



VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY (AUTONOMOUS)

(Approved by AICTE - New Delhi & Affiliated to JNTUK, Kakinada)
Beside VSEZ, Duvvada, Vadlapudi Post, Gajuwaka, Visakhapatnam - 530 049.

3.7.1 Copies of collaboration/related documents indicating the nature of collaboration and activities year-wise during the year 2020-2021

Summary Sheet

| Title of the collaborative activity | Name of the collaborating agency with contact details | Nature of the activity |
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| Internship training program and project works | Robo Coupler PVT LTD, IT Sez, Rushikonda, Ph: 081426 78901 | Internship |
| Industrial training on computer-aided engineering, mechatronics, electrical and automation | Centre of Excellence in Maritime and Shipbuilding (CEMS), Phone : 91 891 270 4010 | Internship |
| Internship on Embedded systems (AVR Micro controllers, SOC , PCB Designing, Testing Boards and other electronic related technologies) | ELECTROPRO, Advance Research Centre VIIT Mobile : 8520035963 | Internship |
| SLD design & Auto CAD drawings of Buildings | AEP CERTIFICATION, Level 7, Maximus Towers, Building 2A, Mindspace Complex, Hi-Tech City, Hyderabad, 500081 India. Tel: +91 40 40339633 | Internship |
| Internship training on Embedded Systems, IOT and Raspberry pi | Teck Team Solutions, Phone: 097012 82616 | Internship |
| Internship TTEC Digital Analytics India LLP | TTEC Digital analytic india LLP, Phone +91-79-2656-9828 | Internship |
| Various activities in manufacturing, manual and software testing | Candela Technologies India Pvt Ltd , Mobile number 6305846520 | on-the-job training |
| Design and verification (DV) Internship | SION Semiconductors Private Limited, Phone: | Internship |

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| | 077605 04602 | |
| Skil.AI – Node JS Trainee | Kairos Technologies, Phone: 040 4018 0222 | Internship |
| Internship in chandra labs | Chandra LABS PVT.LTD Phone : 040 4011 3413 | Internship |
| Internship in SAMEER Visakhapatnam | SAMEER Visakhapatnam, Phone: (+91-891) 2867606 | Internship |
| Embedded Systems and Instruementation | DRDO NSTL, Phone: 0891-2586100 | Internship |
| CNC and special purpose machine activities | DRDL-DRDO, Phone:040-24583154 | Internship |
| Design and analysis of compression interstage knock out drum | AEP Certification, Garuda 7G Engineerin Solutions LLP , Phone : 9948125269 | Internship |
| Design ,detailing and Analys of AES -Heat Exchanger | AEP Certification, Garuda 7G Engineerin Solutions LLP , Phone : 9948125269 | Internship |
| Designand Analysis of BKU type Heat Exchanger | AEP Certification, Garuda 7G Engineerin Solutions LLP , Phone : 9948125269 | Internship |
| Design and analysis of compression interstage knock out drum | AEP Certification, Garuda 7G Engineerin Solutions LLP , Phone : 9948125269 | Internship |
| Internship at Hobel Bellows | Hobel Bellows, Phone : 891 2704001 | Internship |
| Design and Simulation of Counter flow Heat Exchange using Helical flow Ducts | Jami Hydraulics Pvt.Ltd, Phone : 9951045333 | Internship |
| Design and Fabrication of Plate Tyte Heat Exchanger | Jami Hydraulics Pvt.Ltd, Phone : 9951045333 | Internship |
| Internship on Production Department | Pearl Beverages , Phone : 9010202522 | Internship |
| DESIGN & STRUCTURAL ANALYSIS OF AIR RECIEVER TANK | Press Weld Equipments Private Limited, Phone : 98490 16217 | Internship |
| Study on Material Inspection of Cast Iron and low Carbon Steel work Piece | Uniparts Private Limited, Phone: 8924286535 | Internship |
| Study of different Maching process and Fabrication of Rear Lifting Assembly in NPD | Uniparts Private Limited, Phone: 8924286535 | Internship |
| Process Management | Worldwide Diamond Group Manufacturers Pvt. Ltd , Phone : 8912587507 | Internship |
| Activities and technologies relating to 3D printing | Think -3D, Phone : 8142896564 | Internship |

