

# IIT Hyderabad

## List of Ongoing Consultancy Projects

S.No	Deptt	FY	Name of the Principal Investigator	Title of the Project
<b>Department of Civil Engineering</b>				
1	CE	2012-13	Dr. Balunaini Umashankar	Geotechnical Investigation and design review for Dr B R Ambedkar Pranahitha Chevella Sujala Sravanthi Package
2	CE	2013-14	Dr. Balunaini Umashankar	Construction of 150 meter high self supporting steel tower for HPT Mahaboobnagar (AP)
3	CE	2013-14	Prof.KVL Subramaniam	Structural design & drawingsfor buildings for Center for DNA Finger Printing and Diagnostics Project (CDFD)
4	CE	2014-15	Dr.Debraj Bhattacharyya	Development of an Advanced Electrocoagulation System for Waste Water Treatment
5	CE	2015-16	Dr. Balunaini Umashankar	Laying Cross Country Pipeline under an embankment NPCIL
6	CE	2015-16	Dr.Anil Agarwal	Structural design for third party design check of a 3m non-penetrating rooftop polse design
7	CE	2015-16	Dr.Debraj Bhattacharyya	Testing sample in Environment Engineering Laboratory for testing one sample an 8-bottle respirometric setup
8	CE	2015-16	Dr.T Shashidhar	Study and operation of Raw Water Pipe line with varying draw down levels of fore bay at pumping station 1 and its impact on the pipe line
9	CE	2015-16	Dr.T Shashidhar	Proof checking of surge analysis. Confirmation configuration and sizing of surge pool.
10	CE	2015-16	Dr.Sireesh Saride	Performing resonant column studies on near shore samples as per ASTM D 4501-07
11	CE	2015-16	Dr. K.B.V.N Phanindra	Study of Flow Measurements at Four Locations
12	CE	2015-16	Dr. Sireesh Saride	Evaluation of Tensile Properties of Biaxial Geogrid
13	CE	2015-16	Prof.KVL Subramaniam	Review Analysis of Structural Design of BEBO arch Systems for Strata Geosystems Pvt ltd
14	CE	2015-16	Dr.T Shashidhar	Analysis of Cr(VI) and CR(III) in the sludge residue,Developing process for the Extraction of Cr(III) and Cr(VI)
15	CE	2016-17	Prof.KVL Subramaniam	Vetting of Structural Designs of Proposed Cognizant ISC campus at Nanakramguda, Hyderabad for EDRC, L&T Chennai
16	CE	2016-17	Dr.T Shashidhar	Surge analysis of Dr.B.R.Ambedkar Pranahitha Chevella Lift Irrigation Scheme Package 27
17	CE	2016-17	Dr.T Shashidhar	CFD analysis to assess the functionality of surge pool of Kaleswaram Project Package 10



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18	CE	2016-17	Dr.T Shashidhar	Surge analysis of Dr.B.R.AmbedkarPranahitha Chevella Lift Irrigation Scheme Package12
19	CE	2016-17	Dr.T Shashidhar	Providing technical support for the project 'Rehabilitation and Revitalization of the Bidar Karez
20	CE	2016-17	Dr.T Shashidhar	Third Party Inspection of Orange Category Industries
21	CE	2016-17	Dr. Vineeth N Balasubramanian	Training on Deep Learning
22	CE	2016-17	Prof KVL Subramaniam	Vetting of Structural Designs of proposed U.S.Consulate complex at Survey No.115/1, Nanakramguda(V)m Serilingampally(M), R.R.(D),Hyderabad Telangana State
23	CE	2016-17	Prof KVL Subramaniam	Vetting of Structural Designs of Structural bearings of ROB for Viswa Infrastructure and Services Pvt Ltd
24	CE	2016-17	Dr.T Shashidhar	Phase 3 of Package 3 of JCR Devadula Lift Irrigation Scheme Scope of the Project:1.Surge analysis of surge pool 2. Surge pool optimization 3.Studying tunnel Hydraulics
25	CE	2016-17	Dr. Sireesh Saride	PRLIS - Formation of Kurumurthyraya Reservoir - Pachege 13 & Package 15
26	CE	2016-17	Dr. Sireesh Saride	Proof Checking of Gabion Walls-Yadagirigutta Temple Development Authority
27	CE	2016-17	Dr.T Shashidhar	Kaleshwaram Project of Package 17-Hydraulic Design-checking



