VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY

Aushapur Village, Ghatkesar Mandal, Medchal District-501301

Research and Consultancy Cell

FACULTY INFORMATION RELATED TO RESEARCH for A.Y. 2020-21

Department of Information Technology

INFORMATION RELATED TO EXTERNAL FUNDED PROJECTS

List of External Funded Projects from State/Central Govt

Name of the Funding Agency	Title of the Project	Total Grant Sanctioned	Year of Sanction	Duration	Current Status	PI/CO-PI

List of External Funded Projects from Industry

Name of the Industry	Title of the Project	Amount Sanctioned	Year of Sanction	Duration	Current Status	PI/CO-PI

List of STTPs/FDPs/Training Programs/Conferences funded by AICTE/DST/CSIR/UGC/Any other

Name of funding agency	Scheme	Amount Sanctioned	Year of Sanction	Duration	Current Status

INFORMATION RELATED TO PUBLICATIONS/PATENTS/AWARDS

List of Publications indexed in Scopus/SCIE/ESCI/ASHI/ADBC

S.No	Indexing	Title of the paper	Name of the author	Title of the journal	Year of publication	Impact Factor	Citation Index (Scopus/WoS Index)	Vol No, Issue and P. Nos	Total citations	Total citations excluding self-citations	DOI
1	SCOPUS	Secure Energy Efficient Attack Resilient Routing in Wireless Sensor Network	Mr.M.Venkateswara Rao	TEST Engineering and Management	2020			Vol. 83: May/June 2020 Page No. 15915 – 15924			DOI:10.14569/IJACSA.2021.0120263
2	Scopus & ESCI	Query processing over secure perturbed data over hybrid cloud	Sridhar Reddy Vulapula	International Journal of Intelligent Unmanned Systems	2020	1.55		ISSN: 2049-6427 2049-642728 December 2020			
3	Scopus & ESCI	Attribute-Based Encryption for Fine-Grained	Sridhar Reddy Vulapula	(IJACSA) International Journal of Advanced Computer Science	2020	1.3		Vol. 11, No. 10			

		Access Control on Secure Hybrid Clouds		and Applications							
4	SCOPUS	Analysis On Human Activity Recognition Using Machine Learning Algorithm And Personal Activity Correlation	Bhagya Rekha Sangisetti	Psychology and Education Journal	2021/2/10	0.2		Vol 58 No:2	1		https://doi.org/10.17762/pae.v58i2.3003
5	SCOPUS	Hybrid Cloud Security Measures and Research Challenges	V.AMBICA	Turkish Journal of Computer and Mathematics Education	**2021**	**0**.1		Vol.12 No.10 (2021), 3578-3585			https://doi.org/10.17762/turcomat.v12i10.5043
6	SCOPUS	Smart Accident Detection and Traffic Alerting System	Dr.V.Deepika	IJAST	**2021**						

7	SCOPUS	Automatic Crop Protection from Heavy Rainfall and Preserving Rain Water	Dr.V.Deepika	IJAST	2021					

Publications in International Conference Proceedings

S.No.	Name of The Faculty	Title of the paper	Name of the Conference	Organization Name	Dates of the conference	Page.Nos	Whether Indexed in Scopus/ SCI (Yes/No)
1.	B.Manju Latha	An ensemble model for predicting chronic diseases using machine learning algorithms	4th International Conference on Smart Computing and Informatics	Vasavi College of Engineering	9-10th October 2020	337-345	SCOPUS
2	K.Sowmya	Building a Language Data Set in Telugu Using Machine Learning Techniques to Address Suicidal Ideation and Behaviors in Adolescents	International Conference on Advances and Applications of Artificial Intelligence and Machine Learning	Sharda University Uttar Pradesh, Greater Noida.	29th and 30th October, 2020	1456-1459	SCOPUS

Publications in National Conference Proceedings

S.no.	Title of the paper	Name of the Conference	Organization Name	Dates of the conference	Page.Nos	Whether Indexed in Scopus/ SCI (Yes/No)

Publications in Book Chapters

S.No.	Title of the Chapter	Title of the Book	Publisher	Date and Year	ISBN Number	Whether Indexed in Scopus/SCI (Yes/No)

