

## Maharaj Vijayram Gajapati Raj College of Engineering (Autonomous)

*Approved by AICTE, New Delhi, permanently affiliated to JNTU GV, Vizianagaram, Listed U/S 2(f) and 12 (B) of UGC act 1956, and Accredited by NAAC and all UG programs and MBA accredited by NBA (Tier 1)*

Vijayaram Nagar Campus, Chintalavalasa, Vizianagaram – 535005

Phone: 08922-241199, 241732, e-mail: [principal@mvgrce.edu.in](mailto:principal@mvgrce.edu.in); [www.mvgrce.edu.in](http://www.mvgrce.edu.in) (College Code: 33)



### ADMISSIONS OPEN

**Department of Civil Engineering at MVGR is offering M.Tech. (2 year Full-time) Structural Engineering with an intake of 18 since 2012.**

**College code for AP PG ECET Web Counselling: MVRG1**

**Eligibility:** B.Tech. in Civil Engineering with 50% marks.

**Selection:** AP PGCET or GATE. A few seats are available under B category.

**TUTION Fee:** Rs. 50,000 per year.

**Hostel:** Decent accommodation for students within campus with hygienic and nutritious food is available. The approximate charges are **Rs. 96300/-** for both Boys and Girl hostels.

**Bus Fee:** MVGR provides transport facility by bus from Vizianagaram, Cheepurupalli, Bobbili, Srikakulam, Visakhapatnam, Kurmanapalem, Scindia, Sabbavaram, Kottavalasa, Pendurthi, Simhachalam on payment mode. The charges are dependent on distance and various other factors and may range from about **Rs. 16,000/- to about Rs. 38,000/-** per annum approximately.

**Contact:** Dr. S Murali Sagar Varma, Associate Professor & Head of the Department  
9676918761; [hod.civil@mvgrce.edu.in](mailto:hod.civil@mvgrce.edu.in)

**OR**

Dr. P Markandeya Raju, Professor; 9440528403 (*WhatsApp*); [markandeyaraju@mvgrce.edu.in](mailto:markandeyaraju@mvgrce.edu.in)

### EXECUTIVE SUMMARY OF THE DEPARTMENT

The best human and laboratory infrastructure combined with an ample variety of available learning resources rank the Department as one of the best Civil Engineering departments in a private college in North Coastal Andhra Pradesh. A perfect blend of academic, research and industry experience among the faculty and staff provides an ideal platform for the students to build a strong foundation in Civil Engineering. The college as well as the Department has one of the best students – staff ratio among all the private engineering colleges in the state. Labs are equipped with state-of-the-art equipment and libraries are flooded with digital and printed resources. Alumni of the department are highly employable and are well placed in reputed companies, organizations and academic institutions across the globe.

The Department faculty are alumni of reputed national and international institutes and some of them have decades of industrial experience in national and multinational companies in India and abroad. All Doctorates are registered PhD guides in reputed universities and guide Doctoral degree aspirants within the department as well as outside the college. 5 scholars (4 in Structures and 1 in Water Resources Engineering) have been awarded PhD under the guidance of the faculty of this department.

<b>Human Resources</b>	<b>20 Faculty members 30,000 sft. built up area</b>	<b>Other Strengths</b>	<b>UG Program accredited by NBA TIER 1</b>										
	<b>9 Faculty with Ph.D. (5 in Structures)</b>		27 lakhs worth grants from SERB-DST/AICTE for conduct of Faculty development programs and International conferences										
	<b>12 Faculty with IIT/NIT/US university degrees</b>		<b>Rs.1.74 Cr worth grants from DST</b>										
	<b>10 faculty pursuing Ph.D. (3 in IITs, 5 in NIT, 2 in state univ.)</b>		<b>Rs. 31 lakhs worth of Consultancy</b>										
	<b>3 faculty guided 5 scholars and guiding 12 scholars for Ph.D.</b>		2 Cr. worth equipment Including Rebound Hammer, UPV, Loading Frame, Data taker Software: STAAD.Pro, ANSYS, Mike SHE etc.										
	<b>Faculty with Industry work experience</b>												
	<b>160 + papers till date (ASCE, TRB, Taylor &amp; Francis, Springer, Elsevier)</b>												
<b>7 patents granted, 5 published and under examination</b>													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PROGRAMME</th> <th style="text-align: left;">YEAR</th> <th style="text-align: left;">No. OF SEATS</th> </tr> </thead> <tbody> <tr> <td>B Tech (Civil Eng.)</td> <td>2009</td> <td>60</td> </tr> <tr> <td>M. Tech (Structural Eng.)</td> <td>2012</td> <td>18</td> </tr> </tbody> </table>			PROGRAMME	YEAR	No. OF SEATS	B Tech (Civil Eng.)	2009	60	M. Tech (Structural Eng.)	2012	18
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The Department provides standing consultancy in design and drawing of civil engineering structures to Greater Vishakhapatnam Municipal Corporation and Vishakhapatnam Urban Development Authority and the faculty have been invited for several consultancy assignments in the past. State-of-the-art equipment in the laboratories and experienced staff have impressed the Vizianagaram Municipality which has entrusted the Department to carry out 3<sup>rd</sup> Party Quality Control and Quality Assurance for all civil engineering works undertaken by Vizianagaram Municipality.

