an Evolutionary **Revolution**
in Engineering **Education**...

MVGR College of Engineering

Approved by AICTE, New Delhi & Permanently Affiliated to JNT University, Kakinada
Graded 'A' by NAAC and Accredited by NBA
Listed Under 2(f) and12(b) of UGC Act.

THE FOUNDER

Dr. P.V.G. Raju (1924-95), *Raja Saheb of Vizianagaram* was a renowned statesman. Raja Saheb was an embodiment of righteousness, humanism and philanthropy.

Despite his royal background and his acclamation to be the last crowned prince of Vizianagaram, Raja Saheb attributed meaning to life in the service of humanity taking socialism a beacon of hope and strived until his last breath for the cause of social upbringing.

Raja Saheb believed that true development of a nation becomes real only by means of successful and sincere implementation of socialism.

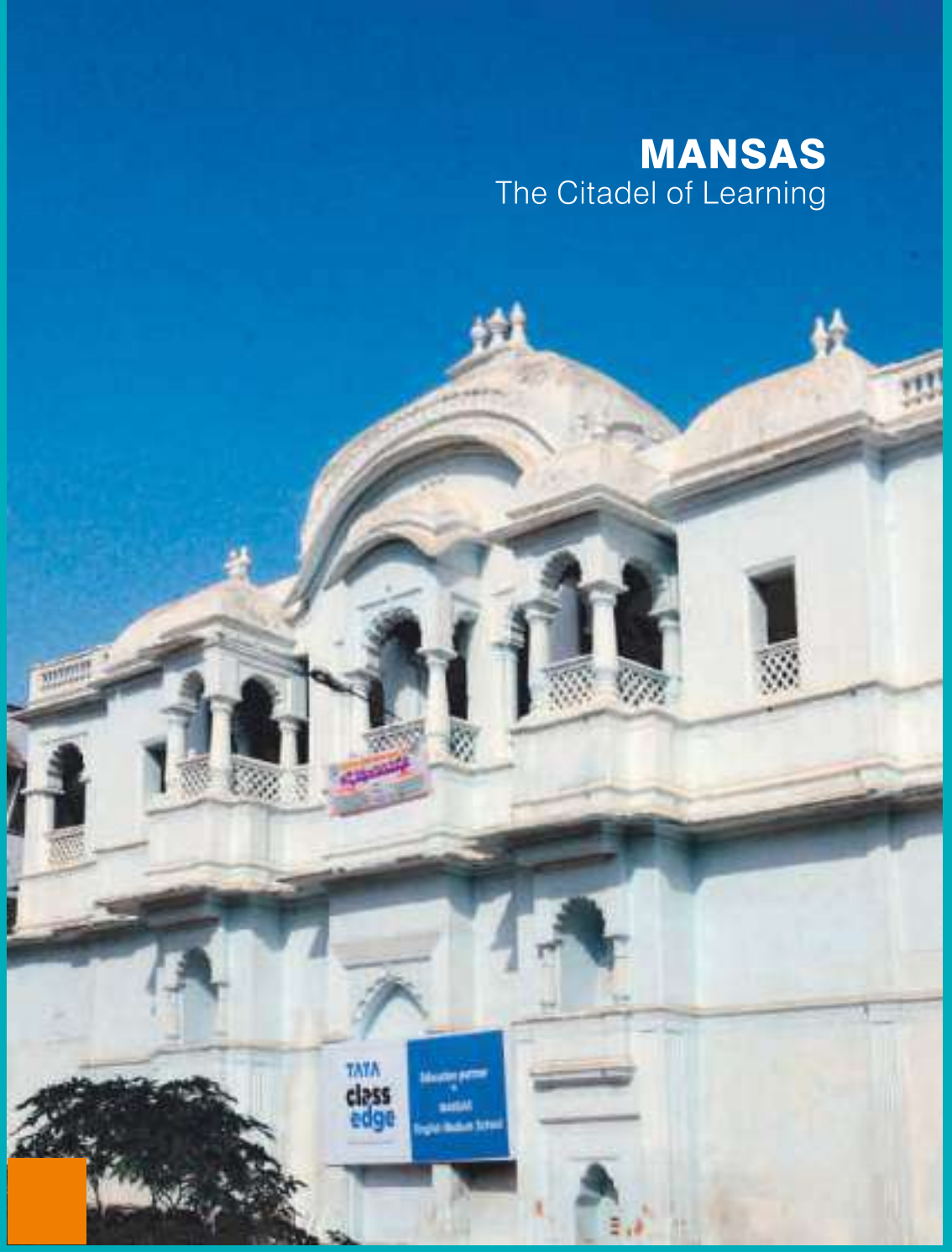
Raja Saheb was a man who was never simply confined to mere statements but to conform to translate them into reality.

Dr. PVG was the first prince to plea the government to abolish system of estates even before the act of abolition of estates had gained momentum.

