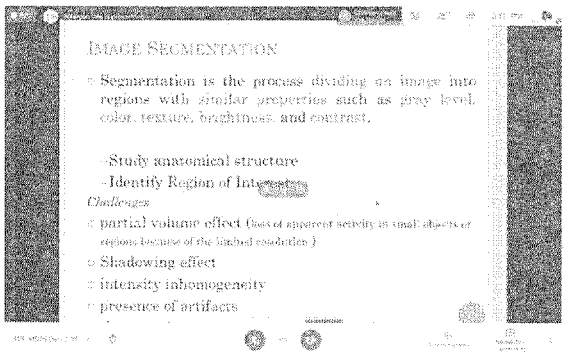
DATE: 23/09/2020

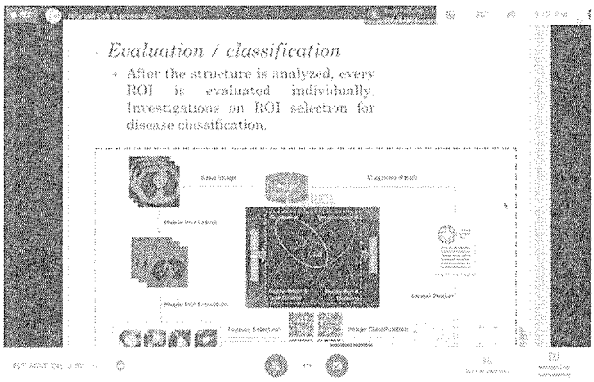
Day 3 Topic: Computer aided detection(and diagnosis (CAD) in medical imaging

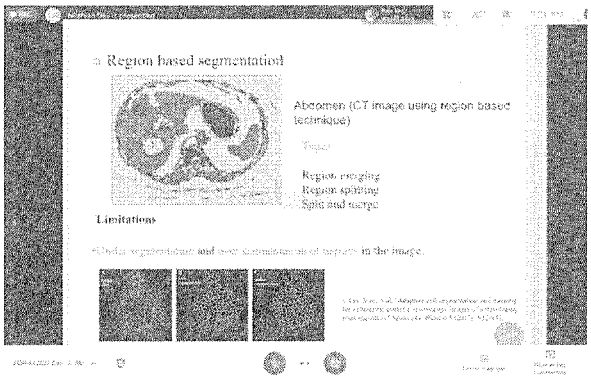
Resource Person: Dr. Nilanjan Dey
Asst. Professor, Techno International, New Town.
Visiting Fellow, Department of Biomedical Engineering, University of Reading, UK, EiC of IJACI, IGI Global & STNIC Series, Springer Nature.

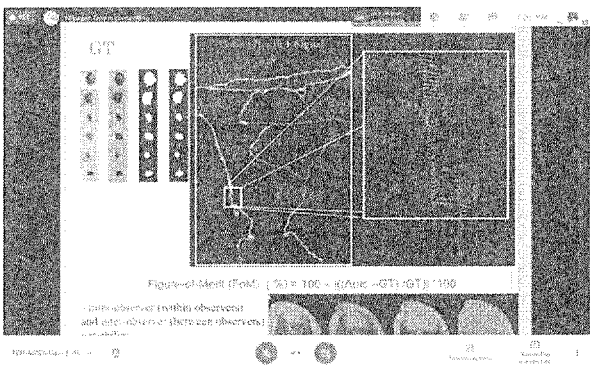
On the third day of fdp, in the first session, the resource person Dr. Nilanjan Dey started his lecture with what is Computer aided Diagnosis and how it can assist radiologists and then how it can be used for highly complex pattern recognition from medical images like X-rays, CT, MRI or Ultra Sound images . Then he discussed what the need of preprocessing in medical images is and what are the steps in preprocessing applicable especially for medical images. Then he explained how to extract the features based on color, texture and shape with the case studies of diabetic retinopathy, and breast cancer images. Then he discussed about the problems with high dimensional vectors and different types of dimensionality reduction methods that can be used for feature subset selection.

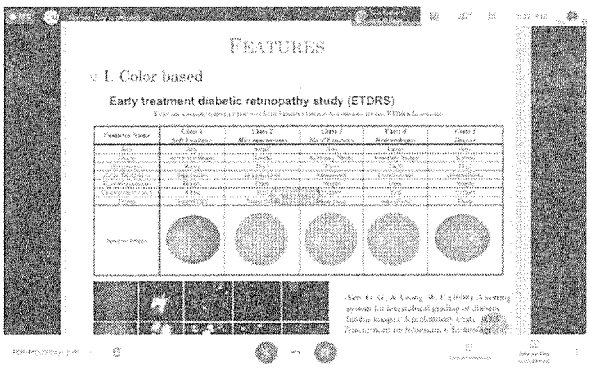
In the second session, resource person explained how to do segmentation and identify the Region of interest from the image and then discussed how to do investigations on selected ROI for disease classification. He clearly explained how to do various kinds of segmentations like Amplitude segmentation, Region based Segmentation, Semi-automated segmentation and what are the limitation in each case. At the end Dr.Nilanjan discussed how to build convolution neural networksfor medical image classification and about data augmentation. After the presentation by the resource person, participants actively interacted with him and clarified their doubts related to medical image classification and optimization techniques. All the participants were very much satisfied with the presentations given by Dr.Nilanjan and expressed it was an excellent presentation.

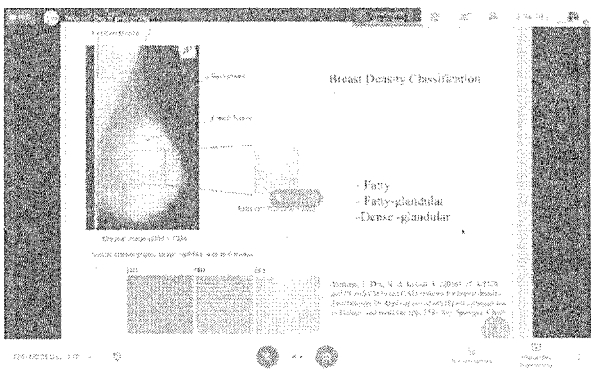



Evaluation / classification
After the structure is analyzed, every ROI is evaluated individually. Investigations on ROI selection for disease classification.


Region based segmentation
Abdomen (CT image using region based technique)
Region merging
Region splitting
Split and merge
Limitations


GT


FEATURES
I. Color based
Early treatment diabetic retinopathy study (ETDRS)


Breast Density Classification
- Fatty
- Fatty-glandular
-Dense -glandular

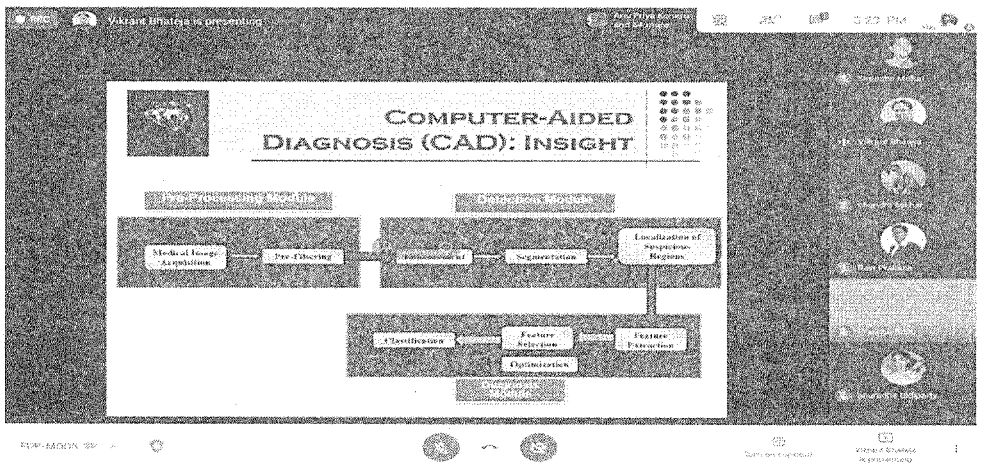
FDP REPORT DAY 4

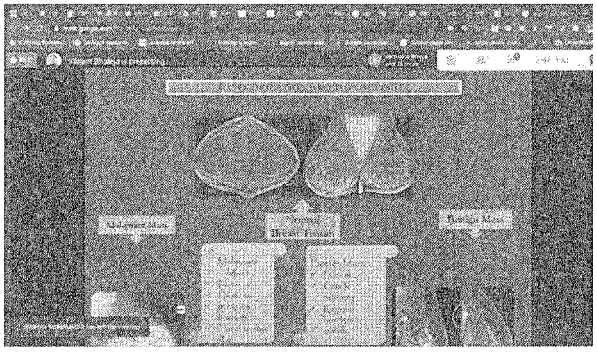
DATE: 24/09/2020

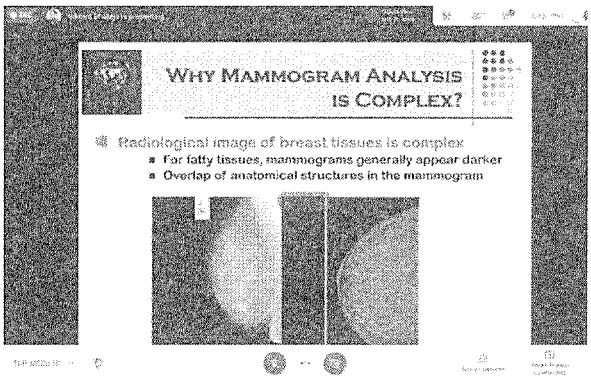
Day 4Topic: Computer Aided Analysis of Medical Images (Research case study on breast cancer detection).
Resource Person: Dr. Vikrant Bhateja
Associate Professor & Dean, SRMGPC, Lucknow. EiC for IJNCR, IGI Global.