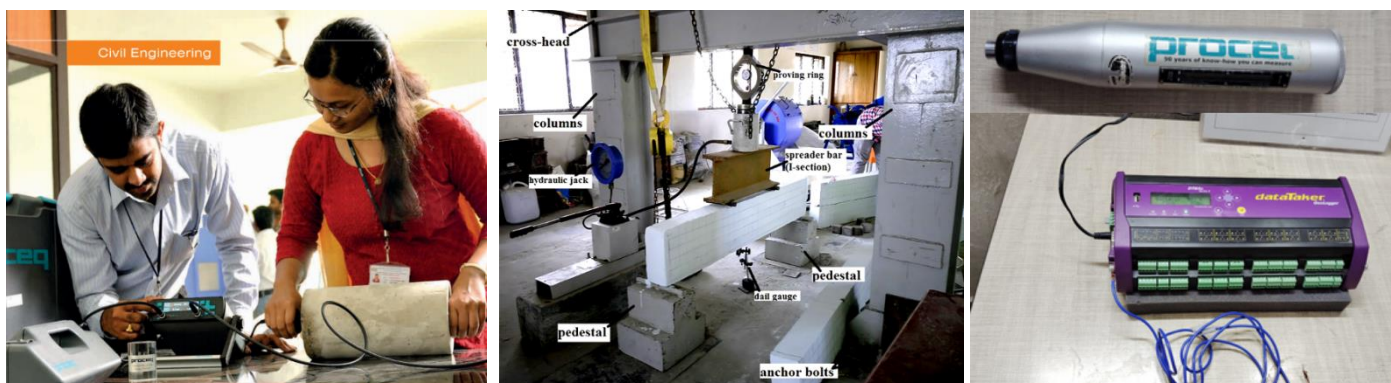
The Industry Institution Participation Cell in the Department is always on the hunt for mutually beneficial associations with industry in the fields of research, workshops and training. Individual faculty members and the Department are registered with major professional bodies and sponsored workshops and seminars are conducted to encourage ‘Capacity Building’ in the Department. Faculty members attend training programs conducted by National Agencies, World Bank, Asian Development Bank, CII and other reputed organizations. Multiple guest lectures by eminent civil engineering professionals are arranged in the Department so that students and faculty stay abreast with civil engineering work outside the college. Several add-on programmes are conducted in the Department to increase the employability of the students. Local chapter of the Andhra Pradesh Pollution Control Board and the Department conduct workshops to increase awareness on environmental pollution control and sustainable natural resource usage. ACC Cements Pvt. Ltd., and the Department together conduct Mason’s training programmes to sensitise the Masons on good building practices.



Students are taken out on frequent Industrial tours to supplement their class room learning with hands on exposure through practical learning. The students, parents, alumni, industry experts, academicians and researchers provide feedback on the Department’s performance on a continuous basis to help the department achieve its objectives, stay competent and taste success in all its endeavours.

In an attempt to keep learning of our students to be in-tune with what is expected in the industry and to cover the latest developments in technology, the department has a Board of Studies (BoS) constituted with eminent personalities from Construction Industry, Academics and distinguished alumni who have kindly consented to be a part of it. It would meet once/twice every year to review syllabus, course material, lab infrastructure, supplementary learning processes and recommend changes that would help us equip our students with skills needed to meet the ever-dynamic needs of the Construction industry. The BoS will also recommend some advanced topics on which we can have guest lectures and seminars organized for the benefit of the students.

