



GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE & Affiliated to Andhra University, Visakhapatnam from 2022-23

(Affiliated to JNTUK, Kakinada upto 2021-22)

Accredited twice by NAAC with 'A' Grade with a CGPA of 3.47/4.00

Madhurawada, Visakhapatnam – 530 048

LIST OF CONSULTANCY PROJECTS WORTH Rs. 640.035 Lakhs

| S.No. | Year | No. of Projects | Amount (in Rs. Lakhs) |
|--------------|------|-----------------|--------------------------|
| 1 | 2023 | 10 | 29.68 |
| 2 | 2022 | 3 | 2.195 |
| 3 | 2021 | 8 | 24.21 |
| 4 | 2020 | 9 | 15.87 |
| 5 | 2019 | 8 | 58.05 |
| 6 | 2018 | 19 | 64.66 |
| 7 | 2017 | 12 | 44.71 |
| 8 | 2016 | 9 | 86.09 |
| 9 | 2015 | 9 | 122.63 |
| 10 | 2014 | 4 | 23.50 |
| 11 | 2013 | 4 | 15.04 |
| 12 | 2012 | 6 | 23.80 |
| 13 | 2011 | 4 | 16.85 |
| 14 | 2010 | 1 | 14.00 |
| 15 | 2009 | 1 | 4.00 |
| 16 | 2008 | 2 | 13.50 |
| 17 | 2007 | 2 | 39.00 |
| 18 | 2006 | 3 | 9.25 |
| 19 | 2005 | 3 | 12.75 |
| 20 | 2004 | 2 | 3.60 |
| 21 | 2003 | 3 | 11.50 |
| 22 | 2002 | 2 | 3.05 |
| 23 | 2001 | 1 | 0.80 |
| 24 | 1999 | 1 | 1.30 |
| TOTAL AMOUNT | | | 640.035 |

| S.No. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|--|--------------------------|
| 2023 | | | | |
| 1. | Consultancy Services for the Airport Terminal User Survey as part of the project "Traffic Study for the Congestion free Access corridor for New Bhogapuram Airport" | Civil | RSM Infra Engineering Consultants Pvt. Ltd | 0.55 |
| 2. | Vibration measurement & analysis for Vibration level for three buildings due to UNDEX at NSTL, Vizag | Civil | IDDC Engineers Pvt. Ltd., Vizag | 2.06 |
| 3. | Applying the concepts of Quantum, AI, Machine Learning / Deep Learning in Product Engineering | CSE | Quantum Stats AI Global Pvt. Ltd. | 23.00 |
| 4. | Full Spectrum Project | CSE | Qulabs Software (India) Pvt. Ltd. | 2.50 |
| 5. | Shock Calculations using FEA method Standards: NSS II for 2MW SEA WATER Pump using Ansys | Mech. | Desmi India PVT LTD., Hyderabad | 0.12 |
| 6. | Verification of the CG of AC plant and confirmation of mount position and location for JCI AC PLANT | Mech. | Jhonson controls, Pune | 0.12 |
| 7. | Shock Calculations using FEA method Standards: NSS II for 695740 – Fire pump using Ansys | Mech. | Jhonson controls, Pune | 0.18 |
| 8. | NFT test and FEA analysis of probe holder | Mech. | Nippon Steel India Limited, | 0.30 |
| 9. | Shock Calculations using FEA method Standards: Standards: NSS-II | Mech. | AC Plant@JCI | 0.15 |
| 10. | Performance of shock test on a compressor in accordance with NSS-II standards and Minor design modification report. | Mech. | Flamboyant Solutions | 0.70 |
| TOTAL | | | | 29.68 |