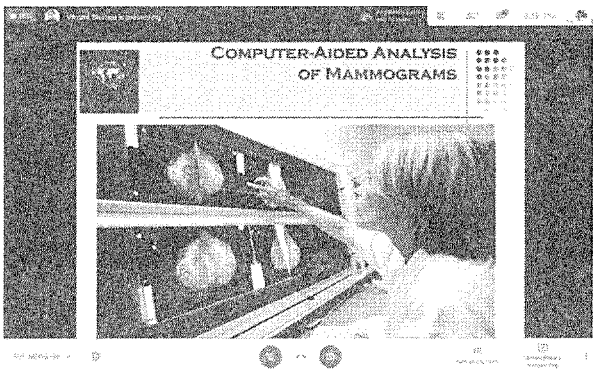
On the fourth day of FDP, the resource person Dr. Vikrant Bhateja started the first session with what are the modules in Computer aided analysis. Then Dr. Vikrant discussed about image enhancement algorithms for medical images and how these techniques effect the quality and noise in the image, what is the difference between normal image enhancement and medical image enhancement algorithms, what are the challenges in medical image enhancement and restoration.

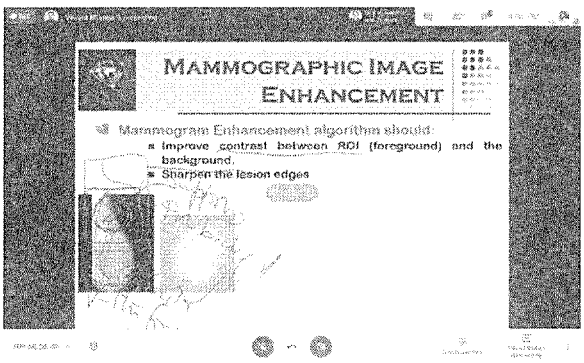
In the second session, Dr. Bhateja, the discussion on some facts about breast cancer and how difficult it is to identify it at an early age.Then he discussed what are the modules in Computer aided analysis specific to breast cancer analysis, and why the mammographic analysis is difficult, What are the categories of lesions. He has shown the common bench mark data bases for mammographic analysis and how to apply classification algorithms. He demonstrated a case study of how to classify benign and malignant Images with MIAS data base. Then Dr. Vikranth demonstrated Mammogram Enhancement using unsharp masking and finished his lecture with histogram equalization techniques. Finally, Dr. Vikranth clarified the doubts asked by different researchers in question and Answer session. All the participants felt the session is very much informative.

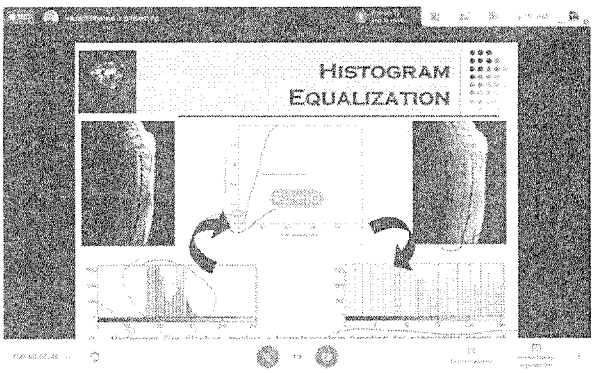


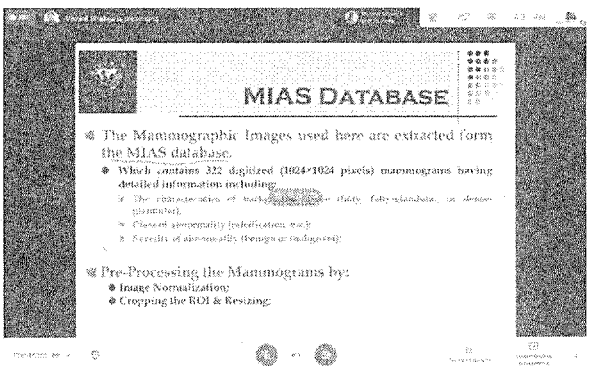



WHY MAMMOGRAM ANALYSIS IS COMPLEX?
Radiological image of breast tissues is complex
For fatty tissues, mammograms generally appear darker
Overlap of anatomical structures in the mammogram


COMPUTER-AIDED ANALYSIS OF MAMMOGRAMS


MAMMOGRAPHIC IMAGE ENHANCEMENT
Mammogram Enhancement algorithm should:
Improve contrast between ROI (foreground) and the background.
Sharpen the lesion edges


HISTOGRAM EQUALIZATION


MIAS DATABASE
The Mammographic Images used here are extracted form the MIAS database.
Which contains 322 digitized (1024×1024 pixels) mammograms having detailed information including:
Pre-Processing the Mammograms by:
Image Normalization;
Cropping the ROI & Resizing;

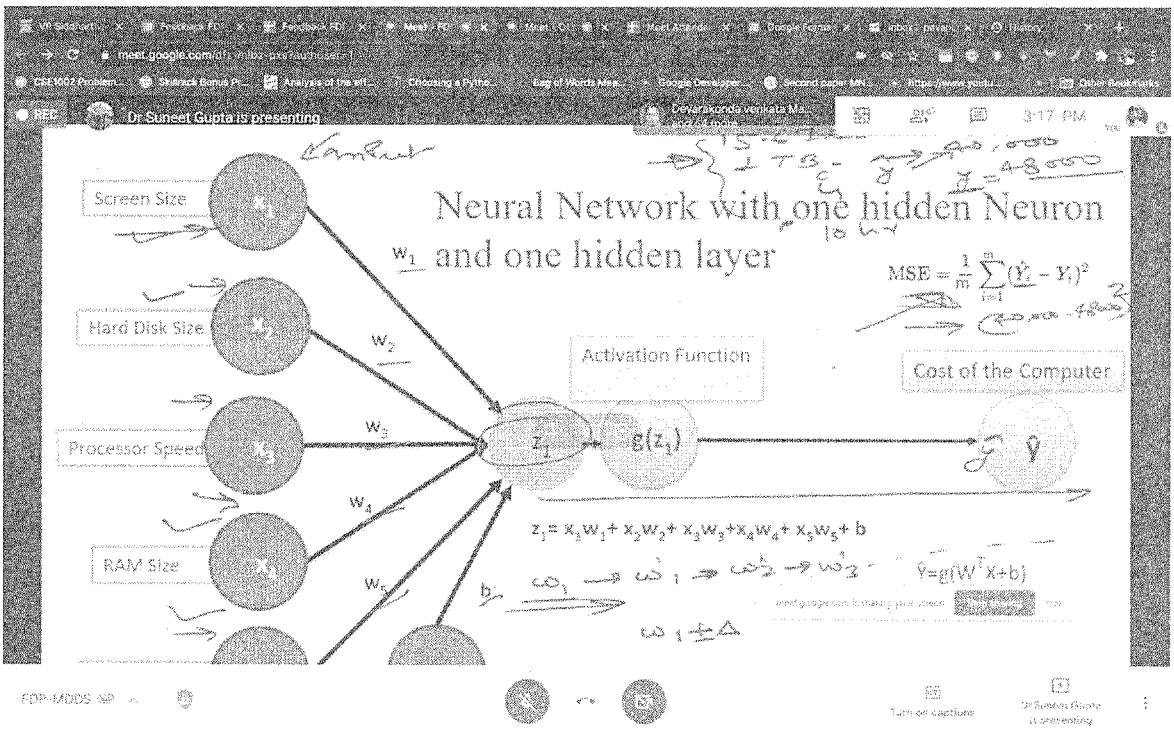
FDP REPORT DAY 5

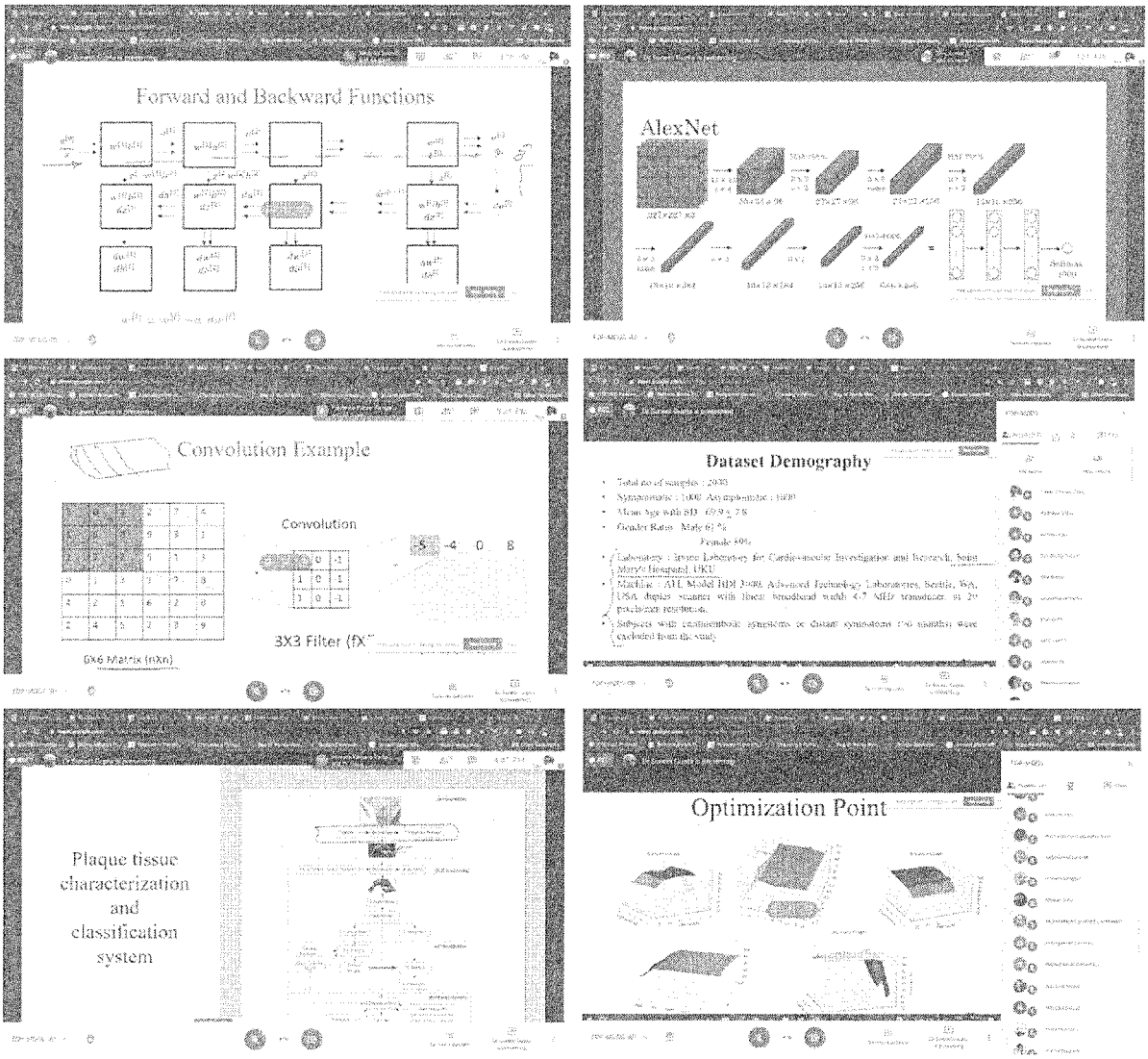
DATE: 25/09/2020

Day 5 Topic: 3-D Optimized Classification and Characterization Artificial Intelligence Paradigm for Cardiovascular/Stroke Risk Stratification using Carotid Ultrasound-based Delineated Plaque