Publications in Books

S.No.	Title of the Book	Publisher	ISBN Number	Date and Year	Whether Indexed in Scopus/SCI (Yes/No)	Image of Cover Page as a proof is to be attached below

Patents

S.No.		Patent Details	Patent status Filed/Published/ Granted	Patent Number	Date of Award
1	**Dr. V. Sridhar Reddy**	"LNUM-Human Immune Detection System"	Filed	202041051429	26 Nov 2020

Consultancy Activities

S.No.	Name of the Consultancy project	Date of receiving the project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

National/International Collaborations

S.No	Name of the Collaborator(s)	Collaborating Organization	National/International	Academia /Industry	Duration with dates	Nature of Collaboration (Publications/Projects/Consultancy/Others)

Awards

S.No.	National/ International	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
1.	International	Dr. V.Deepika	Leading Educationist of India	June 2020	DK International Research Foundation (DKIRF)
2.	International	Bhagya Rekha Sangisetti	CSIR -SRTP -Grade "A"	August-2020	CSIR-NEIST
3	National	B. Manjulatha	5 years instructor service award	2021	Cisco Networking Academy

INFORMATION RELATED TO PhD GUIDANCE/RESOURCE PERSON/REVIEWER RESPONSIBILITIES

PhD Guidance

Name of the Faculty	Name of the Student	Name of the Supervisor from the Parent Institute	Collaborating Institute	Title of the Research	Year of Registration

Resource Person for Outside VBIT Programs/Events

Name of the Program	Name of the Faculty	Local/State/National/International	Name of the Institute	Title of the talk	Date and Year
One Week FDP on Cyber Security	Dr. Deepika	National	Sreenidhi Institute of Science & Technology, Ghatkesar	Cyber Security	28th September to 3rd October 2020

Reviewer Responsibilities (Scopus/Web of Science)

Name of the Faculty	Journal Name	Publisher	Indexing (Scopus/Web of Science)
Dr. V.Deepika	Journal of 3D Research	Springer	Scopus, Web of Science
Dr. V.Deepika	Journal of Information Technology Education: Research (JITE: Research)	Informing Science Institute	Scopus, Web of Science
Sridhar Reddy Vulapula	International Journal of Intelligent Unmanned Systems	Inderscience Publishers	Web of Science/ Scopus
Sridhar Reddy Vulapula	International Journal of Pervasive Computing and Communications	Inderscience Publishers	Web of Science/ Scopus
Bhagya Rekha Sangisetti	Journal of Network and Computer Applications	Elsevier	Scopus,Web of Science
B. Manjulatha	Journal of Big Data	Springer	H-Index:35

INFORMATION RELATED TO PROGRAMS ORGANIZED/PROGRAMS ATTENDED

Events/Programs Organized

S.No.	Name of the Faculty	Conference/FDP/STTP/Workshop/Training Program/Seminar/Webinar/Guest Lecture/Industrial Visit/Virtual Visit	Local/State/National/International	Name of the Program	Date and Year
1.	Dr. M. Venkateshwara Rao	Guest lecture	Local	Data Science with R	28th January, 2021
2	Dr.V.Deepika	Webinar	Local	Four Quadrants of Teaching	23rd May, 2021
3	Dr. V. Deepika	Webinar	Local	Four Quadrants of Teaching	23rd May, 2021
4	Mrs. Pesaru Swetha	A three day International virtual workshop	International	Artificial Neural networks and variants: Theory and Practice	24-09-2020 to 26-09-2020
5	Mrs. Ambica	Training	VBIT(II Yr IT-A&B students)	CISCO -CCNA -Module I	17th to 29th May 2021
6	Mrs. B. Manjulatha	Training Program	Local	CCNA-Introduction to Networks	17-29th May 2021
7	Mr.M.Venkateswara Rao	Webinar	Local	Webinar on "Machine Learning"	25th jun 2020
8	Mr.M.Venkateswara Rao	Webinar	Local	webinar on " A Novel approach to handle Geo-Spatial Exertion using remote sensing applications and work stations"	27 jun 2020
9	Mr.M.Venkateswara Rao	Webinar	Local	webinar on "Digital transformation in data-intensive world- the way forward	26 jun 2020
10	Mrs.Ambica,Sowmya,Manjulatha	Quiz	National	National Level Online Quiz on "Information Security	2nd July 2020 to 8th July
11	Dr.V.Srdihar Reddy	Quiz	Natinal	National Level Online Quiz on"computer Networks	20th July to 30th July
12	Dr.V.Srdihar Reddy	Webinar	Local	Webinar on Understanding Cloud Computing"	8th July 2020
13	Mr.M.Venkateswara Rao	Webinar	Local	Webinar on "Python Programming"	11 th July 2020