The Department is equipped with State-of-the-art laboratories where students enjoy learning through experiments. Laboratories have respective lab manuals prepared by experienced in-house faculty members which provide students with easy and in-depth learning of all the experiments. The equipment also caters research needs of post graduate students and PhD aspirants. Equipment is well maintained and regularly calibrated to serve in consultancy works and quality control & quality assurance assignments undertaken by the department.



**NDT (UPV Testing Equipment, Rebound hammer), Loading Frame with hydraulic Jack and 16 Channel DATA Logger**



## FACULTY DETAILS

### PROFESSOR

Dr. P. Markandeya Raju	M.E. (Structures), Ph.D. (JNTU)
Dr. S. Chandramouli	M.Tech. (Water Resources Engg., NIT Warangal), Ph.D. (AU)

### ASSOCIATE PROFESSOR

Dr. S. Murali Sagar Varma Head of the Department	M.Tech. (Structures, IIT Roorkee), Ph.D. (IIT Hyderabad)
Dr. V R Sankar Cheela	M.Tech. (Env. Engg., NIT Trichy), Ph.D. (IIT Kharagpur.- Curtin Univ., Australia)
Dr. A. Varaprasad	M.Tech. (RS & GIS, NIT Warangal), Ph.D. (IIT Hyderabad)
Dr. P. Sudheer	M.E. (CTPM), Ph.D. (AU)

### DISTINGUISHED ASSISTANT PROFESSOR

Mr. Rajendra Prasad Singh	M.E. (Structures), (Ph.D., AU)
Dr. S. Siva Bhanu Sai Kumar	M.E. (Structural Engg. and NDM), Ph.D. (AU)
Dr. K. Santosh Kumar	M.E. (Structures), Ph.D. (JNTUK)

### SENIOR ASSISTANT PROFESSOR

Dr. V. Vinay	M.E. (Structures), Ph.D. (AU)
Mr. B. Ramu	M.Tech. (Geotechnical Engg., IIT Guwahati), (Ph.D., NIT Trichy)
Mr. T. P. Sreejani	M.E. (Environmental Engg. & Management), (Ph.D., NIT Rourkela)
Mr. S. Purushotham Rao	M.Tech. (Structures, JNTUK), (Ph.D., NIT Trichy)
Mr. W. Sai Deepak	M.Tech. (Structural Engg. and NDM), (Ph.D., AU)
Mr. Kalyan A V S	M.E. (Hydraulics, Coastal and Harbour Engg.), (Ph.D., IIT Hyderabad)
Mr. B.V. Joga Rao	M.Tech. (Transportation Engg., IIT Kharagpur), (Ph.D., IIT Kharagpur)

### ASSISTANT PROFESSOR

Mr. G. Rahul Reddy	M.S. (Transportation Engg., University of New Mexico, USA) (Ph.D., NIT Rourkela)
Mr. A. Sai Kumar	M.Tech. (Water Resources Development, IIT Roorkee)
Mrs. M. Sai Priya	M.Tech. (Transportation Engg., NIT Rourkela), (Ph.D., NIT Rourkela)
Mr. L. Sankarrao	M.Tech. (Water Resources Engineering, NIT Warangal), (Ph.D., IIT Hyderabad)

## Program Structure for M.Tech. @ MVGR in line with AICTE Model Curriculum)

SEMESTER - I						
S. No	Course Code	Course Title	L	T	P	Credits
1	A2SET101	Advanced Structural Analysis	3	-	-	3
2	A2SET102	Advanced Solid Mechanics	3	-	-	3
<b>Program Elective - I</b>						
3	A2SET201	Advanced Reinforced Concrete Structures	3	-	-	3
	A2SET202	Theory and Applications of Cement Composites				
	A2SET203	Theory of Structural Stability				
<b>Program Elective - II</b>						
4	A2SET204	Analytical and Numerical Methods for Structural Engineering	3	-	-	3
	A2SET205	Structural Health Monitoring				
	A2SET206	Structural Optimization				
5	A2SEL101	Structural Design Lab	-	-	4	2
6	A2SEL102	Advanced Concrete Lab	-	-	4	2
7	A2SET105	Research Methodology and IPR	2	-	-	2
8	A2ACA5XX	Audit Course-I	2	-	-	0
Total Number of Credits						<b>18</b>