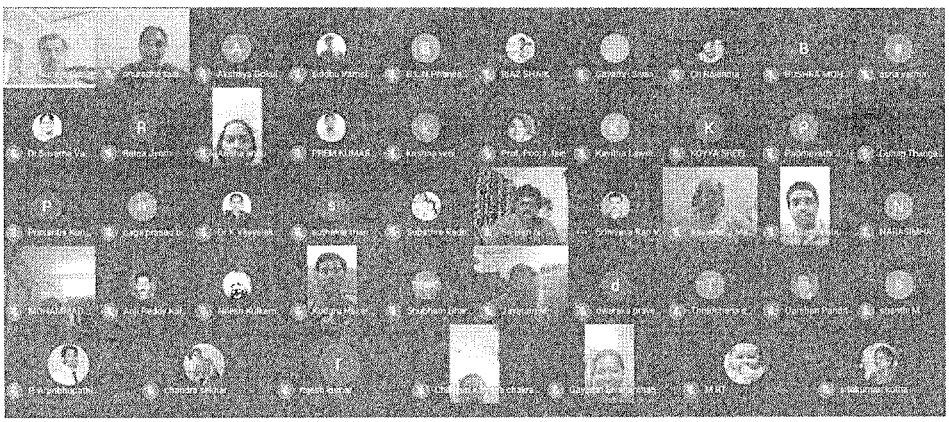
Resource Person: Dr. Suneet Gupta
Professor, Bennett university, Noida.

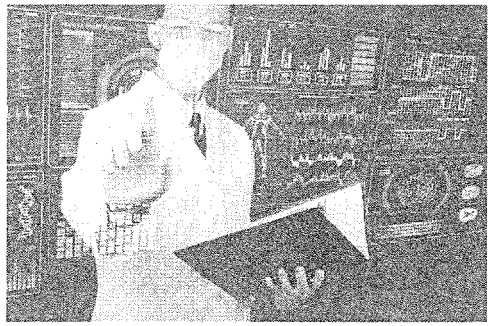
On the last day of FDP, the resource person Dr. Suneet Gupta started the first session with the discussion on artificial neural networks, convolution networks, how convolution can be understood as a mathematical function, different pre trained models. He has explained Alex net architecture and then transfer learning, how transfer learning can be used in case of small dataset for training. Dr. Suneet also talked on performance evaluation metrics and how to apply them on medical domain. He explained how to calculate accuracy, sensitivity, specificity, Kohen Kappa. In the second session, he discussed about different data augmentation techniques and about over fitting and under fitting and how to overcome and the effect of augmentation on model accuracy. Then Dr. Suneet Gupta discussed about Plaque tissue characterization and classification system. He demonstrated how accuracy changing with number of epochs, number of layers. Dr. Suneet then discussed about cross validation method. Finally Dr. Suneet demonstrated the code for Stroke Risk Stratification using Carotid Ultrasound-based Delineated Plaque using Google Colab.





At the end of the workshop we requested participants to switch on their webcams.





FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

under AICTE MARGDARSHAN
September 21 - 25, 2020.
Department of IT & IQAC
Velagapudi Ramakrishna Siddhartha Engineer ing College
www.vrsiddhartha.ac.in

Convener

Dr. M. Suneetha
Professor & Head
Dept. of IT , VRSEC.

Program Coordinators

Dr. T Anuradha
Professor,
Mr. Pavan Chitturi
Asst. Professor
Dept. of IT, VRSEC.

Chief Advisor

Dr.A.V.Ratna Prasad
Principal
VRSEC.

Chief Coordinator

Dr. D. Rajeswara Rao
Professor & Head
Dept. of CSE
VRSEC.

About VRSEC

First self-financed Engineering College in Composite state of Andhra Pradesh established in the year 1977 , offering 7 UG (B.Tech) coursers with intake of 1140, 9 M.Tech(Specializations) - 180 , MBA-60 , MCA-60. Funded with Rs.6 Crores by World Bank and MHRD under TEQIP-II S.C.1.2. Recognized as 'Scientific & Industrial Research Organization (SIRO)' by DISR , MST Government of India since August , 2017. Only private college selected for MARGDARSHAN scheme by AICTE in A.P. and Telangana. 333+ total faculty with 115 Ph.D.s ,100 pursuing Ph.D.s. Collaboration with 7 foreign universities in USA and Australia.

About Department of IT

The Department comprises 30 eminent faculty, out of which 11 are having Ph.D and 20 are having M.Tech degrees in CSE, IT and Software Engineering. The department had 02 professors ,05 Associate Professors, 01 Senior Assistant Professor and 21 Assistant Professors. A total of 09 sponsored R&D Projects and grants are received from different agencies such as UGC , AICTE, NRSC-ISRO and E&ICT Academy. The number of papers published by the faculty in indexed journals are 164, in reputed international & national conferences are 88, and in Book Chapters are 27.

FDP Registration Details:

Academicians, Research Scholars who are intended to do quality project/research works can apply.

- Registration fee: **NILL**
- Session Timings: **3.00 PM to 4.30 PM and 4.40PM to 6.10PM**

Registration Link:
https://tinyurl.com/FDP-MDDS

- All the registered participants will receive every day meeting link to join the FDP via WhatsApp & Email.

Attendance is mandatory for all the sessions to get the participation E-certificate.

Feel free to contact us, Pavan Chitturi
(**pavanchitturi@vrsiddhartha.ac.in**)
Mobile No: **+91-8985670186.**

Day -1,2 (21-09-2020,22-09-2020)

Ms. Gayathri Nagarajan
Data Science Mentor & Scientist,
Springboard, Germany.

Topics (Day 1): **Session 1:** Data science(DS) Life cycle, Characteristics of Health care data,
Session 2: Research gaps in DS for Health care data.

Topics (Day 2): **Session 1:** Introduction to python libraries for DS
Session 2: Complete step-by-step Data Science process for diabetes prediction using Python Libraries.

Day - 3 (23-09-2020)

Dr. Nilanjan Dey
Asst. Professor, Techno International, New Town.
Visiting Fellow, Department of Biomedical Engineering, University of Reading, UK,
EiC of IJACI, IGI Global & STNIC Series, Springer Nature.

Topics: Session 1: Feature selection in Computer aided detection(and diagnosis (CAD) over medical images ,
Session 2: Segmentation Techniques in CAD

Day - 4 (24-09-2020)

Dr. Vikrant Bhateja
Associate Professor & Dean, SRMGPC, Lucknow.
EiC for IJNCR,IGI Global.

Topics: Session 1: Computer Aided Analysis of Medical Images
Session 2: Research case study on breast cancer detection.

Day - 5 (25-09-2020)

Dr. Suneet Gupta
Professor, Benett university, Noida.

Topic: Session 1: Neural Network models for Medical Imaging.
Session 2: 3-D Optimized Classification and Characterization Artificial Intelligence Paradigm for Cardiovascular/Stroke Risk Stratification using Carotid Ultrasound-based Delineated Plaque.

Final Day Feedback form (25th September 2020) FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