| S.No. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|---|--------------------------|
| 2022 | | | | |
| 1. | Repair Scheme for various building elements for Aditya Fortune Towers, Visakhapatnam | Civil | Aditya Fortune Towers, Visakhapatnam | 1.18 |
| 2. | Material Testing for M/s Utkarsha Constructions | Civil | M/s Utkarsha Constructions, Visakhapatnam | 0.13 |
| 3. | Proof Checking of Elevated bridge on River Gostani at Pandrangi Village, Visakhapatnam Dist | Civil | VRP Structural Engineers (I) Pvt Ltd. | 0.885 |
| TOTAL | | | | 2.195 |

| S.No. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|--|--------------------|--|--------------------------|
| 2021 | | | | |
| 1. | Natural drains – Catchment Area Development at Visakhapatnam City under the UNDP – GoI (USAID) project entitled Developing Resilient cities through Risk Reduction in the context of Disaster and Climate Change | Civil | GVMC | 6.50 |
| 2. | Vibration Measurement | Civil & Mechanical | KARKINOS Health care Pvt Ltd, Mumbai | 3.60 |
| 3. | M30 Mix Designs for (Over Head Service Reservoir) OHSR in Parawada Mandal, RWS&S Division, Visakhapatnam | Civil | Executive Engineer, RWS&S Division, Visakhapatnam | 0.15 |
| 4. | Implementation of MLP for buiding an Omni Service Channel product | CSE | Kognitive LLC | 1.09 |
| 5. | software Consultant for providing software solutions” | IT | Queens NRI Hospital, Seethammadhara, Visakhapatnam | 2.50 |
| 6. | Development of sensor less control of SRM Drive | EEE | HBL Power Systems Ltd. | 10.03 |
| 7. | Vibration data acquisition hardware CoCoFFt Analyser Impact hammer | Mechanical | M/s Tejas Mechanical Technologies | 0.20 |
| 8. | Analysis and design of coupling for marine fire pump using ANSYS (GVP/WO/21-22/02) | Mechanical | M/s Flamboyant Solutions | 0.14 |
| TOTAL | | | | 24.21 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|---|--------------------------|
| 2020 | | | | |
| 1. | Stability analysis of decant well in Lagoon 1 ash pond | Civil | NTPC, Simhadri Visakhapatnam | 0.50 |
| 2. | Pre-bid design and estimation for Culverts, Bridges, and Viaducts | Civil | M/S Hayagreeva Constructions. | 7.00 |
| 3. | Junior club building and overhead RCC water tank at HTPS CSPGCL, Korba West | Civil | Chhattisgarh State Power Generation Company Ltd., Korba | 2.12 |
| 4. | Proposed Construction of Minor Bridge on the road from Singuru ZP road to Nellimetta of Amadalavalasa Mandalam in Ponduru sub divison, srikakulam | Civil | BL Structural Team (India) Private Limited, Visakhapatnam | 0.53 |
| 5. | Design and Construction Drawings of Bridge for work M/s. HPCL at ATP site | Civil | Gopal Teknocon Private Limited | 0.88 |
| 6. | Geotechnical Investigation | Civil | Local Contractors | 0.12 |
| 7. | Function calls of the use cases and design for validation and report with recommended design parameters. | CSE | Think3D | 0.70 |
| 8. | A study of the existing I.T. systems & banking processes of a private bank in Kenya (East Africa) to assess scope for improvement and eliminate income leakages | CSE | Amity Software Ltd | 1.18 |
| 9. | Simulation based Design of 2kW Full Bridge DC-DC power Converter | ECE | IE Power Technologies Private Limited, Bangalore | 2.84 |
| TOTAL | | | | 15.87 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|--|-----------------------|---|--------------------------|
| 2019 | | | | |
| 1. | Concrete integrity test in Naval Dockyard, Visakhapatnam | Civil | M/s IDDC Pvt Ltd April 2019 | 0.40 |
| 2. | Preparation of EIA report for Tamilnadu Bharathmala Highway project | Civil | Aarvee Associates, Hyderabad | 0.60 |
| 3. | Preparation of EIA report for Ananthapur-Amaravathi Expressway | Civil | Aarvee Associates, Hyderabad | 0.55 |
| 4. | Static and Dynamic Analysis of 3.5 MT Classification screen | Mechanical & Civil | Nikhil Engineering Technologies, Visakhapatnam | 1.06 |
| 5. | Design & FA of Rocket System & Solutions | Mechanical | NAD, Visakhapatnam | 0.59 |
| 6. | Dynamics simulation of FA of rocket system and solutions (GVP/WO/19-20/09) | Mechanical | | 0.59 |
| 7. | Web Application Development | IT | Faust Precast and Infra Pvt.Ltd | 0.20 |
| 8. | Modelling and Simulation of SRM and PMASRM Drive Control for Electric Vehicle Applications | EEE | HBL Power Systems Limited, Hyderabad, India | 54.06 |
| TOTAL | | | | 58.05 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|--|--------------------------|
| 2018 | | | | |
| 1. | STG Bearings Vibration Analysis | Mechanical | Essar steel India Ltd., Visakhapatnam | 0.43 |
| 2. | NFT For Bearings & Hanger Supports | Mechanical | Essar steel India Ltd., Visakhapatnam | 0.36 |
| 3. | Air Borne Noise Analysis of the Equipment | Mechanical | Naval Dockyard Visakhapatnam | 0.18 |
| 4. | Failure Analysis of Fire Pump-2 | Mechanical | Naval Dockyard Visakhapatnam | 1.20 |
| 5. | Laboratory demonstration of Extraction of Azadirachtin from neem seeds using water | Chemical | Srinidhi Biotech Pvt. Ltd. | 2.50 |
| 6. | Design vetting of Pipe Bridge structural Drawings for M/s IOCL, Vizag | Civil | GOPAL TECHNOCON Pvt. Ltd., Vskp | 0.75 |
| 7. | Design of RC College Building | Civil | SK Engineers | 0.59 |
| 8. | Providing Model Toilets to Visakhapatnam Port Trust | Civil | Visakhapatnam Port Trust | 2.00 |