Events/Programs Attended (During Lockdown)

Name of the Faculty	Conference/FDP/STTP/Workshop/Training Program/Seminar/Webinar/Guest Lecture/Industrial Visit/Virtual Visit	Local/State/National/International	Total Programs (Number)	Date and Year
Dr. M. Venkateshwara Rao	FDP	Local	MOODLE – LEARNING MANAGEMENT SYSYTEM	15-06-2020 TO 20-6-2020
	FDP	Local	COMPUTER VISION USING CONVOLUTION NETURAL NETWORKS	08-06-2020 TO 10 -06-2020
	FDP	Local	DATA SCIENCE USING PYTHON	24-06-2020 TO26-06-2020
	FDP	Local	RECENT TRENDS IN COMPUTER TECNOLOGY	11-06-2020 TO 13-06-2020
	FDP	Local	COMPUTER ESSENTIALS IN EDUCATION	03-06-2020 TO 06-06-2020
	FDP	Local	MOBILE ADHOC NETWORKS	11-06-2020 TO 13-06-2020
	FDP	Local	CYBER SECURITY	22-06-2020 TO 26-06-2020
	FDP	Local	MOODLE LEARNING MANAGEMENT SYSTEM	15-06-2020 TO 20-06-2020
	WEBINAR	Local	RECENT TRENDS IN WIRELESS SENSOR NETWORKS	10-07-2020
	WEBINAR	Local	ASPIRE – PLAN – EXECUTE – ACHIEVE (A LIFE CHANGING WEBINAR ON GOAL	10-06-2020

			SETTING)	
	WEBINAR	Local	AWARENESS ABOUT CARE AND ADVANCE PYTHON	23-06-2020 & 24-06-2020
	WEBINAR	Local	THE CURRENT AND FUTURE STATE OF THE CLOUD	11-06-2020
	WEBINAR	Local	IMPORTANCE OF STUDENTS AND YOUNG PROFESSIONAL IN IEEE	11-06-2020
Dr. V. Deepika	FDP	National	Advanced Research Methodology & Innovative Teaching Pedagogy	8-13 June 2020
	FDP	National	RECENT TRENDS IN DATA SCIENCE AND INFORMATION SECURITY	22-26 June 2020
	FDP	National	Introduction to Data Mining and Machine Learning	9-15 July 2020
	FDP	National	Practical Cyber Security	13-17 July 2020
	FDP	National	CCMA'20 : CLOUD COMPUTING WITH MICROSOFT AZURE	22-29 July 2020
	FDP	National	Gamification	18-22 Jan 2021
	FDP	National	Digital Teaching Techniques	07 Dec 2020 to 12 Dec 2020.
	FDP	National	Data Science: Unfolding Layers of Knowledge (Phase IV)	14-19 December, 2020

	WEBINAR	National	VIRTUAL INTERACTIVE CLASSROOM FOR TEACHERS AND THE CHALLENGING TECHNOLOGIES IN Post Covid-19 Era	05-06-2020
	WEBINAR	National	IEEE : Fueling the Fourth Industrial Revolution	12th June 2020
	WEBINAR	National	AI GETTING USED IN IMPACT OF COVID-19	14th June 2020
	WEBINAR	National	COVID-19 IMPACT ON INDUSTRIES IN INDIA	18th June, 2020
	WEBINAR	National	DATA ANALYST: The Booming Technology In IT	5th July, 2020
	WEBINAR	National	DATA ANALYTICS EMPOWERING FINANCE & MANAGEMENT	23rd July, 2020
	WEBINAR	National	CAREER AGILITY AND PROGRESS – A BRIEF INSIGHT	28th July, 2020
	WEBINAR	National	IOT 2020 Challenges	30th July, 2020
	WEBINAR	International	opportunities and challenges for AI	4th aug 2020
	WEBINAR	International	Machine Learning in SPARK Framework	7th August 2020
	WEBINAR	International	Design with security and ethics	22nd August 2020
	SUMMIT	International	AWS Public Sector Summit Online	30th June, 2020
	SUMMIT	International	AWS Data, Databases, and Analytics Online Series	9-10 July 2020
	SUMMIT	International	AWS Innovate AI/ML Edition	24-Feb-21