In line, all the royal assets including his royal palace had been munificently donated by the Raja Saheb for the cause of humanity and to perpetuate the service for the cause of education being rendered by his ancestry.

Besides all his virtues of humanism and philanthropy, Raja sahib got culminated in his spiritual attainment and elevated to the status of “Rajarishi” under his Spiritual guru, Swami Gnanananda.

Institution Name	Estd.
M.R. High School	**1857**
M.R.College (Autonomous)	**1879**
M.R.College of Education	**1950**
M.R.Women's College	**1962**
M.R. Girls High School	**1974**
M.R. Model High School	**1974**
M.R. English Medium School	**1979**
M.R.V.R.G.R. Law college	**1987**
M.R.P.G College	**1987**
M.R.V.R.G.R.-II Memorial Jr. College	**1994**
MVGR Colllege of Engineering	**1997**
M.R. College of Pharmacy	**2004**



MANSAS
The Citadel of Learning

The Legacy

Landscaping the
Learning to the Times
Since 1857

Maharaj Alak Narayan Society of Arts & Sciences (MANSAS), an Educational Trust with an altruistic approach was established in 1958 in the name and in hallowed memory of his father by Dr. PVG Raju, Raja Saheb of Vizianagaram. By establishing the Trust, Dr. PVG brought education from prefatory to post graduation under single umbrella sacrificing even his Royal Palace which is now glorifying as “Citadel of Learning”.

The Trust under the guidance of Dr. P. Anand Gajapathi Raju, Chairman, MANSAS and Sri.P. Ashok Gajapathi Raju, Vice-Chairman, MANSAS is potentially developing by adding Graduate and post-graduate programmes in diversified disciplines such as Engineering, Management, Pharmacy etc. The mission of the society is purely **'service to society'** by providing quality education and striving for social upbringing .

Dr. Pusapati Anand Gajapathi Raju
Chairman, MANSAS

Dr. P.Anand Gajapathi Raju is a multifaceted personality with great composure; a man of intellectual integrity and humanitarianism. He always aspires to contribute to the nation of his best for its social and economic development. He believes that the roots for it lies in empowering education.

As peoples' representative he strived for the fruits of education to reach to all the classes irrespective of their economic and social inequalities. His contributions to the cause of education are invaluable. He was the Minister for Health and Education for the state of Andhra Pradesh and also was the Member of Parliament during 1984-89 and 1991-96 from Bobbili Constituency.

As Chairman of MANSAS Educational Trust, he is straining every nerve for the education to reach out the proletariat in its true form. In recognition of his contribution to the cause of education, American University of Humanistic studies has conferred Honorary Doctorate on him in 2003. He was awarded Doctorate in Economics by Andhra University for his work on economic policies in society in 2009.

सत्यमेव जयते

Sri Pusapati Ashok Gajapathi Raju
Vice-chairman, MANSAS,
Honorable **Union Minister** of Civil Aviation
Government of India

Ashok Gajapathi Raju is an exemplary personality in the arena of political service. He is noble by means at public life, simple by means in his personal life, ultimately he is the man studded with secularism, humanism, humility and intellectuality.

Following the footsteps of his visionary father Dr. P.V.G.Raju, he has made public service as sphere of interest and distinctively discharging it in its true form. He is acclaimed to be an ideal politician for his upright principles of democracy; truthfulness to public service; and for his honesty and modesty.

He has been in the service of public as a legislative representative over three decades and playing a prominent role in charting the growth and development of Andhra Pradesh in all perspectives. He held Ministries of Commercial Taxes, Excise, Finance and Legislative, Revenue, Relief and Rehabilitation and added glory and brought grandeur to them with his magnificence and humbleness. He is remarkable for his simplicity and glorifying for his idealness.

Dr.K.V.L.Raju
Principal, MVGR

Dr. K.V.L. Raju is a passionate teacher, committed researcher, successful administrator and an appreciable academician. Best Thesis award from Andhra University was conferred on him for his outstanding thesis work done for the award of his Ph. D. He has been rendering his services as Principal since the inception of MVGR College of Engineering and shaping it to be an evolving center for academic glory. The grandeur of the college in its amenities and academics exalts his endearing endeavors in promoting the objectives of nobility.

Nature always wears
the colors of the spirit

The serene spaces of learning and the experiences that get tucked in between the spheres of free-thinking and conceptual understanding have a congruous binding to the lush green foliage and structured entities absorbed into the lap of nature. The campus spread over 43 acres has alleys extending a warm welcome to reach the palatial structure of the administrative block.

The flora and fauna share a valuable space with people, enhancing the basic instincts of an Engineer in the making. The experience of learning under the shades of huge trees soothing the mind with dew drops become a unique possession as far as the probing ambience of MVGR is concerned. The aroma of ripening mangoes, flavors of rain drenched blackberries, the purifying breeze of the neem have everything to offer a nursing sense to the minds of vigour. The tender wings perched on the minars extending the waves of colours, symbolize the academic freedom of the institution. The teak plantation along the fencing offers a spectacle of warmth reception. The canopy of mute leaflets in the orchard represents the scope of blooming cells.