| 9. | Power Electronic Drives (Research based consultancy) | EEE | HBL Power Systems Ltd. | 49.04 |
| 10. | Experimental and Numerical analysis of oil pump foundation | Mechanical | Flamboyant Solutions | 0.12 |
| 11. | Experimental Modal Analyses of generator | Mechanical | Flamboyant Solutions | 0.29 |
| 12. | Model analysis on MR Mount trails | Mechanical | Flamboyant Solutions | 0.24 |
| 13. | Coherence data measurement for fire pump trails | Mechanical | Flamboyant Solutions | 0.24 |
| 14. | Load Dependent Vibrations Study on 35 MW TG Set at Essar Steel India Ltd. | Mechanical | Sampoorna Rotordynamics Consultancy | 1.77 |
| 15. | Design of thermal calculations for a 50kW condensing steam turbine & C++ thermal design calculation app for future projects | Mechanical | Karthik Engineers, Bangalore | 2.65 |
| 16. | Thermal calculations for 50 kW back pressure steam stream turbine and finalizing the turbine speed and disc diameter for the given power output | Mechanical | Sampoorna Rotordynamics Consultancy | 0.60 |
| 17. | Failure Analysis of fire pump at Naval Dockyard | Mechanical | Flamboyant Solutions | 1.20 |
| 18. | Experimental and Analytical Modal Analysis of generator at U P C Manah, OMAN | Mechanical | Flamboyant Solutions | 0.40 |
| 19. | Vibration Transmissibility and Isolation analyses of HP Air Compressor Naval Dockyard, Viskhapatnam | Mechanical | Flamboyant Solutions | 0.10 |
| TOTAL | | | | 64.66 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|---|--------------------------|
| 2017 | | | | |
| 1. | Geo Tagging of Panchayat Assets under the ISRO Project on EPRIS | Civil | NSRC, ISRO, Govt. of India | 6.54 |
| 2. | GIS based Revenue data updation | Civil | Aarvee Associates | 20.00 |
| 3. | Design of Self Supported Warehouse for augmentation of Sick line facilities | Civil | East Coast Railways | 1.97 |
| 4. | Precast RCC Toilets to School near to VPT area | Civil | Visakhapatnam Port Trust | 12.25 |
| 5. | Precast RCC security room to VPT area | Civil | Visakhapatnam Port Trust | 1.475 |
| 6. | Testing of Structural Steel in connection with construction of Bridge | Civil | Rail Vikas Nigam Ltd. | 0.61 |
| 7. | Design of RC College Building | Civil | SK Engineers | 0.59 |
| 8. | Design Mix for PIU Works | Civil | Panchayatraj, Bheemunipatnam, Vizag | 0.26 |
| 9. | Vibration and NFT Analysis of ID Fan | Mechanical | Hindalco Industries | 0.20 |
| 10. | Design and Numerical analysis of Winding Machine | Mechanical | Roshini Microsystems | 0.40 |
| 11. | Experimental and numerical analysis of MR foundation at Naval Dockyard, Visakhapatnam | Mechanical | Flamboyant Solutions | 0.118 |
| 12. | Model analysis training to GE power, Vadodara | Mechanical | Flamboyant Solutions | 0.295 |
| TOTAL | | | | 44.708 |
| 2016 | | | | |
| 1. | Community toilets to Commissioner office of Police | Civil | Visakhapatnam Port Trust | 13.42 |
| 2. | Feasibility studies on photonic systems for environmental Monitoring | Civil | Castle Advanced Technologies & Systems (CATS) | 20.00 |
| 3. | Design at Mooring Dolphin at the Western end of the Jetty | Civil | Visakha Container Terminal Pvt. Ltd. (VCTPL) | 5.75 |
| 4. | Soil Testing | Civil | Geomarine dynamics, SS Builders, RK Constructions | 0.22 |
| 5. | Power Electronic and Drives Resource Person: Dr. Sastry V. Vedula | EEE | HBL Power Systems Ltd | 22.90 |
| 6. | Modelling and Simulation of distinct Power Electronics & Drives | EEE | HBL Power Systems Ltd | 21.50 |
| 7. | Analyzing the vibrations of motor generator set with all required instruments. | Mechanical | Naval Dockyard VSKP | 0.30 |
| 8. | Load Dependent Vibrations Study on 77 Mw TGSet | Mechanical | Bhushan Steel Limited Orissa | 2.00 |
| TOTAL | | | | 86.09 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|--|------------------------|---|--------------------------|
| 2015 | | | | |
| 1. | Training the employees of Vasudha Pharma Chem Pvt. Ltd. | Chemical | Vasudha Pharma Chem Pvt. Ltd | 2.50 |
| 2. | Improvement in the Primer quality for coal tar enamel tape referred | Chemical | Himadri Chemicals & Industries Ltd., Visakhapatnam | 0.50 |
| 3. | Construction of Toilet Blocks for Schools in collaboration with Visakhapatnam Port Trust | Civil | Visakhapatnam Port Trust | 91.24 |
| 4. | Design of Louvers on Port connectivity Road | Civil | National Highway Authority of India | 5.00 |
| 5. | Developing models of Aircraft Electrical Power Systems using "Model Based System Engineering (MBSE) methodologies" | EEE | LMS India Engineering Solutions Private Limited ("LMS"), Chennai | 6.00 |
| 6. | Failure investigation of 500 MW set at Rihand Thermal Power Station, Sonebhadra UP | Mechanical | PROTOCOL, Insurance Surveyors & Loss Assessors Pvt. Ltd, Noida, India | 6.00 |
| 7. | Vibration study and diagnosis of turbo blower-3 | Mechanical | Mideast integrated steels limited Jaipur Orissa | 0.30 |
| 8. | Modeling and Finite Element analysis of bearing housing and estimation of stiffness in X and Y directions | Mechanical | Powerthermal Engineering Pvt Ltd Hyderabad | 1.10 |
| 9. | Automation in measuring a product for the specific dimensions | Information Technology | Liners India Ltd. | 9.99 |
| TOTAL | | | | 122.63 |