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| Internship in Portable Mechanical Ventilator | Kalam Institute of Health Technology (KIHT),C/o AMTZ Campus,Phone: 91 8885092122 /33 | Student Exchange |
| Non-chemical and non-contact sanitization chamber | Kalam Institute of Health Technology (KIHT),C/o AMTZ Campus,Phone: 91 8885092122 /33 | Student Exchange |
| Antimicrobial Air purifier, BIPAP/CPAP Ventilator | Kalam Institute of Health Technology (KIHT),C/o AMTZ Campus,Phone: 91 8885092122 /33 | Student Exchange |
| Sanifit- UY-C band sanitizing smart watch | Kalam Institute of Health Technology (KIHT),C/o AMTZ Campus,Phone: 91 8885092122 /33 | Student Exchange |
| Onboarding Upfront Image Card And Catalog Card To BNP | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| Remote Device Support (EzVirtual + Farview) | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| Equipment Mapping Project | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| Perfect Mile Data Engineering | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| Operational and Tech Improvement | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| SDP-RE ARCHTECTURE REBNI-AUTOMATION | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| CoRo Automation (PROJECT-T) | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| BOTTLENOSE SCENARIOS FOR AMAZON REDSHIFT | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| DEP EKS One Click Cluster Upgrade | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| WIN- SSM Resolving Patch Manager | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| WIN- Amazon Workspaces OS Performance Analysis Tool | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |
| | AMAZON Development Center India Pvt Ltd Bangalore, +91-80-3007 1031 / 33 | on-the-job training |

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| Bottlenose: Updating Log streams in AmazonMQ | AMAZON Development Center India Pvt Ltd Banglore, +91-80-3007 1031 / 33 | on-the-job training |
| ANA - Bottlenose Scenarios | AMAZON Development Center India Pvt Ltd Banglore, +91-80-3007 1031 / 33 | on-the-job training |
| DEP EKS One Click Cluster Upgrade | AMAZON Development Center India Pvt Ltd Banglore, +91-80-3007 1031 / 33 | on-the-job training |
| Internship at Codespeedy technologies | CODESPEEDY TECHNOLOGIES, West Bengal, DIN Number: 08380596 | Student Exchange |
| Internship at Eunoia technologies | EUNOIA TECHNOLOGIES, IT PARK, Visakhapatnam, +91 7702777415 | on-the-job training |
| Cloud Operations | HITACHI Consulting Software Services India Private Limited, Hyderabad, +91 40 4034 3000 | on-the-job training |
| ITMS - Integrated Traffic Management System | IBI GROUP INDIA PRIVATE LIMITED Gurgaon (Haryana), +91 124 4840700 | on-the-job training |
| NSpace - Power your Workplace | IBI GROUP INDIA PRIVATE LIMITED Gurgaon (Haryana), +91 124 4840700 | on-the-job training |
| CurbiQ- Understand, manage, and optimize your curbside | IBI GROUP INDIA PRIVATE LIMITED Gurgaon (Haryana), +91 124 4840700 | on-the-job training |
| RESIDUAL BILLING APPLICATION | IBM India Private Limited Bangalore, 91-80- 49139999 | on-the-job training |
| Global Logistics Information Warehouse | IBM India Private Limited Bangalore, 91-80- 49139999 | on-the-job training |
| Voyager's Dream tours and travels Robust Reports Generation | INFOSYS Mysore, Karnataka, 0821-240 4101 | on-the-job training |
| Exploratory Analysis of Voyager's Dream Tours and Travel Agency | INFOSYS Mysore, Karnataka, 0821-240 4101 | on-the-job training |
| Sentimental analysis for Hotel Booking | INFOSYS Mysore, Karnataka, 0821-240 4101 | on-the-job training |
| Reports for online book store | INFOSYS Mysore, Karnataka, 0821-240 4101 | on-the-job training |
| Paid media marketing | MERKLE SOKRATI Technologies Pvt Ltd,Pune, 020-66250000 | on-the-job training |
| Design and developed Service-proxy using micronaut framework | OPENPRISE Technologies Pvt Ltd,West Godavari District, Andhra Pradesh, pin: 534451 | on-the-job training |
| Large Enterprise Custom Solution (LECS) Platform Team | PAYPAL India Private Limited,Hyderabad - 500084 | on-the-job training |