S. No	Email Address	Name	Institution Name	Mobile Number	How was the Presentation by the Speaker (Dr. Suneet Gupta)	Rate the usefulness of the FDP	Rate the Question Answering Session	How do you like the Platform used for the session?	Any Suggestions
1	jobenezer@vrsiddhartha.ac.in	Jangam Ebenezer	Velagapudi Ramakrishna Siddhartha Engineering College	7013344365	Excellent	Excellent	5	Excellent	No
2	sirishapgk@gmail.com	P.G.K Sirisha	KKR and KSR Institute of Technology and Sciences	7036755277	Good	Very Good	4	Excellent	
3	chbindusri123@gmail.com	Chakkakula Bindusri	Vijaya Institute of technology for womens	7207754078	Excellent	Very Good	5	Good	Informative session
4	ykiran125@gmail.com	S. KIRAN	YOGI VEMANA UNIVERSITY	7207937786	Excellent	Excellent	4	Good	NOTHING
5	madhavi.adi6@gmail.com	Kilaru Madhavi	VRSIDDHARTHA Engineering College	7382654448	Excellent	Excellent	5	Good	No
6	pooja1961jain@yahoo.com	Prof. pooja jain	s.s.jain subodh girls p.g.college,Jaipur.	7597322945	Good	Very Good	4	Good	very innovative
7	prasala@gmail.com	Bodapati Narasimha Rao	BVC Engineering college odalarevu	7702060563	Excellent	Excellent	5	Good	nice
8	mvkiran2005@gmail.com	D. RAVIKIRAN	Mahaveer peerumallu educational society's group of institutions	7702875293	Good	Very Good	4	Excellent	
9	prof.m.anitha@gmail.com	Anitha Manoharan	National Institute of technology Tiruchirapalli	7708543293	Excellent	Excellent	5	Good	Very nice session
10	lathakiran.samudrala@gmail.com	K Sowjatha	sreenidhi institute of science and technology	7799517667	Good	Good	4	Good	
11	chinmayee.rout@abit.edu.in	Chinmayee Rout	Ajay Binay Institute of Technology	7978631210	Excellent	Excellent	5	Excellent	
12	annthabitha@hiet.ac.in	Ann Thabitha TP	Bharat Institute of Engineering and Technology	7989252284	Excellent	Very Good	5	Excellent	
13	pppriyanca@gmail.com	Priya Kanbanatenni	P.B Siddhartha College of Arts and Science	7989782245	Excellent	Excellent	5	Excellent	No
14	prashant.atmakuri@gmail.com	Prashant Atmakuri	Vasireddy Venkatadri Institute of Technology	8019709941	Excellent	Excellent	5	Excellent	
15	[illegible]	Manikumar sonqa	Chebrolu engineering college	8074711770	Good	Excellent	4	Good	
16	ll.mohan@sasi.ac.in	Rama Mohana Rao Kotakalla	Sasi Institute of Technology & Engineering	8247369846	Good	Excellent	5	Excellent	
17	mdeepthi2012@gmail.com	M.MOHANA DEEPTHI	Andhra Loyola Institute Of Engineering and Technology	8297135659	Excellent	Excellent	5	Excellent	
18	arunasafali@gmail.com	Dr. M. Aruna Safali	NRI INSTITUTE OF TECHNOLOGY	8501867997	Excellent	Excellent	5	Good	
19	mrajeshvma90@gmail.com	M. Rajesh	Aruna college of engineering	8667546393	Satisfactory	Satisfactory	2	Good	Session is good
20	nilesh.kulkarni992@gmail.com	Nilesh Kulkarni	SKNCOE	8888490617	Excellent	Excellent	5	Excellent	No
21	kiran9sai@gmail.com	M Kiran kumar	Madanapalle Institute of Technology and Science	8919277474	Excellent	Excellent	5	Excellent	
22	hod.cseniit@gmail.com	Dr.D.Suneetha	NRI INSTITUTE of TECHNOLOGY	8919446968	Excellent	Very Good	5	Good	
23	hazarathaiah_kodumu@srmap.edu.in	KODURU HAJARATHAIAH	SRM University	8919720698	Excellent	Excellent	4	Good	
24	profsnr@gmail.com	Dr. SIVA NAGESWARA RAO S	NARASARAOPETA ENGINEERING COLLEGE	8977987777	Good	Very Good	5	Excellent	
25	thirlochanaprakash@gmail.com	Thirlochana Devi K	VVIT	8978633366	Excellent	Very Good	4	Good	
26	rampriya058@gmail.com	Kilari Rampriya	Usha Rama College of Engineering and Technology	8978944747	Excellent	Excellent	5	Good	Very nice session
27	lavanya.parv@gmail.com	Dr. Lavanya Parvatapany	Methodist College of engineering and technology	8985042735	Excellent	Very Good	5	Good	
28	bhateja.vikrant@gmail.com	Dr. Vikrant Bhateja	SRMGPC, Lucknow	8935070186	Excellent	Excellent	5	Excellent	
29	premkumar.jones@gmail.com	PREM KUMAR BORUGADDA	Pondicherry University	9000922756	Excellent	Excellent	5	Good	Very Informative session
30	murthytek@gmail.com	Dr.T.Satyanarayana Murthy	Sagarika Engineering college	9025887845	Excellent	Excellent	5	Excellent	Excellent frip,Material are uploaded day wise by pavan sir regularly... very nice...tq
31	venugopal.gaddam@gmail.com	Gaddam Venu Gopal	P.V.P Siddhartha Institute of Technology Vijayawada	9030384598	Good	Very Good	4	Good	
32	narayanaa808@gmail.com	Yedama Venkata Narayana	Vasireddy Venkatadri Institute of Technology	9033591547	Excellent	Excellent	5	Excellent	No
33	pppvpsit@gmail.com	RAVI PRAKASH PARUCHURI	PVPSIT	9030845808	Excellent	Excellent	5	Excellent	GOOD
34	1830400055@duniversity.in	GAMPA V.P.CHANDRA SEKHAR YADAV	K L E F	9032259527	Excellent	Excellent	5	Excellent	

Final Day Feedback form (25th September 2020) FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

S. No	Email Address	Name	Institution Name	Mobile Number	How was the Presentation by the Speaker (Dr. Sanoel Gupta)	Rate the usefulness of the FDP	Rate the Question Answering Session	How do you like the Platform used for the session?	Any Suggestions
35	jeya1125@vrsiddhartha.ac.in	G.Jayalakshmi	V.R Siddhartha Engineering College	9032553468	Excellent	Excellent	5	Excellent	
36	kamakhya.vjnior@gmail.com	KAMAKHYA NARAIN SINGH	SCA/KIIT Deemed to be University, Bhubaneswar	9040538569	Good	Good	4	Good	Slides should be shared.
37	jibin1st@gmail.com	Jibin Lukose	SCMS School of Engineering & Technology	9074579660	Good	Very Good	4	Excellent	
38	amsini162199[illegible]@gmail.com	Amsini P	SRI SARADA COLLEGE FOR WOMEN(Autonomous), Salem 16	9092743026	Excellent	Excellent	5	Good	
39	sivakani13@gmail.com	SIVAKANI R	B.S.Abdur Rahman Crescent Institute of Science and Technology	9092440362	Excellent	Excellent	5	Excellent	
40	dgvrajeshkumar@gmail.com	Venkata Rajesh Kumar P	Vishnu Dental College	9177203999	Good	Good	4	Good	
41	mrnag27@gmail.com	M.NAGARAJU	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES	9247919192	Excellent	Very Good	4	Excellent	
42	venigarlapati@gmail.com	KRISHNAVENI GARLAPATI	SIR CR REDDY COLLEGE OF ENGINEERING	9290027037	Good	Very Good	4	Good	NO
43	mendu.anusha053@gmail.com	MENDU ANUSHA	StMarys group of Institutions Guntur	9346145292	Excellent	Excellent	5	Excellent	No
44	rshari2011@gmail.com	SRI HARI NALLAMALA	VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY, GUNTUR	9347337378	Good	Very Good	4	Good	NIL
45	xaviermattam@gmail.com	Xavierlal J Mattam	Sacred Heart College(Autonomous)	9401831822	Good	Very Good	4	Good	No Suggestions
46	tripathiranjan2015@gmail.com	RANJAN TRIPATHI	SRM Group of Professional Colleges, Lucknow	9415347237	Excellent	Very Good	5	Excellent	Very Nice, Kindly organize such FDPs frequently.
47	mahesh.bhasutkar@gmail.com	B Mahesh	Dr.K.V.Subba Reddy Institute of Technology	9440970546	Good	Very Good	4	Good	
48	ashoomaik@gmail.com	S.ASHA VARMA	NRI INSTITUTE OF TECHNOLOGY	9441536563	Excellent	Very Good	4	Good	
49	radk1978@gmail.com	Dr. S. RADHAKRISHNAN	PACE INSTITUTE OF TECHNOLOGY AND SCIENCES, ONGOLE	9442740748	Excellent	Very Good	4	Good	Good
50	rajkumar.rs@srec.ac.in	R. S. Rajkumar	Sri Ramakrishna Engineering College	9443316656	Good	Very Good	4	Good	Good
51	suthakarmahi@gmail.com	SUTHAKAR MAHI	BITS	9444838213	Good	Very Good	4	Good	
52	gayathrisivaabhel@gmail.com	S.Sivabhel	National Institute of Technology Trichy	9487540282	Excellent	Excellent	5	Excellent	very useful and informative session
53	mramyakanaya@gmail.com	Mallsetty Ramya Tanaya	Vijaya Institute of Technology for Women	9490646500	Excellent	Excellent	5	To be improved	
54	prasanthi.kunderi@gmail.com	K Naga prasanthi	Lakireddy balireddy college of engineering	9490673103	Good	Very Good	2	Good	None
55	chjyothi@alliet.ac.in	Dr.CH.RATHNA JYOTHI	Andhra Loyola Institute of Engineering and Technology	9490699039	Good	Very Good	4	Good	NIL
56	bhavani.chowdary3@gmail.com	Seshu Bhavani M	NRIIT	9490912885	Excellent	Excellent	4	Good	
57	ubdupatty@gmail.com	Dr. T. Anuradha	VR Siddhartha Engineering College	9491445258	Good	Very Good	4	Excellent	
58	rameshvepa@gmail.com	Dr.RAMESH BABU VALLABHANENI	NRI Institute of Technology vijayawada	9491727980	Good	Satisfactory	2	Good	Session is good
59	bushramohsin.naidu61@gmail.com	MOHAMMAD BUSHRA	VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN	9491961583	Good	Good	4	Good	
60	seshu.chakravarthy@gmail.com	Thota Seshu Chakravarthy	Vasireddy Venkatadri Institute of Technology	9492053656	Good	Good	4	Good	Good
61	vramana@pbsiddhartha.ac.in	Venkata Ramana Vadlamudi	P.B.Siddhartha College of Arts & Science	9494055175	Good	Very Good	4	Good	NIL
62	karuturilalithasai@gmail.com	LALITHA BHAVANI BIKKINA	SIR C R REDDY COLLEGE OF ENGINEERING	9494706288	Good	Good	4	Good	Nothing
63	mvathi_it@vnrvjet.in	REVATHI ANNAM	VNR Vignana Jyothi Institute of Engineering & Technology	9502315740	Excellent	Excellent	5	Excellent	
64	bhargavijyothik@gmail.com	D Bhargava jyothi	Madanapalle institute of technology and science	9502637202	Excellent	Excellent	5	Good	Very good session
65	pranathi.pamarthi@gmail.com	K Pranathi	VR Siddhartha Engineering College	9533083837	Excellent	Excellent	5	Good	
66	kavitha.kawuri.vkdishore@gmail.com	D. Kavitha	Mojoe	9538792426	Excellent	Excellent	5	Good	
67	ramalakshmi.boyapati@gmail.com	RAMA LAKSHMI B	SIR C R REDDY COLLEGE OF ENGINEERING	9542113818	Excellent	Very Good	4	Good	No

Final Day Feedback form (25th September 2020) FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

