R. V. College of Engineering, Bengaluru – 59

*(Autonomous Institution affiliated to VTU, Belgaum)*

List of Consultancy Projects

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| Sl No | Year | Project Title | Funding Agency | Faculty-in-charge | Amount(in Lakhs)  | Status  |
|  | 2017 | Proficiency Course on “Machine Learning Techniques in Real Time Applications” | CCNA Cisco | Dr. MinalMoharirProf. Jyoti ShettyProf. Lalitha V.P.Prof. Manonmani S. | 0.82 | Completed |
|  | Proficiency Course on “CCNA Cisco Certification Course” | CCNA Cisco | Dr. Nagaraja G.S.Dr. Vinay Hegde | 1.64 | Completed |
|  | Industry Training on “Machine learning Techniques” | Sahaj Software Solutions(Industry Training)  | Dr. Shobha G.Dr. S.R. SwamyDr. ShantaRangaswamyProf. Poonam GhuliProf. Jyoti Shetty | 0.86 | Completed |
|  | Proof Checking or vetting of structural designs & drawings | Govt. of Karnataka, RDW&S dept. | Civil Engineering  | 8.2 | Ongoing  |
|  | Govt. of Karnataka, RDW&S dept. | Feedback Infra Pvt. Ltd | Civil Engineering  | 2.0 | Ongoing  |
|  | Testing of filter media, Non destructive testing, Topo survey, Bitumen test, Cube testing, Testing physical and chemical parameters of steel etc. | Benaka Services, TumkurM/s.S& N Constructions, BengaluruM/s. Syscon, Architects, BengaluruM/s. NICE Ltd, BengaluruBenaka Services,TumkurKUWSDB, YadgirMatha Trade Centre Pvt. Ltd.S K Steel Tech, Bengaluru | Civil Engineering  | 0.57 | Completed  |
|  | Google Tango based AR Model for generating 3D views of Modular Kitchens | Insta Kitchen | Dr.G.ShobhaProf .PoonamGhuliHemavathy R | 0.50 | Ongoing |
|  | Smart Pantry Management System | Insta Kitchen | Dr.G.ShobhaProf .Prapulla S.B. | 0.50 | Ongoing |
|  | Image processing system for generation of Isometric designs & estimates   | Insta Kitchen | Dr.G.ShobhaProf .PoonamGhuliHemavathy R | 0.50 | Ongoing |
|  | Consultation towards design and development of manufacture Electronic Jacquard for handloom & rapier looms | RUTAG Cell , IIT Madras | Prof. K Badrinath | 5.00 | Ongoing |
|  | Electronic Jacquard for fine Korai Mat Weaving Handloom for Kora Grass Mat weaving society, Killimangalam | RUTAG Cell ,IIT Madras | Prof. K Badrinath | 0.80 | Ongoing |
|  | Characterization and Studies on Reclaimed Waste Foundry Sand as Aggregates In Building Product | Bhuwalka Castings& Forging Limited | Dept of ME | 6.14 | Ongoing  |
|  | Thermal Energy Auditing of Producer Gas and Kiln units of VRPL | Viswakarma Refractory Bricks | Dept of ME | 6.00 | Ongoing  |
|  | Electrical Energy Auditing and Management of BCFL | Viswakarma Refractory Bricks | Dept of ME | 5.65 | Ongoing  |
|  | Design and development of automated vision system for inspection of quality of welding on wheels | Steel Strips wheels Limited | Dept of ME | 3.4 | Ongoing  |
|  | Design and development of automated vision system for inspection of Butt welding | Steel Strips wheels Limited | Dept of ME | 3.8 | Ongoing  |
|  | Design and development of automated vision system for inspection of Wheels on Hanger | Steel Strips wheels Limited | Dept of ME | 4.00 | Ongoing  |
|  | Design anddevelopment of automated assembly line for final inspection of product | Steel Strips wheels Limited | Dept of ME | 5.00 | Ongoing  |
|  | Implementing Natural Language Processing (NLP) to generate Structured Query Language (SQL) for a Business intelligence Tool. | System Consultant Information India Pvt Ltd (SCII) | Dr.Deepamala N.Dr.Shobha G | 3.00 | Ongoing  |
|  | Automatic Age Estimation Based on Facial Aging | Karnataka Council for Technological Upgradation | Dr. N.K. Srinath Dr. Sridhar S. | 14.775 | Ongoing |