SEMESTER - II						
S. No	Course Code	Course Title	L	T	P	Credits
1	A2SET103	FEM in Structural Engineering	3	-	-	3
2	A2SET104	Structural Dynamics	3	-	-	3
<b>Program Elective - III</b>						
3	A2SET207	Advanced Steel Design	3	-	-	3
	A2SET208	Design of High Rise Structures				
	A2SET209	Design of Masonry Structures				
<b>Program Elective - IV</b>						
4	A2SET210	Design of Advanced Concrete Structures	3	-	-	3
	A2SET211	Advance Design of Foundation				
	A2SET212	Design of Industrial Structures				
5	A2SEL103	FEM Laboratory (ANSYS)	-	-	4	2
6	A2SEL104	Numerical Analysis Laboratory	-	-	4	2
7	A2SEP401	Mini Project	2	-	-	2
8	A2ACA5XX	Audit Course-II	2	-	-	0
Total Number of Credits						<b>18</b>

SEMESTER - III						
S. No	Course Code	Course Title	L	T	P	Credits
<b>Program Elective - V</b>						
1	A2SET213	Design of Pre-stressed Concrete Structures	3	-	-	3
	A2SET214	Mechanics of Composite Materials				
	A2SET215	Fracture Mechanics				
<b>Open Elective</b>						
2	A2OET301	Business Analytics	3	-	-	3
	A2OET302	Composite Materials				
	A2OET303	Cost Management of Engineering Projects				
	A2OET304	Industrial Safety				
	A2OET305	Operations Research				
A2OET306	Waste to Energy					
3	A2SEP402	Dissertation Phase-I	-	20	-	10
Total Number of Credits						<b>16</b>

SEMESTER - IV						
S. No	Course Code	Course Title	L	T	P	Credits
1	A2SEP403	Dissertation Phase-II	-	-	32	16
Total Number of Credits						<b>16</b>

### Audit Courses

1	A2ACA501	Constitution of India
2	A2ACA502	Disaster Management
3	A2ACA503	English for Research Paper Writing
4	A2ACA504	Pedagogy Studies
5	A2ACA505	Personality Development through Life Enlightenment Skills
6	A2ACA506	Sanskrit for Technical Knowledge
7	A2ACA507	Stress Management by Yoga
8	A2ACA508	Value Education

## Distinguished Alumni (Past 9 batches)

REGD. NO.	NAME OF THE STUDENT	Current Position
<b>ENTREPRENEURS</b>		
18331D8710	SAGI SURYA PRIYATHAM VARMA	MD, Priyatham Consulting Services (PCS), Vizianagaram (Entrepreneur)
14331D8701	BANKA VENKATA KRISHNA	FREE LANCE Structural Engineer
13331D8714	NAVEEN KUMAR SANIVADA	CHINMAYI ASSOCIATES, M.D (Entrepreneur)
12331D8706	PURIPANDA N DANTESWARA RAO	Danteswari Enterprises, Visakhapatnam.
16331D8707	KUMMARIGUNTA KALYAN CHAKRAVARTHY	Structural Consultant, Vizianagaram.
<b>HIGHER STUDIES</b>		
18331D8712	SARAGADAM SAILAJESH	MS PhD in USA
17331D8714	SHAIK LAL MOHIDDIN	Former Asst. Professor, VIGNAN / Regular PhD Scholar NIT Warangal
15331D8701	BATTU RAMESH KUMAR	MS PhD in USA
<b>STRUCTURAL ENGINEERS</b>		
12331D8705	MD MOHSIN	Structural Design Engineer, ABU DUBAI
12331D8707	RAJESWARA RAO MOIDA	Structural Design Engineer, ABU DUBAI
13331D8703	BODDEPALLI SUDHAKAR	Sr. Manager (Sales & Marketing), JSW Cements
13331D8704	ELLA GOWTHAMI	Structural Design Engineer, POWER PLANT L&T, CHENNAI
13331D8708	K RAJASURYAPRATAP	INDIA BULLS Real Estate, Visakhapatnam
13331D8715	SHAIK UMMAR SHAREEF	Campus ENGINEER, GITAM, Hyderabad.
16331D8702	ENUPACHAPPALA PRASANNA BABU	Site Engineer, HPCL
16331D8703	GARBHAPU PRATYUSHA	JUNIOR DESIGN ENGINEER, SHPL, HYD
16331D8704	KANCHARLAPALLI SUNIL KUMAR	Structural ENGINEER, APARNA CONSTRUCTIONS