S. No	Email Address	Name	Institution Name	Mobile Number	How was the Presentation by the Speaker (Dr. Sunnet Gupta)	Rate the usefulness of the FDP	Rate the Question Answering Session	How do you like the Platform used for the session?	Any Suggestions
68	jagati.padmavathi4@gmail.com	J Padmavathi	G Narayanamma Institute of technology & Science	9550363605	Excellent	Very Good	5	Good	
69	kranthisri41@gmail.com	S. Kranthi	V R Siddhartha Engineering college	9550370079	Excellent	Excellent	5	Excellent	
70	tvmsr19@alliet.ac.in	Tadepalli Venkata Manikanta Sairam	Andhra Loyola Institute of Engineering and Technology	9573435970	Excellent	Excellent	5	Good	Very informative session
71	sridevij@gmail.com	Sridevi, Jalakam	VJIT	9603170489	Excellent	Excellent	5	Good	Good
72	drnazeersk@gmail.com	Dr. Nazeer Shaik	Bapatla Engineering College	9642302577	Excellent	Excellent	5	Excellent	Thanks to all the 5 days Resource persons sharing the most useful information and thanks to Dept of CSE and Organising team members for providing wonderful workshop. I appreciated the Mr.Pavan Sir for well coordination during the workshop and in Whatsapp group also.
73	kanyabtech@yahoo.com	Lakku Kanya kumari	Andhra Loyola Institute of Engineering and Technology	9642753555	Good	Very Good	4	Excellent	
74	nawabjubair@gmail.com	N Md Jubair Basha	Kallam Haranadhareddy Institute of Technology Guntur	9652564900	Excellent	Excellent	5	Excellent	Organized very well
75	n.mounika7777@gmail.com	NAKKA MOUNIKA	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY	9652606747	Good	Good	4	Good	
76	majumdersoumitra@gmail.com	SOUMI MAJUMDER	SISTER NIVEDITA UNIVERSITY	9674446990	Excellent	Very Good	4	Good	No
77	vsc.duggirala@gmail.com	V Srinivasa Rao	National Institute of Technology, Tiruchirapalli	9701705751	Excellent	Excellent	5	Good	
78	bharathis@vdc.edu.in	Dr. T. Sreenivasa Bharath	Vishnu Dental College	9703931755	Good	Very Good	4	Good	No
79	alishayagokul2009@gmail.com	Dr. Anuradha Chokka	Vijaya Institute of Technology for women	9705404540	Excellent	Excellent	5	Excellent	
80	leebanmoses@hitsathy.ac.in	M. Leeban Moses	Bannari Amman Institute of Technology	9789576702	Excellent	Excellent	5	Good	
81	tg@srec.ac.in	T. Gahan	Sri Ramakrishna Engineering College	9642202738	Excellent	Very Good	5	Good	Nice
82	saravana21.bhava@gmail.com	Mr. P. SARAVANABHAVA , AP/CSE	JAGANNATH INSTITUTE OF TECHNOLOGY	9642932110	Excellent	Excellent	5	Good	Good
83	anandkumar@skcet.ac.in	Dr ANANDKUMAR V	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	9643902685	Excellent	Excellent	5	Good	
84	skomcali@gitam.edu	Subhadra Kompella	GITAM Deemed to be University	9646129318	Good	Good	4	Good	Good
85	kch.chilukuri@gmail.com	Dr. Kalyana Chakravarthy Chilukuri	MVGR College of Engineering(Autonomous)	9646129319	Excellent	Very Good	4	Good	
86	sambamarrapu@gmail.com	Marrapu Samba Siva Rao	Usharama college of engineering and technology	9648209419	Excellent	Excellent	5	Good	
87	pavankalluri@pvpsiddhartha.ac.in	Dr K. Pavan Kumar	Prasad V Potluri Siddhartha Institute of Technology	9648591924	Good	Excellent	5	Good	
88	durgapallavi@gmail.com	Dr A Kanaka Durga	Stanley College of Engineering and Technology for Women	9649384247	Good	Good	4	Good	
89	srinumodali@gmail.com	Dr. M S S S Srinivas	NRIIT, VJA	9649672252	Excellent	Excellent	5	Excellent	Python based FDP will help all of us for current senario
90	sri.jagannadham@gmail.com	Srisha.J	PVPSIT,Vijayawada	9649675275	Excellent	Excellent	4	Excellent	
91	geetha.g@vrsiddhartha.ac.in	Geetha	VRSEC	9685127581	Excellent	Excellent	5	Excellent	
92	jayaram_258m@yahoo.com	Dr. JAYARAM MIRYABBELLI	UNIVERSAL COLLEGE OF ENGINEERING AND TECHNOLOGY	9685476457	Excellent	Excellent	5	Excellent	GOOD
93	malathi.komma@gmail.com	Malathi Janapati	Sir C R Reddy College of Engineering	9685635424	Good	Good	4	Good	

Final Day Feedback form (25th September 2020) FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

S. No	Email Address	Name	Institution Name	Mobile Number	How was the Presentation by the Speaker (Dr. Suneet Gupta)	Rate the usefulness of the FDP	Rate the Question Answering Session	How do you like the Platform used for the session?	Any Suggestions
94	arunbhupathi@gmail.com	Dr Arun Bhupathi	Vishnu Dental College	9885993485	Excellent	Excellent	5	Excellent	The faculty development program was successfully organised and the speakers interaction was very approachable and informative. We wish to participate on Similar sessions organised by you, Thank you organising team.
95	shakeelahamedvits@gmail.com	MOHAMMAD SHAKEEL AHAMAD	VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY,GUNTUR	9908469326	Good	Good	3	Good	informative sessions
96	parimala.ramesh@gmail.com	P. Parimala	MVGR COLLEGE OF ENGINEERING (A)	9908934772	Excellent	Excellent	5	Good	
97	ramesh.welcome@gmail.com	Ramesh mande	Visec	9912280402	Excellent	Excellent	5	Good	
98	dhaneendra.b@vrsiddhartha.ac.in	B	V R SIDDHARTHA ENGINEERING COLLEGE	9948176549	Excellent	Excellent	5	Good	Good
99	pashoreddy296@gmail.com	Dr Ashok Reddy Pamuapati	Lakireddy BaliReddy College of Engineering	9948400430	Good	Very Good	4	Good	
100	s.raghu7@gmail.com	S Raghu	Chaitanya Institute of Technology and Science	9959569888	Good	Very Good	4	Excellent	
101	anilkumar.b@gmrit.edu.in	Mr. AnilKumar B	GMR INSTITUTE OF TECHNOLOGY	9963268763	Excellent	Excellent	5	Excellent	Good session
102	venkatash.cse88@gmail.com	Venkatesh B	Vellore Institute of Technology	9963311377	Excellent	Excellent	5	Good	
103	machinenira.esh@gmail.com	MACHINENI RAJESH	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY	9963667835	Excellent	Excellent	4	Good	NOTHING
104	cmanjunath.sku@gmail.com	C. MANJUNATH	SRI KRISHNADEVARAYA UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY	9966004143	Excellent	Excellent	4	Good	NOTHING
105	gsraghupavan9@gmail.com	PAVAN GUNDA	Sir C R Reddy College of Engineering, Eluru	9966369844	Good	Very Good	4	Good	
106	shaikriaz@gmail.com	RIAZ SHAIK	ST MARY'S GROUP OF INSTITUTIONS-GUNTUR	9966743843	Excellent	Excellent	5	Excellent	Deserves appreciation
107	shaikshamsaana09@gmail.com	Shaikh Tamsana	Vijaya institute of technology for women	9966753260	Good	Very Good	4	Good	
108	arun.kakoori@gmail.com	K. ARUN KUMAR	GVR COLLEGE OF ENGINEERING	9985871307	Good	Very Good	5	Excellent	
109	balaiahgudipudi@gmail.com	GUDIPUDI BALAIAH	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY	9969670210	Excellent	Good	4	Good	Slides should be shared.
110	k.sitakumari@vrsiddhartha.ac.in	Dr. K. Sita Kumari	Velagapudi Ramakrishna Siddhartha Engg College	19848275950	Excellent	Excellent	5	Excellent	Informative
111	kamleshank@gmail.com	KAMLESH KUMAR PANDEY	Dr.Harisingh Gour Vishwavidyalaya	+917509341893	Excellent	Excellent	5	Excellent	
112	chithrakumar.thangaraj@sreenidhi.edu.in	Chithrakumar Thangaraj	Sri Ramakrishna Engineering College	+919787574705	Excellent	Excellent	5	Good	Na
113	vijayalakshmik@sreenidhi.edu.in	Dr. Vijayalakshmi Kakulapati	Sreenidhi Institute of Science and Technology	+919849663621	Excellent	Excellent	4	Excellent	
114	happysatyasai@gmail.com	SATYA NAGAMANI TUTA	SIR C R REDDY COLLEGE OF ENGINEERING	09440010271	Good	Good	3	To be improved	Good organising
115	dhanu.bio@gmail.com	Dr. S. Dhanalakshmi	Padmashree Institute of management and sciences,Bangalore, Karnataka	09444675608	Good	Very Good	4	Good	Very informative program. Iam from the clinical Biochemistry background,I got some idea in this field. so, it was really helpful to my research. thank you so much to the organising committee members.
116	mtanooj@gmail.com	MYNENI TANOOJ KUMAR	Dhanekula Institute of Engineering and Technology	09492468477	Excellent	Very Good	4	Good	
117	praveenajhd@vidyanikethan.edu	Ms.I.D.Praveena	Sree Vidyanikethan Engineering College	09704660778	Excellent	Excellent	5	Excellent	
118	nabonita.das2008@gmail.com	Nabonita Das	Bengal Institute of Technology	09804154252	Excellent	Excellent	5	Good	need more fdp like this.
119	ban.nilanjan@gmail.com	NILANJAN BANERJEE	BENGAL INSTITUTE OF TECHNOLOGY	09830406080	Excellent	Excellent	5	Good	

Final Day Feedback form (25th September 2020) FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