Dr. V. Sridhar Reddy	Conference	International	4th International Conference on Emerging Trends in Arts, Science, Engineering & Technology (ICETASET-2020)	28th June 2020
	FDP	LOCAL	Moodle Learning Management System,	15-06-2020 to 19-06-2020
	FDP	LOCAL	Cyber Threats and Ethical Hacking	29-06-2020 to01-07-2020
	FDP	LOCAL	Cloud Computing with AWS	30-06-20202 to 04-07-2020
	FDP	LOCAL	Free and open source Alternative for Web Conferencing and Teaching Learning	15th and 16th July 2020
	FDP	LOCAL	Introduction to Web Development	17-07-2020 to 19-07-2020
	Webinar	LOCAL	Digital Forensic Tools and Scope of Research and Challenges	08-06-2020 to 10-06-2020
	Webinar	LOCAL	An Insight in to Industry and Need for Staying Relevant	17-06-2020
	Webinar	LOCAL	Digital Literacy for Improving Class room Dynamics	10-06-2020
	Webinar	LOCAL	IOT for Beginers	25-06-2020 to 26-06-2020
	Webinar	LOCAL	Automotive Infotainment System	15-07-2020

	Webinar	LOCAL	Importance of Data analytics as a career and opportunities for various stream	15-07-2020
Mrs. Pesaru Swetha	FDP	LOCAL	Computer Vision using Convolutional Neural Networks Anurag University and Blackbuck	8-6-2020 to 10-06-2020
	Webinars		3	
Mrs. Bhagya Rekha	FDP	LOCAL	Recent Trends in Computing Nalla Malla Reddy Engineering College	5-06-2020 to 10-06-2020
	FDP	LOCAL	Cyber Security Sreyas Institute of Engineering and Technology	19-6-2020 to 24-6-2020
	FDP	LOCAL	"BLOCK CHAIN TECHNOLOGY" Keshav Memorial Institute of Technology	12-6-2020 to 13-6-2020
	FDP	LOCAL	Computer Vision using Convolutional Neural Networks Anurag University and Blackbuck	8-6-2020 to 10-06-2020
	Webinar	Local	Yoga Utsav E-Work shop, St.Marys centenary degree college	20-6-2020
	Webinar	Local	Big Data Analytics-Hadoop, Siddhartha Institute of Engineering and Technlogy	17-6-2020
	SRTP	CSIR-SRTP	CSIR SUMMER RESEARCH TRAINING PROGRAM	July-august-2020
Mrs. Indira Priyadharshini	FDP	Local	Recent Trends in Computational Technologies	13-07-2020 to 18-7-2020
	Webinars	Local	Applied Deep learning, some of the concepts of deep learning like Tensor flow, PyTorch, Neural Networks, Deep	14-06-2020