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| Simility Match Auth and Capture tool | PAYPAL India Private Limited,Hyderabad - 500084 | on-the-job training |
| QRP Test Automation | QVANTEL Software Solutions Ltd,Hyderabad, +91 - 40 - 39390405 | on-the-job training |
| Transactional Document Management System and Message Manager | QVANTEL Software Solutions Ltd,Hyderabad, +91 - 40 - 39390405 | on-the-job training |
| TALITRIX | SIGNITIVE Towers Pvt Ltd,Rushikonda, Visakhapatnam, +91 9989978955 | on-the-job training |
| Involved in project testings based on sql and java | SIGNITIVE PVT LIMITED :7989742636 | Student Exchange |
| Lifetime Service Studio web app | Sureify Labs Technology Pvt Ltd,Hyderabad, Telangana, +91 77993 07999 | on-the-job training |
| Internship at uncompliance solutions | UNCOMPLIANCE SOLUTIONS PVT LTD,West Godavari District, Andhra Pradesh - 534451 | on-the-job training |
| Internship at wiley mthree | WILEY MTHREE,Banglore, 080-2312 4319 | Student Exchange |
| Software Intern | KPMD SOFTWARE SOLUTIONS PVT LIMITED | Student Exchange |
| Completed training in AWS Cloud foundation and support | HITACHI VANTARA :040 3023 3000 | Student Exchange |
| Supply Chain – Digital Twin | Tata Consulting Services,Chennai, +91 44 66162222 | on-the-job training |
| Remote Internship under accelerator brand on the project | Tata Consulting Services,Chennai, +91 44 66162222 | Student Exchange |
| Apprenticeship training in engineering department | G.V.M.C- 7095439580 | Project work |
| Apprenticeship training in engineering department under site engineer | Vijay Nirman Company Pvt.Ltd- 08912575755 | Project work |
| Internship program for structural drafting and engineering | Morrison hershfield India LLP- 9891870200 | Project work |
| Apprenticeship training in engineering department under the site engineer | SVS Projects- 040-22224444 | Project work |
| Project work at D.B. Poer limited | D.B.Poer Limited- 7389912699 | Project work |
| Project work at mannan design group | Mannan Design Group- 7075773110 | Project work |
| Constructions skills under the guidance of deapatment engineers | VMRDA- 9959020931 | Project work |
| Apprenticeship training in engineering department under the site engineer | Anmol Constructions- 095902 16216 | Project work |
| Constructions skills under the guidance of deapatment engineers | NTPC Simhadri- 9989007679 | Project work |

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| Activities related to ready mix concrete | Engineering Concrete India Pvt.Ltd- (040) 24786099 | Project work |
| Involved in projects at construction sites | ASCENT Consultancy-9885194996 | Project work |
| Apprenticeship training in civilengineering department at vax consultants | Vax Consultants- 08912577422 | Project work |
| Ground improvement techniques | Saritha Infra Geostructures- 9493205193 | Project work |
| Apprenticeship training in engineering department Vasantha Engineering Works | Vasantha Engineering Works- 8367776513 | Project work |
| Investigation on turning process performance using hybrid-textured tools under dry and conventional cooling environment | Sivaiah, P, Madanapalle Institute of Technology Science, Madanapalle, Andhra Pradesh, India | Research exchange |
| Multi objective optimization of the tribological responses of cermet and alloy based blended coatings using response surface methodology coupled with principal component analysis | Shabana, GIT, GITAM University, Visakhapatnam, India | Research exchange |
| Ferromagnetic Bismuth-Substituted CeO ₂ Nanostructures and Prevalence of Antiferromagnetic Clusters | Alla, S.K., Indian Institute of Technology (BHU), Varanasi, 221005, India | Research exchange |
| Clustering And Indexing Of Multiple Documents Using Feature Extraction Through Apache Hadoop On Big Data | Varadarajan, V., The University of New South Wales, Australia d Chief Executive, Briteyellow Ltd, United Kingdom | Research exchange |
| Precision Measurements of Internal Conversion Coefficients of Low Energy Transitions in ¹⁶⁹ Tm for Efficiency Calibration of Electron Detectors | Sai, K.V., Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam, India | Research exchange |
| Particulate-Reinforced Tungsten Heavy Alloy/Yttria-Stabilized Zirconia Composites Sintered Through Spark Plasma Sintering | Muthuchamy, A., VIT Vellore, Vellore, Tamil Nadu 632 014, India | Research exchange |
| Clinical model machine learning for gait observation cardiovascular disease diagnosis | Karthikeyan, T., University of Technology and Applied Sciences, Muscat, Oman | Research exchange |