S. No	Email Address	Name	Institution Name	Mobile Number	How was the Presentation by the Speaker (Dr. Suneet Gupta)	Rate the usefulness of the FDP	Rate the Question Answering Session	How do you like the Platform used for the session?	Any Suggestions
120	sivas.postbox@gmail.com	SOUBRAYLU SIVAKUMAR	K L University	09440093976	Excellent	Very Good	4	Good	NIL
121	roychoudri@gmail.com	Dr Subrenkani Roychoudri	Usha Rama College of Engineering and Technology	09349645441	Good	Good	4	Good	Good
122	bhattacharya.sudipta@gmail.com	SUDIPTA BHATTACHARYA	Bengal Institute of Technology	9963268763	Bengal Institute of Technology	Excellent	Excellent	4	Good

Participation List for FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

S. No	Email Address	Name	Institution Name
1	jebenezer@vrsiddhartha.ac.in	Jangam Ebenezer	Velagapudi Ramakrishna Siddhartha Engineering College
2	sirishapgk@gmail.com	P G K Sirisha	KKR and KSR Institute of Technology and Sciences
3	chbindusri123@gmail.com	Chokkakula Bindusri	Vijaya institute of technology for womens
4	rkirans125@gmail.com	S. KIRAN	YOGI VEMANA UNIVERSITY
5	madhavi.aditi@gmail.com	Kilaru Madhavi	VRSIDDHARTHA Engineering College
6	pooja1981jain@yahoo.com	Prof. pooja jain	s.s.jain subodh girls p.g.college,Jaipur.
7	bnraolak@gmail.com	Bodapati Narasimha Rao	BVC Engineering college odalarevu
8	ravikirand2005@gmail.com	D. RAVIKIRAN	Malineni perumallu educational society's group of institutions
9	prof.m.anitha@gmail.com	Anitha Manoharan	National institute of technology Tiruchirapalli
10	lathakiran.samudrala@gmail.com	K Sreelatha	sreenidhi institute of science and technology
11	chinmayee.rout@abit.edu.in	Chinmayee Rout	Ajay Binay Institute of Technology
12	annthabitha@biet.ac.in	Ann Thabitha TP	Bharat Institute of Engineering and technology
13	pppriyamca@gmail.com	Priya Kantamaneni	P.B Siddhartha College of Arts and Science
14	prashant.atmakuri@gmail.com	Prashant Atmakuri	Vasireddy Venkatadri Institute of Technology
15	songa.manikumar@gmail.com	Manikumar songa	Chebrolu engineering college
16	it.mohan@sasi.ac.in	Rama Mohana Rao Konakalla	Sasi Institute of Technology & Engineering
17	mdeepthi2012@gmail.com	M.MOHANA DEEPTHI	Andhra Loyola Institute Of Engineering and Technology
18	arunasafali.m@gmail.com	Dr. M. Aruna Safali	NRI INSTITUTE OF TECHNOLOGY
19	mrajeshtvm90@gmail.com	M. Rajesh	Arunai college of engineering
20	nileshkulkarni992@gmail.com	Nilesh Kulkarni	SKNCOE
21	kiran9sai@gmail.com	M Kiran kumar	Madanapalle Institute of Technology and Science
22	hod.csenrit@gmail.com	Dr.D.Suneetha	NRI INSTITUTE of TECHNOLOGY
23	hazarathaiah_koduru@srmap.edu.in	KODURU HAJARATHAIAH	SRM University
24	profssnr@gmail.com	Dr. SIVA NAGESWARA RAO S	NARASARAOPETA ENGINEERING COLLEGE
25	thrilochanaprakash@gmail.com	Thrilochana Devi K	VVIT
26	rampriya058@gmail.com	Kilari Rampriya	Usha Rama College of Engineering and Technology
27	lavanya.post@gmail.com	Dr. Lavanya Pamulaparty	Methodist College of engineering and technology
28	bhateja.vikrant@gmail.com	Dr. Vikrant Bhateja	SRMGPC, Lucknow
29	premkumar.jones@gmail.com	PREM KUMAR BORUGADDA	Pondicherry University
30	murthyteki@gmail.com	Dr.T.Satyanarayana Murthy	Bapatla Engineering college
31	venugopal.gaddam@gmail.com	Gaddam Venu Gopal	P V P Siddhartha Institute of Technology Vijayawada
32	naarayanaa808@gmail.com	Yerininti Venkata Narayana	Vasireddy Venkatadri Institute of Technology
33	prppvpsit@gmail.com	RAVI PRAKASH PARUCHURI	PVPSIT
34	183040065@kluniversity.in	GAMPA V P CHANDRA SEKHAR YADAV	K L E F

Participation List for FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

35	jaya1123@vrsiddhartha.ac.in	G.JayaLakshmi	V R Siddhartha Engineering College
36	kamakhya.vphcu@gmail.com	KAMAKHYA NARAIN SINGH	SCA/KIIT Deemed to be University, Bhubaneswar
37	jibin1st@gmail.com	Jibin Lukose	SCMS School of Engineering & Technology
38	amsini1621992@gmail.com	Amsini P	SRI SARADA COLLEGE FOR WOMEN(Autonomous), Salem 16
39	sivakani13@gmail.com	SIVAKANI R	B.S.Abdur Rahman Crescent Institute of Science and Technology
40	drpvrajeshkumar@gmail.com	Venkata Rajesh Kumar P	Vishnu Dental College
41	mr.nag27@gmail.com	M NAGARAJU	KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES
42	veni.garlapati@gmail.com	KRISHNAVENI GARLAPATI	SIR CR REDDY COLLEGE OF ENGINEERING
43	mendu.anusha353@gmail.com	MENDU ANUSHA	St.Marys group of institutions Guntur
44	nshari2011@gmail.com	SRI HARI NALLAMALA	VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY, GUNTUR
45	xaviermattam@gmail.com	Xavierial J Mattam	Sacred Heart College(Autonomous)
46	tripathiranjan2015@gmail.com	RANJAN TRIPATHI	SRM Group of Professional Colleges, Lucknow
47	mahesh.bhasutkar@gmail.com	B Mahesh	Dr.K.V.Subba Reddy Institute of Technology
48	ashavarmak@gmail.com	S.ASHA VARMA	NRI INSTITUTE OF TECHNOLOGY
49	radki1970@gmail.com	Dr. S. RADHAKRISHNAN	PACE INSTITUTE OF TECHNOLOGY AND SCIENCES, ONGOLE
50	rajkumar.rs@srec.ac.in	R. S. Rajkumar	Sri Ramakrishna Engineering College
51	suthakarmari@gmail.com	SUTHAKAR MARI	BITS
52	gayathrisivaabhel@gmail.com	S.Gayathri	National Institute of Technology Trichy
53	mramyatanaya@gmail.com	Malisetty Ramya Tanaya	Vijaya Institute of Technology for Women
54	prasanthi.kundeti@gmail.com	K Naga prasanthi	Lakireddy balireddy college of engineering
55	chrjyothi@aliet.ac.in	Dr. CH.RATHNA JYOTHI	Andhra Loyola Institute of Engineering and Technology
56	bhavani.chowdary3@gmail.com	Seshu Bhavani M	NRIIT
57	atadiparty@gmail.com	Dr. T. Anuradha	VR Siddhartha Engineering College
58	rameshvece@gmail.com	Dr.RAMESH BABU VALLABHANENI	NRI Institute of Technology vijayawada
59	bushramohammad561@gmail.com	MOHAMMAD BUSHRA	VIJAYA INSTITUTE OF TECHNOLOGY FOR WOMEN
60	seshu.chakravarthy@gmail.com	Thota Seshu Chakravarthy	Vasireddy Venkatadri Institute of Technology
61	vvramana@pbsiddhartha.ac.in	Venkata Ramana Vadlamudi	P.B.Siddhartha College of Arts & Science
62	karuturi.lalithacse@gmail.com	LALITHA BHAVANI BIKKINA	SIR C R REDDY COLLEGE OF ENGINEERING
63	revathi_a@vnrvjiet.in	REVATHI ANNAM	VNR Vignana Jyothi Institute of Engineering & Technology
64	bhargavijyothik@gmail.com	D Bhargava jyothi	Madanapalle institute of technology and science
65	pranathi.pamarthi@gmail.com	K Pranathi	VR Siddhartha Engineering College
66	kavithalawrencekishore@gmail.com	D. Kavitha	Mvjce
67	ramalakshmi.boyapati@gmail.com	RAMA LAKSHMI B	SIR C R REDDY COLLEGE OF ENGINEERING
68	jageti.padmavathi4@gmail.com	J Padmavathi	G Narayanamma Institute of technology & Science
69	kranthisri41@gmail.com	S. Kranthi	V R Siddhartha Engineering college