Mrs. Y Srividya	FDP	State	Women in Cyber Security and Privacy	06-07-2020 to 10-07-2020
	FDP	State	Data Sciences	21-09-2020 to 25-09-2020
	FDP	State	Artificial Intelligence	14-09-2020 to 18-09-2020
Mrs. Ambika	FDP	LOCAL	Cybersecurity	14/5/2020 to 18/05/2020
	FDP	LOCAL	PHP & MySql	18-5-2020 to 23-05-2020
	FDP	LOCAL	Block chain Technologies	19-5-2020 to 23-5-2020
	FDP	LOCAL	Cyber Security	14-5-2020
	FDP	LOCAL	Internet of Things(IoT)	28-05-2020 to 30-05-2020
	FDP	LOCAL	Developing Python GUI Application using PyQt5	25-5-2020 to29-05-2020
	FDP	LOCAL	Artificial Intelligence and Machine Learning	18-05-2020 to 22-05-2020
	Webinars	LOCAL	"Raspberry Pi-An IoT Magic Box- Introduction &Applications"	13th June 2020
Mrs. B. Manjulatha	FDP	LOCAL	Data Sciences	09-06-2020 to 13-06-2020
	FDP	LOCAL	" Arduino"	12.06.2020 to 17.06.2020
	FDP	Local	Marine Robotics-It's Design And Applications	13-06-2020
	FDP	Local	Internet of Things (IoT) for Beginners	25 th & 26 th of June 2020
	Webinar	LOCAL	AI getting used in impact of Covid-19	14th June,2020
	Webinar	LOCAL	Machine Learning	16-06-2020

	FDP	Local	Introduction to Web Development"	17-07-2020 to 19-07-2020
Mrs.K.Sowmya	Webinar	Local	Virtual Interactive Classroom for Teachers and The Challenging Technologies in post COVID-19 Era	5th June,2020.
	Webinar	Local	Research Article Writing and Publishing in Good impact Journal	13th June,2020.
	Webinar	Local	AI getting used in impact of COVID-19	14th June,2020.
Mr. K. Venkat Reddy	FDP	State	Recent trends in data science and information security	22nd june to 26th june 2020
	FDP	State	Machine learning and Data science for engineering applications	5th june-10th june 2020
	FDP	State	Significance of online learning tools post covid 19	12-06-2020 to 13-06-2020
	webinars	State	Online teaching management tool	6th july 2020

ANY OTHER SPECIAL RECOGNITIONS/ACHIEVEMENTS

Mention any other achievements/recognitions/special mentions if any. (Dr. M. Venkateshwara Rao)

Completed coursera course on Capstone: Retrieving, Processing, and Visualizing Data with Python

Mention any other achievements/recognitions/special mentions if any. (Dr. V. Deepika)

- AWS Academy Accredited Educator.

- AWS Certified Cloud Practitioner

- AWS Certified Solutions Architect Associate

- Completed 7 Coursera courses

- Certified with Elite in NPTEL Online Certification Course Introduction to Internet of Things, organized by IIT Kharagpur.

- Certifiedwith Elite in NPTEL Online Certification Course Ethical Hacking, organized by IIT Kharagpur (funded by the ministry of HRD, Govt. of India).

- Reviewer Board Member, International Conference on Innovation in Electronics and Communication Engineering (ICIECE), Springer held at Guru Nanak Institutions, Hyderabad in 2019 and 2018.

- Associate Reviewer, Informing Science Institute (ISI) Conferences I^{n}SITE 2021, 2020, 2019, 2018, 2017 and 2016 held at abroad.

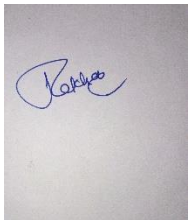**Membership of Professional Bodies: (Dr. V. Deepika)**

- Life Member, Indian Society for Technical Education (ISTE)

- Life Member, Computer Science Teachers Association (CSTA)

- Life Member, International Association of Computer Science and Information Technology (IACSIT)

- Life Member, International Association of Engineers (IAEng)

- Life Member, Asian Council of Science Editors (ACSE)

- Life Member, International Association for Science and Technical Education (IASTE)

Mention any other achievements/recognitions/special mentions if any. (Mrs. Pesaru Swetha Reddy)

- **Member of ACM,**
- **Worked as WiE Vice chair for Hyderabad Deccan ACM chapter for the year 2020.**
- **Working as Membership Development chair for Hyderabad Deccan ACM chapter for the year 2021.**
- **Certified by NPTEL in the subjects Data mining and programming in JAVA.**

Mention any other achievements/recognitions/special mentions if any. (Mr. K. Venkat Reddy)

- ✓ Completed Programming for Everybody (Getting Started with Python). On behalf of University of Michigan and Coursera

- ✓ Completed Blockchain Basics from coursera
- ✓ CompletedAWS Fundamentals: Going Cloud-Native from coursera

Research Coordinator   **Head of the Department**