|  | Design & Development of Therapeutic Exoskeleton for Muscular Dystrophy and Comatose | Karnataka Council for Technological Upgradation | Prof. Manjunath A.E.,Dr. Sharvani G.S.,Prof. Girish Rao Salanke | 18.75 | Ongoing  |
|  | Tenant Managed AAA in Open daylight Controller | CISCO Systems PVT. India Ltd | Prof. Sneha M.,Dr. Shobha G. | 7.92 | Ongoing  |
|  | Tracking and collaboration of tasks for enabling the activities of complex programmes | CABS, Bangalore | Dr. Shobha GDr. Shantha RangaswamyProf. M.R.Sundarakumar | 9.96 | Ongoing  |
|  | Test procedure to script Generation using classifiers and NLP (Natural Language Processing) | Citrix R&D India Pvt. Ltd. | Dr.Deepamala.NDr.Shobha G | 2.00 | Ongoing  |
|  | App for Video optimization Testing | Citrix R&D India Pvt. Ltd. | Prof. Azra NasreenDr.Shobha G | 1.00 | Ongoing  |
|  | NETWORK SIMULATOR WITH PREDICTABLE ERROR INJECTION | Citrix R&D India Pvt. Ltd. | Prof. Vishalakshi PrabhuDr. Shobha G | 1.00 | Ongoing  |
|  | User defined protocol support and DPDK integration with Ostinato | Citrix R&D India Pvt. Ltd. | Dr.Minal MoharirDr.Shobha G | 2.00 | Ongoing  |
| Total in Rupees in Lakhs = 115.785  |
|  | 2016 | Electronic Jacquard for korai met loom weaving | Micro LabInstruments | Prof. K Badrinath | 1.00 | Ongoing |
|  | Windows CE 6.0 Application Development with multitasking for coagulation Analyzer | Micro LabInstruments | Prof. K Badrinath | 3.00 | Ongoing |
|  | Application Development on Windows 7 to 10 platforms using .Net and C# tools for ELISA reader | Micro LabInstruments | Prof. K Badrinath | 2.75 | Ongoing |
|  | Secure Data Services in cloud | Nihon Communication Solutions Pvt., Limited | Dr. RajashreeShettar | 0.80 | Ongoing |
|  | Prototyping the IEEE 802.15.4 MAC Protocol for modeling and analysis of WBAN | Nihon Communication Solutions Pvt., Limited | Dr. RajashreeShettarProf. VishalakshiPrabhu | 0.60 | Completed |
|  | Soil Investigation for proposed sports club at Tumkur. | Excel Sports Academy | Civil ` | 0.44 | Completed |
|  | Material testing for preparation of DPR for Vengalam to Edapally of NH17 | Feedback Infra Pvt. Ltd | Civil ` | 2.22 | Completed |
|  | Testing of filter media of 4.54 MLD water treatment plant at Shahpur town. | Benaka Services, Tumkur | Civil | 0.086 | Completed |
|  | Material testing for NH 150A | Feedback Infra Pvt. Ltd | Civil | 1.10 | Completed |
|  | Soil Investigation at New Thippasandra | ADE, New Thippasandra, Bengaluru | Civil | 0.18 | Completed |
|  | Non Destructive Testing at Yelahanka | Geo logics | Civil | 0.15 | Completed |
|  | Hoist wire rope test | R. Hari Prasath, Banashankari II Stage, Bengaluru | Civil | 0.05 | Completed |
|  | Material testing for Feasibility study of four laning of the section from Gundugola to Kovvuru SH 107 | Feedback Infra Pvt.Ltd , Bengaluru | Civil | 0.60 | Completed |
|  | Road Safety Engineering | PWD, Govt. of Karnataka | Civil | 2.24 | Completed |
|  | Design and Development of Automatic traverse winder with vision system and interleave paper for a stamping press” | T EConnectivity | Department of ME  | 20.00 | Completed  |
|  | Energy harvesting using Triboelectric Nano generator | T EConnectivity | Department of ME  | 10.00 | Completed  |
|  | Energy Regenerationusing Micro Hydro turbine generation | TE connectivity  | Department of ME  | 8.00 | Completed  |
|  | Large power generation (energy recovery) using Bruderer machine | TE connectivity | Department of ME  | 8.50 | Completed  |