16331D8705	KANEKE SAI KUMAR	CONSULTANCY
16331D8706	KARRI PRASANTH KUMAR	ANSYS ENGINEER
16331D8708	PERLA MONICA	NDT CONSULTANCY, IDDC ENGINEERS PVT. LTD
16331D8712	YABAKA GOPALA KRISHNA	ROKRETE RMC
17331D8705	GHANTA PRAVEEN	CYIENT
17331D8713	REDDI YOGEEESH	Structural Engineer (DESIGNING (QA)), Hyderabad / KCP Cements.
18331D8711	SAKETI CHAKRAPANI	ARCHITECT (REVIT ARCHITECTURE)
18331D8705	GOTRU CHANDRAMUKHI SAI	ENGINEER, AECOM
18331D8717	VASANTA SATYA CHAITANYA	ENGINEER, CONSTRUCTIONS
19331D8701	BERI ASHOK KUMAR REDDY	PROJECT OFFICER, ICSR, IIT MADRAS
19331D8702	BUDDHARAJU VASISTA VARMA	SOFTWARE ENGINEER ASSOCIATE, ACCENTURE, HYD
19331D8703	CHELLURI VINAY	SITE ENGINEER, VSKP
19331D8705	JALLU VIKASH	QA/QC ENGINEER, VISWASAMUDRA ENGINEERING PVT. LTD
19331D8707	MAMIDI MURALI PRABHAKAR	STRUCTURAL DESIGNER, GVPR ENGINEERS LTD.
20331D8701	MUDDINENI NAGA PRABHAVATHI	Structural Design Engineer, POSSIBUILD Building Technologies, Hyderabad.
20331D8702	PIDUGU PAVAN	Assistant Project Manager, Triple I Engineers, Hyderabad
15331D8708	KALLA JAGADEESWARI	Assistant Professor, VIGNAN and later in Contacts division of a Highway construction company in KERALA
<b>SOFTWARE INDUSTRY</b>		
19331D8704	GORLE RAMESH	ASSISTANT SYSTEM ENGINEER, TCS, CHENNAI
19331D8709	TIRUMALESH DUBA	Assistant Systems Engineer, TCS, HYD
<b>FACULTY IN ENGINEERING COLLEGES</b>		
12331D8704	MADDI R V S G GUPTHA	Assistant Professor, DIET, Anakapalli. (pursuing PhD at CUTM, Odisha.
13331D8705	GORRIPOTU SUPRIYA	Assistant Professor, Aditya Engineering College, Kakinada
13331D8716	BUDDHA SREE HITHA	Assistant Professor, JNTU-GV, Vizianagaram
13331D8718	TALLAPRAGADA SAI DATTA PHANINDRANATH	Assistant Professor, JNTU-GV, Vizianagaram
14331D8704	KOLLIPARA V G MANI KANTA SREE RAM	Assistant Professor, BMS SVH College of Engineering, Machilipatnam
15331D8707	JALLU CHINNAMMADU	Assistant Professor, SITAM, Vizianagaram and later SACHIVALAYAM
17331D8701	BORRA RAMSAGAR	Assistant Professor, Aditya Engineering College, Kakinada
17331D8706	GORLE GOUTHAM KUMAR	Assistant Professor, SITAM, Vizianagaram
17331D8712	RANDHI TULASI	Assistant Professor, MIRACLE Engineering College, Visakhapatnam.
17331D8715	TARUNI BANDARU	Assistant Professor, VISAKHA Engineering College, Visakhapatnam.
<b>GOVERNMENT DEPARTMENTS</b>		
13331D8710	LAKSHMI GANESH SANKABATULA	SITE ENGINEER, ENDOWMENTS Department
18331D8713	SIRAGAM SOMESH KUMAR	Assistant Engineer, ITDA
18331D8702	BORA JOGI NAIDU	Assistant Executive Engineer, MANSAS Educational Trust, Vizianagaram
15331D8710	RAPARTHI GANESH	Assistant Professor (Contact), IIIT Nuzividu and SACHIVALAYAM
<i>Over 20 passed out students are working in various capacities in Grama SACHIVALAYAMs.</i>		