Participation List for FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

70	tvmsr19@aliet.ac.in	Tadepalli Venkata Manikanta Sairam	Andhra Loyola Institute of Engineering and Technology
71	sridevij@gmail.com	Sridevi. Jalakam	VJIT
72	drnazeersk@gmail.com	Dr. Nazeer Shaik	Bapatla Engineering College
73	kanyabtech@yahoo.com	Lakku Kanya kumari	Andhra Loyola Institute of Engineering and Technology
74	nawabjubair@gmail.com	N Md Jubair Basha	Kallam Haranadhareddy Institute of Technology Guntur
75	n.mounika7777@gmail.com	NAKKA MOUNIKA	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY
76	majumdersoumihr@gmail.com	SOUMI MAJUMDER	SISTER NIVEDITA UNIVERSITY
77	vsr.duggirala@gmail.com	V Srinivasa Rao	National Institute of Technology, Tiruchirapalli
78	bharathts@vdc.edu.in	Dr. T. Sreenivasa Bharath	Vishnu Dental College
79	akshayagokul2009@gmail.com	Dr. Anuradha Chokka	Vijaya Institute of Technology for women
80	leebanmoses@bitsathy.ac.in	M. Leeban Moses	Bannari Amman Institute of Technology
81	tg@srec.ac.in	T. Guhan	Sri Ramakrishna Engineering College
82	saravana21.bhava@gmail.com	Mr. P. SARAVANABHAVA , AP/CSE	JAGANNATH INSTITUTE OF TECHNOLOGY
83	anandkumar@skcet.ac.in	Dr ANANDKUMAR V	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
84	skompell@gitam.edu	Subhadra Kompella	GITAM Deemed to be University
85	kch.chilukuri@gmail.com	Dr. Kalyana Chakravarthy Chilukuri	MVGR College of Engineering(Autonomous)
86	sambamarrapu@gmail.com	Marrapu Samba Siva Rao	Usharama college of engineering and technology
87	pavankalluri@pvpsiddhartha.ac.in	Dr K. Pavan Kumar	Prasad V Potluri Siddhartha Institute of Technology
88	durgapallavi@gmail.com	Dr A Kanaka Durga	Stanley College of Engineering and Technology for Women
89	srinumodali@gmail.com	Dr. M S S S Srinivas	NRIIT, VJA
90	sin.jagannadham@gmail.com	Sirisha.J	PVPSIT,Vijayawada
91	geetha.g@vrsiddhartha.ac.in	Geetha	VRSEC
92	jayaram_258m@yahoo.com	Dr. JAYARAM MIRYABBELLI	UNIVERSAL COLLEGE OF ENGINEERING AND TECHNOLOGY
93	malathi.komma@gmail.com	Malathi Janapati	Sir C R Reddy College of Engineering
94	arunbhupathi@gmail.com	Dr Arun Bhupathi	Vishnu Dental College
95	shakeelahmedvits@gmail.com	MOHAMMAD SHAKEEL AHAMAD	VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY,GUNTUR
96	parimala.rachem@gmail.com	P. Parimala	MVGR COLLEGE OF ENGINEERING (A)
97	ramesh.welcome@gmail.com	Ramesh mande	Vrsec
98	phaneendra.b@vrsiddhartha.ac.in	Phaneendra BNLP	V R SIDDHARTHA ENGINEERING COLLEGE
99	pashokreddy29@gmail.com	Dr AshokReddy Pamulapati	Lakireddy BaliReddy College of Engineering
100	s.raghu7@gmail.com	S Raghu	Chaitanya Institute of Technology and Science
101	anilkumar.b@gmrt.edu.in	Mr. Anilkumar B	GMR INSTITUTE OF TECHNOLOGY
102	venkatesh.cse88@gmail.com	Venkatesh B	Vellore Institute of Technology
103	machinenirajesh@gmail.com	MACHINENI RAJESH	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY
104	cmanjunath.sku@gmail.com	C. MANJUNATH	SRI KRISHNADEVARAYA UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY

Participation List for FDP on High Quality Medical Diagnosis using Data Science for Societal Benefits

105	gsraghupavan9@gmail.com	PAVAN GUNDA	Sir C R Reddy College of Engineering, Eluru
106	sheikriaz@gmail.com	RIAZ SHAIK	ST MARY'S GROUP OF INSTITUTIONS-GUNTUR
107	shalinitammana09@gmail.com	Shalini Tammana	Vijaya Institute of technology for women
108	arun.katkoori@gmail.com	K. ARUN KUMAR	CVR COLLEGE OF ENGINEERING
109	balaiahgudipudi@gmail.com	GUDIPUDI BALAIAH	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY
110	k.sitakumari@vrsiddhartha.ac.in	Dr. K. Sita Kumari	Velagapudi Ramakrishna Siddhartha Engg College
111	kamleshamk@gmail.com	KAMLESH KUMAR PANDEY	Dr. Harisingh Gour Vishwavidyalaya
112	chithrakumar.thangaraj@srec.ac.in	Chithrakumar Thangaraj	Sri Ramakrishna Engineering College
113	vijayalakshmik@sreenidhi.edu.in	Dr. Vijayalakshmi Kakulapati	Sreenidhi Institute of Science and Technology
114	happysatyasai@gmail.com	SATYA NAGAMANI TUTA	SIR C R REDDY COLLEGE OF ENGINEERING
115	dhanu.bio@gmail.com	Dr. G. Dhanalakshmi	Padmashree institute of management and sciences,Bangalore, Kamataka
116	mtanooj@gmail.com	MYNENI TANOOJ KUMAR	Dhanekula Institute of Engineering and Technology
117	praveena.hd@vidyanikethan.edu	Ms.H.D.Praveena	Sree Vidyanikethan Engineering College
118	nabanita.das2008@gmail.com	Nabanita Das	Bengal Institute of Technology
119	ban.nilanjan@gmail.com	NILANJAN BANERJEE	BENGAL INSTITUTE OF TECHNOLOGY
120	sivas.postbox@gmail.com	SOUBRAYLU SIVAKUMAR	K L University
121	roychoudri@gmail.com	Dr Subramani Roychoudri	Usha Rama College of Engineering and Technology
122	bhattacharya.sudipta@gmail.com	SUDIPTA BHATTACHARYA	Bengal Institute of Technology

6/10/20

Contact

www.linkedin.com/in/gayathri-nagarajan-9ab195189 (LinkedIn)

Top Skills

Data Science
Machine Learning Algorithms
Python (Programming Language)

Languages

Tamil (Native or Bilingual)
Kannada(spoken) (Elementary)
German(A1) (Elementary)

Certifications

Programming with Python for data science
Exploratory data analysis
Manipulating data frames with Pandas
Introduction to Python
Python datascience tool box - 1

Honors-Awards

Young woman educator and researcher
Best researcher in Data analytics

Publications

A survey on tying data to geographic locations in mobile – disconnected networks using boomerang protocol
A hybrid of whale optimization and late acceptance hill climbing based imputation to enhance classification performance in electronic health records
A novel approach for detecting hacking using data mining techniques
Feature engineering by a Brain-Computer progressively interactive Simulated annealing on Random Forest for Health data analytics

Gayathri Nagarajan

Data scientist|Data science mentor|ML Researcher|Speaker
Bad Vilbel

Summary

A data scientist exploring datasets, creating models and deriving insights from them. Works published in high impact scopus indexed journals. An online mentor for data science. A recipient of "Young woman researcher and educator" awarded by National Foundation of Enterpreneurship and Development and a recipient of "Best researcher in Data Analytics" awarded by Rula academy. Speaker in data science domain. A member of World Research Council.

Experience

Springboard
Data science mentor
January 2020 - Present (10 months)

Mentor for the 'Data science career track' course designed for corporate professionals for transition into data science.

Freelancer
Data Scientist
2017 - Present (3 years)
India, Germany

Explores the datasets and uses machine learning algorithms to model for prediction. Have knowledge on big data platforms such as Hadoop, Spark, Hive, Pig, Azure services and also in deep learning techniques. Familiar with SQL and uses Python and R language for implementation of the machine learning algorithms. Implements step by step data science processes such as missing data imputation, dimensionality reduction techniques, Feature engineering and modeling. Familiar with version control tool Git hub.

Vellore Institute of Technology
Researcher in Machine learning(Ph.D)
July 2016 - Present (4 years 4 months)
India

Works on analyzing health care datasets and researching on methodologies to improve the performance of prediction on high dimensional health care

An empirical comparison of six supervised machine learning techniques on spark platform for health big data" in International conference on smart intelligent computing and applications

datasets. Few methodologies are identified. Experiments are conducted and the papers published in scopus journals. Completed colloquium as on August 2020.

MVJ College of Engineering, Bangalore, India
Asst professor
2011 - 2016 (5 years)
India

Handled core subjects such as DBMS, Data structures, Analysis and Design of Algorithms, Software engineering, Data mining, programming languages such as C, C++, C# etc for computer engineering students. Have experience in developing software for automation of certain processes in the institution.

Yokogawa
Software Engineer
May 2007 - August 2010 (3 years 4 months)
Singapore

Worked with C++, C#.Net and SQL on projects related to industrial automation. Worked both in server and client side. Developed UI designs. Experience in using agile methods for development. Have experience in executing test cases, using memory leak, code coverage tools, source control tools etc.

Tata Consultancy Services
Software Engineer
2006 - 2007 (1 year)
India

Worked with mainframe. Experience in COBOL, JCL etc.

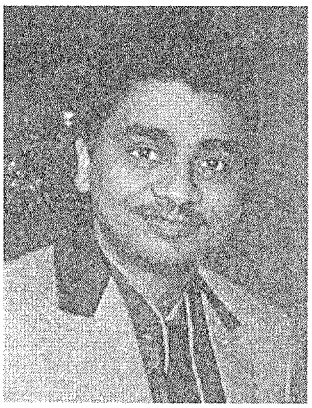
Education

VIT_Vellore Institute of Technology , India
Ph.D, Machine learning · (2016)

Shanmugha Arts, Science, Technology and Research Academy , India
M.tech, Advanced computing · (2004 - 2006)

University of Madras, India
B.tech, Information Technology · (2000 - 2004)

Nilanjan Dey, *PhD.(JU), Postdoc(UNIR), SIEEE, MIE*



Associate Professor
Department of Computer Science and Engineering
JIS Univeristy
Agarpara,Kolkata,India
Web: https://jisuniversity.ac.in/

Visiting Research Fellow
Wearables Computing Laboratory,
Department of Biomedical Engineering,
Polly Vacher building, University of Reading,RG66AY, UK
Web: www.reading.ac.uk/wearables
Email: n.dey@reading.ac.uk

Email:neelanjan.dey@gmail.com
M: (91) 8942809380 | Skype: neelanjandey1

85 authored/edited books	Total **508** Publications
135 SCI/E-indexed journal papers	h-index: **47** and citations: **>9000** (Google Scholar)
325 Scopus Publications	

Nilanjan Dey is an Associate Professor in Department of Computer Science and Engineering at JIS Univeristy (under JIS Group), Kolkata, India. He has completed his PhD. in 2015 from Jadavpur Univeristy, Kolkata, India. He is ***postdoctoral fellow of Universidad Internacional de La Rioja (UNIR), Spain.*** He is a ***Visiting Fellow of Wearables Computing Laboratory, Department of Biomedical Engineering Univeristy of Reading, UK.*** He is the *Visiting Professor of College of Information and Engineering, Wenzhou Medical University, P.R. China.* He has held honorary position of *Visiting Scientist at Global Biomedical Technologies Inc., CA, USA (2012-2015).* He is a Research Scientist at Laboratory of Applied Mathematical Modeling in Human Physiology, Territorial Organization of- Scientific and Engineering Unions, Bulgaria, Associate Researcher of Laboratoire RIADI, University of Manouba, Tunisia and Scientific Member of - Politécnica of Porto. Before he joined Techno India College of Technology, he has served as an Assistant Professor at JIS College of Engineering and Bengal College of Engineering and Technology. With more than 13 years of teaching and research experience, he has authored/edited more than 85 books with Elsevier, Wiley, CRC Press and Springer, and published more than 450 research articles. His h-index is **47** with more than **9000** citations. He is the ***Editor-in-Chief of Int. J. of Ambient Computing and Intelligence*** (IJACI, IGI Global,UK, Scopus), ***Int. J. of Rough Sets and Data Analysis*** (IGI Global,US, DBLP,ACM dl). He is the Series Co-Editor of ***Springer Tracts in Nature-Inspired Computing (STNIC), Springer Nature*** and ***Advances in Ubiquitous Sensing Applications for Healthcare (AUSAH), Elsevier***, Series Editor of ***Computational Intelligence in***

Engineering Problem Solving and Intelligent Signal processing and data analysis, CRC Press (FOCUS/Brief Series), De Gruyter Series on the Internet of Things and Advances in Geospatial Technologies (AGT) Book Series, (IGI Global), US, serves as an editorial board member of several international journals, including International Journal of Image Mining (IJIM), Inderscience, Associated Editor of ***IEEE Access*** (SCI-Indexed), and International Journal of Information Technology, Springer.