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| Prediction and forecasting of persistent kidney problems using machine learning algorithms | Bhattacharyya, D., K L Deemed to be University, KLEF, Guntur, 522502, India | Research exchange |
| Object detection using machine learning for visually impaired people | Mandhala, V.N, Koneru Lakshmaiah Education Foundation, Guntur, Vaddeswaram, AP, India | Research exchange |
| Identification of parasite presence on thin blood smotch images | Mandhala, V.N, Koneru Lakshmaiah Education Foundation, Guntur, Vaddeswaram, AP, India | Research exchange |
| Excellent catalytic activity of ethylenediamine stabilised oxalate ligated aluminium coordination complex for synthesis of novel benzoquinolines | Jonnalagadda, S.B., University of KwaZulu-Natal, Westville Campus, Private Bag X54001, Durban, 4000, South Africa | Research exchange |
| A study on the catalytic behaviour of Cd(II) and Sm(III) coordination complexes towards the four-component synthesis of quinoline-3-carboxylates | Jonnalagadda, S.B., University of KwaZulu-Natal, Westville Campus, Private Bag X54001, Durban, 4000, South Africa | Research exchange |
| Severe plastic deformation of AA 5083 and copper bimetallic metal | Gurugubelli, S.N, Department of Metallurgical Engg., JNTUK-UCEV, Vizianagaram, 535003, India | Research exchange |
| Optimal response of half car vehicle model with sky-hook damper using LQR with look ahead preview control | Narayanan, S, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai, 600 127, India | Research exchange |
| Substrate temperature influenced ZrO ₂ films for MOS devices | Kondaiah, P., Department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore, India | Research exchange |
| Synthesis and anticancer activity of novel pyrazolo[4',3':5,6]pyrano[2,3-d] pyrimidin-5(2H)-one derivatives | Gorle, S., GITAM Institute of Sciences, GITAM University, Visakhapatnam, Andhra Pradesh, India | Research exchange |

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| Hybridization of firefly and Improved Multi-Objective Particle Swarm Optimization algorithm for energy efficient load balancing in Cloud Computing environments | Devaraj, A.F.S., Department of Computer Science and Engineering, Kalasalingam Academy of Research and education, India | Research exchange |
| Optimization of number of base station antennas in downlink massive MIMO and analysis of imperfect channel state information by perfection factor | Chennupati, S.K, GITAM University, Visakhapatnam, India | Research exchange |
| Privacy preserving blockchain technique to achieve secure and reliable sharing of IoT data | Le Nguyen, B., Faculty of Information Technology, Duy Tan University, Da Nang, 550000, Viet Nam | Research exchange |
| Investigations on multi-sheets single point incremental forming of commercial pure titanium alloys | C, R., Department of Mechanical Engineering, College of Engineering, Trivandrum, Kerala, India | Research exchange |
| A robust and accurate video watermarking system based on svd hybridation for performance assessment | Raju, K., Narasaraopeta Engineering College, Narasaraopet, Guntur, AP, India | Research exchange |
| Enhanced dielectric and magnetic properties in Mn-doped bismuth ferrite multiferroic nanoceramics | P.S.V.S., Department of Physics, Andhra University, Visakhapatnam, 530003, India | Research exchange |
| Optimal transmit power allocation for maximizing the channel capacity and sinr in mu-mimo system using dirty paper coding | Chennupati, S.K, GITAM - Gandhi Institute of Technology and Management (Deemed to be University), Visakhapatnam, India | Research exchange |
| Deep learning with LSTM based distributed data mining model for energy efficient wireless sensor networks | Mohanty, S.N., Department of CSE, Faculty of Science and Technology, IFHE Hyderabad, India | Research exchange |
| Enhancement of voltage regulation using a 7-level inverter based electric spring with reduced number of switches | Kesava Rao, G., Department of Electrical and Electronics Engineering, KL Deemed to be University, India | Research exchange |