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S.No	Deptt	FY	Name of the Principal Investigator	Title of the Project
<b>Department of Chemical Engineering</b>				
1	CHE	2013-14	Dr.Kriti Chandra Sahu	The fluid Dynamics of Bubble and Drop: Motion, Deformation and Breakup
2	CHE	2015-16	Dr.Vinod Janardhanan	Development of Chemical kinetics model and integrated pulverised coal fired furnace performance model software.
3	CHE	2016-17	Dr.Kishalay Mitra	Optimization of mechanical properties of hot rolled steel using evolutionary as well as classical approaches
<b>Department of Chemistry</b>				
1	CHY	2015-16	Prof. Faiz Ahmed Khan	Providing an Expert Opinion on US5688792 about present of CHFA/PHPFMA/ZODIAC-IV impurities in Ex-5 (Step 1 to 5) / Ex (Steps 6 & 7)
<b>Department of Computer Science &amp; Engineering</b>				
1	CSE	2015-16	Dr.T Bheemarjuna Reddy	MSRI Rx Lab program 2015 to support internships at IIT Hyderabad, Coordinator Dr.Bheemarjuna Reddy Tamma
2	CSE	2015-16	Dr.Vineet N Balasubramaniam	Research- Machine Learning & Applications



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S.No	Deptt	FY	Name of the Principal Investigator	Title of the Project
<b>Department of Electrical Engineering</b>				
1	EE	2013-14	Dr.Sumohana Chanappayya	Perceptual measures for image quality assessment, task-dependant compression, detection and recognition
2	EE	2013-14	Dr.Soumya Jana	Multi-view sensing for pre-processing, recognition,and compression of visual data
3	EE	2013-14	Dr. VASKAR SARKAR	Comprehensive Framework for the planning energy Management of a Microgrid
4	EE	2015-16	Dr.Kiran Kumar Kuchi	MSR India Unrestricted Research Grant 2015 awarded to Prof Kiran K Kuchi for collaborations of TV White spaces (Equivalnet of US & 20K)
5	EE	2015-16	Dr.G.V.V.Sharma	Feasibility study on low complex Digital Pre-Distortion(DPD) Algorithm for Industry Appliance Power amplifier
6	EE	2015-16	Dr.Amit Acharyya	Design and Development of Smat ECG System
7	EE	2015-16	Prof.KVL Subramaniam	Vetting of Structural Design of proposed E-governance Center at Pattom,Trivandrum Kerala for KSITM
8	EE	2015-16	Prof.KVL Subramaniam	Vetting of Structural Designs of Proposed Construction of buildings for Interim Government Complex Building 1&2 at Amaravati City,Guntur District, Andhra pradesh for SPCL
9	EE	2015-16	Dr.B.Venkatesham	Acoustic Analysis of Periodic Structures
10	EE	2015-16	Dr.Anil Agarwal	Vetting the design of a 90 m.tall ground based square angular tower with wind speed of 180 kmph to be installed in Tamilnadu



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S.No	Deptt	FY	Name of the Principal Investigator	Title of the Project
<b>Department of Liberal Arts</b>				
1	LA	2015-16	Dr.Mahati Chittem	The Changing lanclscapes of survivorship: A psychosocial study of cancer from a multi-stakeholder perspective



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S.No	Deptt	FY	Name of the Principal Investigator	Title of the Project
<b>Department of Mechanical &amp; Aerospace Engineering</b>				
1	ME	2009-10	Dr. Raja Benarjee	Vetting of Designs & Drawings of EOT Cranes
2	ME	2012-13	Dr.B.Venkatesham	Vibration and Acousting analysis of Compressor
3	ME	2012-13	Pravinmayak Eswaran/ Dr.B.Venkatesham/Raja Benarjee	Design and Development of a System for ICV BMP-II for Condition Based Monitoring (CBM) in a Networked Environment
4	ME	2012-13	Pravinmayak Eswaran/ Dr.B.Venkatesham/Raja Benarjee	Remote Assessment of Residual Mission Reliability of an AFV through Condition Based Monitoring of Tank T-90S (Phase-II)
5	ME	2014-15	Dr.B.Venkatesham	Flow Modifiers & Its effect on Noise Control
6	ME	2015-16	Dr.B.Venkatesham	To Improve Audio Sound Quality-Analyzing the sound parameters of Audio/Speakers for India
7	ME	2015-16	Dr.B Venkatesham	Development of Noise Attenuation Methodology for single stage axial fan
8	ME	2015-16	Dr.B.Venkatesham	Development of transformer noise attenuation methodology using numerical models and experimental measurements
9	ME	2015-16	Dr. Raja Benarjee	Flow & Conjugate Heat Transfer analysis of AC induction motor CFD
10	ME	2016-17	Dr.Nishanth Dongari	Tribal welfare department Digital Portal for Human Resource Development
11	ME	2016-17	Dr. B Venkatesham	Study of Two-Pole Motor Noise Reduction
12	ME	2016-17	Dr.Badarinath Karri	Off-Road Vehicle Design & Manufacturing Competition
<b>Department of Materials Science &amp; Metallurgical Engineering</b>				
1	MSE	2013-14	Dr.Saswata Bhattacharya	Dislocation simulation in particle strengthened materials
2	MSE	2014-15	Dr.Saswata Bhattacharya	Modeling pearlitic transformation in steels using phase-field method
3	MSE	2015-16	Dr.Pinaki Prasad Bhattacharjee	Service charges for the equipment of MSME Dept for the external users