|  |  | Intelligent Agent- Customer matching for contact centers Containerizing a web application and its performance analysis Log Analysis for bug detection | CISCO Systems PVT. India Ltd | Dr. Shobha GProf. Jothy ShettyProf. Pratiba DProf. Poonam Ghuli | 7.92 | Completed  |
|  |  | Log Analysis for bug detection | Prof. Pratiba DProf. Poonam Ghuli Dr. Shobha G |
|  |  | Containerizing a web application and its performance analysis | Prof. Jyoti ShettyDr. G. Shobha |
|  |  | RS 485 /Modbus Driver Wrapper and Simple Analysis Widgets | ABB | Prof. Anala M R Dr. Shobha G | 3.00 | Completed  |
|  |  | RTF Writer | Gnostice Information Technologies Pvt. Ltd. | Prof. Azra Nasreen Dr. Shobha G | 1.00 | Completed  |
|  |  | IoT Enabled Smart Water Management System | Govt of Andhra Pradesh | Prof. Prapulla S BDr. Shobha G | 2.61 | Completed  |
| Total in Rupees in Lakhs = 79.246 |
|  | 2015 | Inventory Management System | Karnataka Forest Department Corporation Limited | Dr. Shobha GDr. ShanthaRangaswamy | 1.00 | Completed |
|  | Android CommunicationInterface using AOA and GUIprogramming to achieve theoperation Interface to medicalequipment | Micro LabInstruments | Prof. K Badrinath | 3.00 | Completed |
|  | Xtreme Digitization EnginePhase 1 with MixedLanguage capability inC#.NET | Gnostice InformationTechnologies Pvt.,Limited | Prof. A Sowmya, Prof. Hemavathy G,Dr. Shobha G | 1.00 | Completed |
|  | Design and Development of IoT based pavement health monitoring systems | Srushti Consultants, | Dr. Sharvani G S, Prof. Badrinath K | 9.36 | Ongoing |
|  | Lawful VoIP and targeted surveillance using Deep Packet Inspection for Wire Speed Network | Nihon Communication Solutions Pvt., Limited. | Dr. RajashreeShettar and Prof. Jyoti Shetty | 1.10 | Completed |
|  | Material testing,Technical Advisory services and Training | Professional Civil Infra Pvt. Ltd, Bengaluru.Feedback Infra Private Limited, Bengaluru.Public Affairs Centre, Bengaluru (Memorandam of Understanding).Training programs for PWP&IWT Engineers(Govt of Karnataka) | Dr. RajashreeShettar and Prof. Jyoti Shetty | 34.0 | Completed |
|  | Design, testing and trouble shooting of RF subsystem | TCS, Bengaluru  | Prof. R.K.Manjunath, | 8.0 | Completed |
|  | Transmission line and Antennas | BSF  | Prof. R.K.Manjunath, | 0.50 | Completed |
|  | Create proof of concept for mouldable biodegradable material for disposable dinnerware from biomass feed stocks | IMBA, IE Business School, Madrid, Spain | Dr Pushpa Agrawal (Project Coordinator) | 0.28 | Completed  |
|  | Genomic analysis and systems Biology | GenEclat Technolgies | Dr Vidya Niranjan | 06.50 | Completed |
|  | Application of nano ceramic membrane for separation and water purification techniques | BHEL / SVE/ Mechtrix Engineers | Dr. Pushpa Agrawal | 02.0 | Completed |
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|  | Development of Software’s and Tools for Cloud based Framework for securing .NET based software applications | ABHI Systems, Bangalore. | Prof. K Badrinath | 0.50 | Completed |
|  | Computing of Bio Informatics Data | Grid Octane | Dr. RajashreeShettar and Prof. Chandrashekar | 0.25 | Completed |
|  | Deep packet inspection algorithm for wire speed network using MONOSEK Network Analyser | Nihon Communication Solutions Pvt., Limited | Dr. RajashreeShettar and Prof. Jyoti Shetty | 1.00 | Completed |
|  | Graphics Application using C#.net for Industrial Requirement | GC’S Technologies | Prof. K Badrinath | 1.00 | Completed |
|  | PPTXEngine with PPTXformat decoding capability inC#.NET | Gnostice Information Technologies Pvt., Limited. | Prof. AzaraNazareen and Dr. Shobha G | 2.00 | Completed |