| 2014 | | | | |
|--------------|--|-------|--|--------------|
| 1. | For conducting pertinent hydraulic model studies for contemplated development of Naval facility at SBC, Visakhapatnam | Civil | SS Infrastructure Development Consultants Pvt. Ltd., Hyderabad | 10.00 |
| 2. | Studies on Desalination of Sea Water | Civil | Jengu Water Limited, USA | 10.00 |
| 3. | Vibration monitoring of the Cenotaph Road Building for Structural Stability Assessment | Civil | SkyRide Tours and Travels, Chennai | 2.50 |
| 4. | Structural stability study to facilitate erection of additional equipment on the terrace at Fortis Health Care, Mumbai | Civil | Geomarine Consultants, Fortis Hospital, Mumbai | 1.00 |
| TOTAL | | | | 23.50 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|---|--------------------------|
| 2013 | | | | |
| 1. | Testing of Bond Strength of Shortcrete concrete for underground rock cavem at Visakhapatnam | Civil | Hindustan Construction Company (HCC), VSKP | 10.00 |
| 2. | Carrying out Blast induced and construction induced Ground Vibration Monitoring | Civil | Dighi Oil Storage Pvt. Ltd. | 1.12 |
| 3. | RMHS conveyor gallery CC-3 and JH-15 collapsed structures at Jajpur Plant | Civil | TATA Steel Limited, Jajpur, Orissa | 2.00 |
| 4. | Variable voltage Variable frequency drives | ECE | IGIAT to train the employees of Vizag Steel Plant, Visakhapatnam. | 1.92 |
| TOTAL | | | | 15.04 |