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| Optimal response of half car vehicle model with sky-hook damper based on LQR control | Narayanan, S, Department of Mechanical Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai, 600 127, India | Research exchange |
| Charismatic Document Clustering Through Novel K-Means Non-negative Matrix Factorization (KNMF) Algorithm Using Key Phrase Extraction | Krishna Kumar, P, Department of Computer Science and Engineering, V V College of Engineering, Tuticorin District Tamil Nadu, India | Research exchange |
| Passive suspension optimization of a quarter car using preview control with the spectral decomposition method | Rao, N.M., Department of Mechanical Engineering, Jawaharlal Nehru Technological University, Kakinada, A.P, India | Research exchange |
| Structural and electrical properties of Nd ³⁺ doped ferroelectric barium sodium niobate ceramics | Ramesh, S., School of Technology, GITAM University, Bengaluru, India | Research exchange |
| Damage assessment of low to mid rise reinforced concrete buildings considering planner irregularities | Sil, A., Civil Engineering Department, National Institute of Technology Silchar, Silchar, India | Research exchange |
| Implemented modified dijkstra's algorithm to find project completion time | Ravi Shankar, N., Department of Mathematics, Gitam Institute of Science Gitam Deemed To Be University India AP 530045, India | Research exchange |
| Influence of Parthenium Hysterophorus and Impomea Pes-caprae Fibers Stacking Sequence on the Performance Characteristics of Epoxy Composites | Raghunathan, V, Department of Production Engineering, National Institute of Technology, Tiruchirappalli, Tamil Nadu, India | Research exchange |
| High gain switched beam Yagi-Uda antenna for millimeter wave communications | Aylapogu, P.K, Department of Electronics and Communication Engineering, Vardhaman College of Engineering, Hyderabad, India | Research exchange |
| Kantowski-sachs universe with dark energy fluid and massive scalar field | Raju, K.D., Department of Applied Mathematics, Andhra University, Visakhapatnam, 530003, India | Research exchange |

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| V band frequency reconfigurable antenna for millimeter wave applications | Aruna, S., Andhra University College of Engineering(A), Visakhapatnam, Andhra Pradesh 530003, India | Research exchange |
| Correlative study and analysis for hidden patterns in text analytics unstructured data using supervised and unsupervised learning techniques | Kannan, S., Citibank, 8 MARINA VIEW, Singapore, 018960, Singapore | Research exchange |
| Investigations on premixed charge compression ignition type combustion using butanol-diesel blends | Karwade, A., Department of Mechanical Engineering, Visvesvaraya National Institute of Technology, Nagpur, 440010, India | Research exchange |
| Dichotomy and well conditioning of two-point boundary value problems on time scale dynamical systems | Suryanarayana, R., Department of Mathematics, Vishnu Institute of Technology, Bhimavaram, 534202, India | Research exchange |
| An Optimal Least Square Support Vector Machine Based Earnings Prediction of Blockchain Financial Products | Sivaram, M., Department of Computer Networking, Lebanese French University, Erbil, 44001, Iraq | Research exchange |
| A comparative assessment on implementation of human resource development practices impact on employee productivity in public and private banks-an empirical study on banks in India | Vavilapalli, S., Department of Management Studies, Lendi Institute of Engineering & Technology, India | Research exchange |
| A study on public assistance and its impact on women workers for achieving work life balance with reference to it sector | Kundrapu, D, Department of Management Studies, Visakha Institute of Engineering and Technology, India | Research exchange |
| Enhanced dbscan with hierarchical tree for web rule mining | Rodda, S., GITAM University, Visakhapatnam, India | Research exchange |
| Influence of Stacking Sequence on the Mechanical and Water Absorption Characteristics of Areca Sheath-palm Leaf Sheath Fibers Reinforced Epoxy Composites | Ganesh, S., Department of Mechanical Engineering, Rajalakshmi Institute of TechnologyChennai, India | Research exchange |

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| Predictive model for abnormality in blood pressure | Tejaswi, P, Dept of ECE, IIIT Srikakulam, Srikakulam, AP., India | Research exchange |
| Channel estimation and equalization for vehicular network by novel pilot | Samatha, B., Dept. of CSSE, College of Engg., Andhra University, Visakhapatnam, India | Research exchange |
| Power quality improvement of wind and solar hybrid energy sources interface to the grid using upqc | Vinnakoti, S., RAGHU Engineering College, Visakhapatnam, Andhra Pradesh, India | Research exchange |
| Investigation of a 7-level inverter-based electric spring subjected to distribution network dynamics | Rao, G.K., Department of EEE KL EF, Vijayawada, Andhra Pradesh, India | Research exchange |
| An improved control scheme of electric springs for voltage regulation in distribution systems with renewable energy sources | Vijaya Kumar, J., K.K., Dept. of EEE, ANITS, Visakhapatnam, Andhra Pradesh, India | Research exchange |
| Indexing documents with reliable indexing techniques using Apache Lucene in Hadoop | Satyanarayan, S., Computer Science and Engineering, Raghu Engineering College, Visakhapatnam, Andhra Pradesh, 531162, India | Research exchange |
| Effect of environment of workplace in the growth of an efficient business system | Handini, S., Department of Management, Universitas Dr Soetomo, Surabaya, Indonesia | Research exchange |



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