|  | XLSXEngine with XLSXformat decoding capability inC#.NET | Gnostice Information Technologies Pvt., Limited. | Prof. Anala M R and Dr. Shobha G | 2.00 | Completed |
|  | Material TestingField Survey and training | 1. Assistant Divisional Engineer(Central) SW Railways, Bangalore City
2. L&T, Chennai
3. Professional Civil Infra, Bangalore
4. Sri Sai Consultants, Bengaluru
5. Training programs for PWP&IWT Engineers (Govt of Karnataka)
 | Civil  | 4.6 | Completed |
|  | Efficient low cost ECG monitoring system | 1. ESSEN Systems
 | B V Uma  | 0.5 | Completed |
|  | Modification of sprocket and belt testing ri | CLASS India Pvt.ltd,Chandigadh | M Krishna  | 7.0 | Completed |
|  | Hygrothermal Studies on FRP-Nanocomposites | NMRL,Ambernath | H N Narashima Murthy  | 10.0 | Complete  |
|  | Structural Analysis and Experimental Validation of Underwater Electronics Enclosure for Dunking System | NPOL, Cochin  | H N Narashima Murthy | 10.0 | Completed  |
|  |  | Certificate Generator tool using Fuzzying | Citrix R&D India Pvt. Ltd. | Prof. Prapulla S BDr. Shobha G | 6.71 | Completed  |
|  |  | Certificate Generator tool using Fuzzying | Citrix R&D India Pvt. Ltd. | Dr. Shobha GProf. Vishalakshi Prabhu | 1.00 | Completed |
|  |  | Traffic Generator using Intel Data Plane Development Kit | Citrix R&D India Pvt. Ltd. | Dr. Minal Moharir Dr. Shobha G | 2.00 | Complete  |
|  |  | Development of Generic Log Analyzer. | Citrix R&D India Pvt. Ltd. | Prof. Poonam GProf., Pratiba D Dr. Shobha G | 1.00 | Completed  |
|  |  | Capture and Relay Tool | Citrix R&D India Pvt. Ltd. | Dr.Deepamala N Dr. Shobha G | 2.00 | Completed  |
|  |  | GPU Research Centre | NVIDIA, Private Limited. | Prof. Anala M RProf. Minal Moharir | 3.00 | Completed |
|  |  | XLSX Engine Phase 2 in Delphi and C#.NET. | Gnostice Information Technologies Pvt.,Limited | Prof. Anala M R Dr. Shobha G | 2.00 | Complete  |
|  |  | Digitization Engine – Segmentation | Gnostice Information Technologies Pvt.,Limited | Prof. A Sowmya, Dr. Shobha G | 1.00 | Completed  |
|  |  | XLS Engine Phase 2 in Delphi and C#.NET. | Gnostice Information Technologies Pvt., Limited | Prof. Azra NasreenDr. Shobha G | 2.00 | Completed  |
|  |  | Bio-Inspired Computing for theanalysis of pectin in citrus fruit | National Mission On Food Processing (NMFP), Directorate of Agriculture, Bangalore | Dr. Shobha G, Dr. Nagashree Rao (BT), Dr. Ashwani Sharma(BT) Prof. Manjunath A E (CSE) | 4.00  | Completed  |
|  |  | A study of Moving object detectionIn under water video sequence | Naval Research Board | Prof. Hemavathy Dr. Shobha G  | 14.61 | Completed  |
|  |  | Infrastructure as Service platform: Automated VM Provisioning andService Assurance | CISCO Systems, Pvt. India Ltd.  | Dr. Shobha G, Prof. Anala M R, Prof. Jyothi Shetty | 7.92  | Completed  |
|  |  | Design & Development of Hospital Power Automation System Using Dynamic Gesture Recognition  | VGST, Govt. of Karnataka  | Prof. Manjunath A E  | 4.00  | Completed  |
|  |  | Parallelizing CPU Centric applications/ algorithms on GPUs tooptimize the performance using CUDA  | NVIDIA, Pvt. Ltd | Dr. Anala M.R | 3.00 | Completed  |
|  |  | Optimization of Cryptographicalgorithm using High Performance Computing  | NVIDIA, Pvt. Ltd | Dr. Minal Moharir | 1.5 | Completed  |
| Total in Rupees in Lakhs = 161.33 |

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| Total Amount Generated From Consultancy Projects | 353.361 lakhs  |
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