2012

| | | | | |
|--------------|---|------------|---|--------------|
| 1. | Optimal Design of Diesel Generator Foundation | Mechanical | DRDO, NSTL-VSP | 6.72 |
| 2. | Verification and validation of structural designs of the proposed deperming facility at Visakhapatnam | Civil | NSTL, DRDO, Ministry of Defence, Govt. of India | 7.53 |
| 3. | Checking of the Designs of General Cargo Berth in outer Harbour of Visakhapatnam Port Trust | Civil | Vedanta Group of Companies | 1.30 |
| 4. | Collapse of Buildings, Marrisipalem, Visakhapatnam | Civil | GVMC | 2.00 |
| 5. | Design of Tank Facility to Study Underwater Turbulence | Civil | NSTL, DRDO | 3.25 |
| 6. | Design and supervision of Rajiv Smruthi Bhavan at Visakhapatnam | Civil | GVMC | 3.00 |
| TOTAL | | | | 23.80 |

2011

| | | | | |
|--------------|---|----------|---------------------------------------|--------------|
| 1. | Imparting Basic Chemical Engineering Knowledge to Employes of Ecologic India Ltd. | Chemical | Plant employes of Ecologic India Ltd. | 10.00 |
| 2. | Water Supply Design for IT-SEZ | Civil | GVMC | 2.00 |
| 3. | Design of Training Centre, GVMC | Civil | GVMC | 1.00 |
| 4. | Design and supervision of Indoor Stadium at Gajuwaka, Visakhapatnam. | Civil | GVMC | 3.85 |
| TOTAL | | | | 16.85 |

2010

| | | | | |
|----|---|-------|--------------------|-------|
| 1. | Design of Oil Cargo Berth at Visakhapatnam Port Trust | Civil | AVR Infra, Chennai | 14.00 |
|----|---|-------|--------------------|-------|