In addition, he was awarded as one among the ***top 10 most published academics*** in the field of Computer Science in India during the period of consideration 2015-17 during 'Faculty Research Awards' organized by Careers 360 at New Delhi, India on March 20, 2018. His main research interests include Medical Imaging, Machine learning, Computer Aided Diagnosis as well as Data Mining. He has been on program committees of over 100 international conferences and acted as a program chair/co-chair and/or advisory chair of more than 20 international conferences.

He has given more than 75 invited lectures in 10 countries, including many invited plenary/keynote talks at the international conferences such as ITITS2017 (China), TIMEC2017 (Egypt) and BioCom2018 (UK) etc. He is the Indian Ambassador of InterYIT (International Young ICT Professionals group of International Federation for Information Processing). He is a senior member of IEEE.

Selected Recent Publications (> 503 publications (135 SCI/SCIE J.) with > 9000 citations)

Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=55356190900
Amazon Link: https://www.amazon.in/Nilanjan-Dey/e/B01MSMZDF1/

Patents

1. "*An Image Feature Fusion Hardware System for Faster Convergence of Classification*", Application. No. 201831036280, Publication Dt. (U/S 11A) : 19/10/2018 (Applied)

Copyright

1. Do we need to revisit recovery period in computing mortality and recovery rates from any pandemic? L-93982/2020 (Accepted)

Recent Books

1. Dey, Nilanjan, and Amira S. Ashour. *Direction of Arrival Estimation and Localization of Multi-Speech Sources*, pp. 23-34. Springer, Cham, 2018.
2. Dey, Nilanjan, Amira S. Ashour, and Chintan Bhatt eds. *Internet of things and big data technologies for next generation healthcare*, Springer, Cham, 2017.
3. Dey, Nilanjan, Aboul Ella Hassanien, Chintan Bhatt, Amira Ashour, and Suresh Chandra Satapathy, eds. *Internet of Things and Big Data Analytics Toward Next-Generation Intelligence*. Springer, 2018.
4. Dey, Nilanjan, and Amartya Mukherjee. *Embedded Systems and Robotics with Open Source Tools*. CRC Press, 2016.
5. Dey, Nilanjan, and Amira S. Ashour. eds *Soft Computing Based Medical Image Analysis*, 2018.
6. Dey, Nilanjan, and Amira S. Ashour. eds *Classification in BioApps: Automation of Decision Making*, LNCVB, Springer, 2018.

Guest Editor (J.) :

***Journal of Internet Technology**, 20(3) [SCIE IF .75], "Special Issue for SICBS 2017", Co-editors - Peng, S.-L., Wang, S.-J. (2019)*

***Electronic**, MDPI [SCIE IF .75], , Special Issue "Low-power Wearable Healthcare Sensors", Co-editor – RS. Sherratt.(2019)*

***Journal of Medical Imaging and Health Informatics** Special issue on Machine Learning in Medical Imaging and Health,Vol8(4), [SCIE IF .549], Co-editors- NG. Nhu, DN Le. (2018)*

***Journal of Information and Knowledge Management**, 17(2),1802001, "Special Issue on Big Data", Co-editors- Bhatt, C., Balas, V.E.[Scopus] (2018)*

***International Journal of Intelligent Engineering Informatics**, Special Issue on: "Advances in Intelligent Big Data Analytics" , [Scopus], Co-editors- Dahiya, V. Bhatnagar (2018).*

***Informatica**, Special Issue on "End-user Privacy, Security, and Copyright issues", Vol41(1), [Scopus], S. Borra, SC. Satapathy (2017).*

***International Journal of Speech Technology**, [Scopus], Special Issue "Advances in Speech, Music and Audio Signal processing", Vol22(2), KC. Santosh, S. Borra, A. Joshi. (2019)*

Project (On-going)

Project Title: "GPU Accelerated MRI Brain Tumor Segmentation using memory-based learning approach" , Collaborative Research Scheme under TEQUIP III project at Aryabhatta Knowledge University,Patna, India, 3Lakhs, (Co-PI).

Awards/ Recognition

Top 10 most published academics in the field of Computer Science in India during the period of consideration 2015-17 during 'Faculty Research Awards' organized by Careers 360 at New Delhi, India on March 20, 2018.

As per Scopus Scholarly Output (2014-2019)- Asia-Pacific Ranking - 58 , India Ranking: 4 (in Computer Science) - India Ranking 13 (in Engineering)- (See - Sci-Val)

A Full List of more than 500 Publications can be found at GScholar /Researchgate/ Amazon

Contact

8447594037 (Home)
suneet.banda@gmail.com

www.linkedin.com/in/dr-suneet-gupta-b2458153 (LinkedIn)

Top Skills

Theoretical Computer Science
C
SQL

Certifications

Algorithmica ToolBox
Introduction to Big Data
BW on HANA
Python for Data Science
Python 101 for Data Science

Publications

GAR: an energy efficient GA-based routing for wireless sensor networks

A novel evolutionary approach for load balanced clustering problem for wireless sensor networks

Dr. Suneet Gupta

NVIDIA CERTIFIED INSTRUCTOR | DEEP LEARNING AND UI PATH PROFESSIONAL | ASSISTANT PROFESSOR at BENNETT UNIVERSITY

Noida

Summary

Presently I am working as Asst. Professor at Bennett University, Gr. Noida in Computer Science Engineering department. My current research interests are Deep Learning, Brain-Computer Interaction, Wireless Sensor Network, Internet of Things and Natural Language Processing. Presently I am working on a Wireless Sensor Network based project funded by Department of Science and Technology, Uttar Pradesh. I am also working as reviewer of many international journals i.e. Computer Network, Wireless Personal Communication, Information Science etc.

Experience

BENNETT UNIVERSITY
ASSISTANT PROFESSOR
June 2017 - Present (3 years 5 months)
GR. NOIDA

Academic
Asst. Professor
January 2005 - Present (15 years 10 months)

ABES Engineering College
11 months

Associate Professor
December 2016 - May 2017 (6 months)
Ghaziabad Area, India

Assistant Professor
July 2016 - November 2016 (5 months)
Ghaziabad Area, India

Education

Indian Institute of Technology (Indian School of Mines), Dhanbad
PhD, Computer Science and Engineering · (2012 - 2016)

DIT DEHRADUN
B.E. (CSE) · (1998 - 2002)

Contact

www.linkedin.com/in/vikrant-bhateja-4359191a4 (LinkedIn)
scholar.google.co.in/scholar (Other)

Vikrant Bhateja

Associate Professor (EC); Head (Academics & IQAC) at Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow 226016

Summary

Dr. Vikrant Bhateja is associate professor in Department of Electronics & Communication Engineering, Shri Ramswaroop Memorial Group of Professional Colleges (SRMGPC), Lucknow (U.P.) and also the Head (Academics & Quality Control) in the same college. He is doctorate in Bio-Medical Imaging & Signal Processing with a total academic teaching experience of 16 years with around 150 publications in reputed international conferences, journals and online book chapter contributions; out of which 18 papers are published in SCIE indexed journals. His areas of research include: digital image & video processing, computer vision, medical imaging, bio-medical signal processing and machine learning.
He has been instrumental in chairing/co-chairing around 15 international conferences in India as publication or TPC chair and edited 22 book volumes from Springer-Nature as a corresponding/ co-editor editor on date and currently five books are in press. He is presently Editor-in-Chief of IGI Global--International Journal of Natural Computing and Research (IJNCR) an ACM & DBLP indexed journal since 2017. He is associate editor in International Journal of Ambient Computing and Intelligence (IJACI)—Scopus & WoS indexed journal under IGI Global press. Recently, he has joined as section editor in Recent Patents on Engineering (indexed in Scopus and EI/Compendex) published by Bentham Science publishers.
He is also serving in the editorial board in couple of journals under Inderscience Publishers.

Dr. Vikrant has guest edited three Special Issues in reputed Scopus/ SCIE indexed journals--"Evolutionary Intelligence" and "Arabian Journal of Science and Engineering" under Springer-Nature. He has received the 'Certificate of Outstanding Contribution in Reviewing' for year 2016 and 2017 respectively in prestigious Elsevier journals like: AEUE, Measurements, Computer Methods and Programs in Bio-medicine.

Two of his conference papers have received "Best Paper Award" in International Conferences ICICT-2015 & ICTIS-2015. In 2016, his article published in Review of Scientific Instruments Journal (AIP Press) has been selected as "Editor-Choice" article of the issue. In January 2017, he has received the "Paper Presenter Award at International Conferences: 2015-16" at 51st CSI Annual Convention, Coimbatore. He is Senior Member of IEEE and has served in ExeCom of IEEE U.P. Section and also as Chair: IEEE Young Professional Affinity Group for Year-2016-17.

Experience

Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow
Head (Academics & IQAC)
October 2003 - Present (17 years 1 month)