2009

| | | | | |
|----|--|-------|------|------|
| 1. | Design of Sports & Office Complex at Visakhapatnam | Civil | GVMC | 4.00 |
|----|--|-------|------|------|

2008

| | | | | |
|--------------|--|-------|------|--------------|
| 1. | Preparation of DPRs for drainage system at Gajuwaka, and KRM Colony, Visakhapatnam. | Civil | GVMC | 8.50 |
| 2. | Preparation of DPRs for construction of training centre at Mudasarlova, Visakhapatnam. | Civil | GVMC | 5.00 |
| TOTAL | | | | 13.50 |

2007

| | | | | |
|--------------|---|-------|---------------------|--------------|
| 1. | Preparation of DPRs and Master plans for storm water drainage system under JNNURM scheme. | Civil | GVMC | 34.00 |
| 2. | Development of Acoustic Switching Unit (Autonomous Under Water Vehicle Applications) | ECE | NSTL, Visakhapatnam | 5.00 |
| TOTAL | | | | 39.00 |

2006

| | | | | |
|--------------|--|-------|----------------------------|-------------|
| 1. | Study of Noise Interference for Under water telemetry | ECE | N.S.T.L Visakhapatnam | 4.75 |
| 2. | Design of VIP Gallery stand in Pavilion block of ACA-VDCA Cricket Stadium at Visakhapatnam | Civil | Andhra Cricket Association | 3.00 |
| 3. | Design of PSC box girders | Civil | GVMC | 1.50 |
| TOTAL | | | | 9.25 |

| Sl. | Title of the Project | Department | Sponsoring Agency | Amount (Rs. in lakhs) |
|--------------|---|------------|---------------------------------------|--------------------------|
| 2005 | | | | |
| 1. | Design of IGIAT centre at Visakhapatnam. | Civil | IGIAT | 5.00 |
| 2. | Preparation of DPR for high level bridges at Rayagada, Orissa. | Civil | M/s.Utkal Alumina International Ltd | 4.25 |
| 3. | Preparation of DPR for a Road length of 24 Kms at Rayagada, Orissa. | Civil | M/s.Utkal Alumina International Ltd | 3.50 |
| TOTAL | | | | 12.75 |
| 2004 | | | | |
| 1 | Preparation of Detailed Longitudinal and Cross Sectional Drawings and Quantity Estimation of 6 Eastern Dams at Damanjodi, Orissa. | Civil | M/s. Gayatri Projects Ltd. | 2.10 |
| 2 | Preparation of Topographical Map and Block Level Data at Muniguda, Orissa. | Civil | M/s. Sterlite Ltd. | 1.50 |
| TOTAL | | | | 3.60 |
| 2003 | | | | |
| 1. | Design of North Block and Gallery Stands of ACA, VDCA Cricket stadium at Visakhapatnam | Civil | Andhra Cricket Association | 6.00 |
| 2. | Analysis of Casting of 40m Span PSC Girders | Civil | M/s. Navayuga Engineering Corporation | 1.00 |
| 3. | Soil Investigation for Expansion of Red Mud Soil at Dhamanjodi, Orissa. | Civil | M/s. NALCO Ltd. | 4.50 |
| TOTAL | | | | 11.50 |
| 2002 | | | | |
| 1. | Surveying and Soil Investigation for Sri Balaji Medical College at Gopalpur, Orissa. | Civil | Sri Balaji Educational Trust | 1.85 |
| 2. | Investigation for Collapse of 400 KVA Transmission Line Towers at Tuni, A.P. | Civil | A.P TRANSCO, Hyderabad | 1.20 |
| TOTAL | | | | 3.05 |
| 2001 | | | | |
| 1. | Design of Rail Vihar-II at Visakhapatnam | Civil | IRWO Visakhapatnam | 0.80 |
| 1999 | | | | |
| 1. | Design of a 330m long Cable Stayed Bridge | Civil | M/s. CONSTRUMA Ltd., Mumbai | 1.30 |