The Ambience

If one way be better than another, that you may be sure is nature's way.

Aristotle

The innovative stints could be perceived in every corner of the campus thus lighting the path of fulfillment. The well-trimmed plants symbolize the refined academic structures of the institution that guide the students in their journeys .The moisture on the leaflets drooping down during monsoon carves a picture of dazzling droplets taking a shape offer a valuable message to the student community making MVGR reach the pinnacle of excellence.

The Evolution...

MVGR College of Engineering – an epicenter of academic excellence - has been making perpetual progress in imparting value based technical education to promote promising human resources of the country since its inception in 1997.

The institute is situated amidst lush green flora that enhances the instinct of learning incognito in the engineering minds. It is highly committed to promote technocrats to their true values holistically being imbibed with social responsibility and technical know -how in line with the ethos of global service by providing all possible platforms to experience innovation, industry-institute collaboration, outstanding academic and infrastructure resources.

The college has moved forward from a humble beginning with 4 departments and 200 students in 1997 to a current regular intake of 840 students. It offers Bachelors Degree in Civil, Chemical, Computer Science, Electronics and

Communication, Electrical & Electronics, Information Technology and Mechanical Engineering. It also offers Post Graduate courses in Engineering, Management and Computer Applications. The college has churned out many university rankers and gold medalists and its alumni are spread across the globe. Many alumni are holding key positions in Government, MNCs, Education & Research Facilities and Private sector of India.

It is really a rare phenomenon that the college has the convention of bagging University Gold Medals since its first batch itself and the accomplishment of success has been furthering through. The institution boasts of its success by achieving University Gold Medals in almost all Branches of Engineering offered by the institution. It has a very good track record in obtaining single digit ranks in GATE, and appreciable scores in GRE, TOEFL, IELTS etc.,

The college is provided with state of the art laboratories which host equipment even beyond curriculum. The campus spreads over 43 acres of land. Spacious Class Rooms, dedicated Laboratories, Seminars Hall for each department in addition to Central Auditorium, Conference Halls, Gymnasium, 8 acres playground equipped with turf pitch, basketball court and all essential amenities are provided to proffer education to its true meaning and purpose.

The College has provided hostel facility with student-learning-friendly ambience and amenities. It has also undertaken commuting facility by providing a fleet of buses to students who commute from Vizianagaram and Visakhapatnam.

The Library boasts of its collection from antiques to android versions and stacks of titles and tons of volumes apart from digital editions and ample journals subscriptions of both national and international. It also facilitates access to more than 6000 online journals through the portals of INDEST, ASME, IEEE, ASCE, EBSCO, J-Gate etc. The college features Wi-Fi and 16 mbps internet connectivity to all the labs as well Digital Library.

Every year, 840 under graduate and 290 Post Graduate aspirants and strains its every nerve in shaping them to be holistic Citizens of the nation.

AICTE Approved

JNTUK Affiliated

Gate Way to Global Careers

- All its eligible Under Graduate programmes and MBA PG programme accredited by National Board of Accreditation (NBA)
- Institution is accredited by NAAC with 'A' grade.
- JNT University , Kakinada has awarded permanent affiliation.
- **Govt of India,** Ministry of Micro, Small and Medium Enterprises (MSME), has recognised the institution as one of the very few institutions country wide as its "Business Incubation Center ".
- Students over the years have received university level gold medals .

The Recognition

NBA Accredited

NAAC " A " Graded

UGC U/S 2(F) & 12(B) Listed

Regular compliance with norms has earned the college a Permanent Affiliation by Jawaharlal Nehru Technological University (JNTU), Kakinada. All eligible Departments have been accredited by National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE). The college commitment to process, quality and academic excellence has been rewarded by “Rated Grade-A” by the National Assessment and Accreditation Council (NAAC) of the University Grants Commission (UGC). The college is due to apply for a 'Deemed to be University' status by the UGC.

Vision and Mission

Quality Policy

An Effective Source of Technical Manpower for the
Nation by constantly upgrading the quality of Tech
needs of the Society and effectively coordinating
Industry while keeping the ethical and moral stand

Mission

The management believes imparting quality education in an atmosphere that motivates learning as a social obligation which we owe to the students, their parents/guardians and society at large and hence the effort is to leave no stone unturned in providing the same with all sincerity. Towards that end, the management believes special focus has to be on the following areas:

Have on-board staff with high quality experience and continuously updating themselves with latest research developments and sharing that knowledge with students.

Having a well stream-lined teaching-learning process that is continuously assessed for effectiveness and fine-tuned for improvement.

Having state-of-the-art lab and general infrastructure that gives students the necessary tools and means to enhance their knowledge and understanding.

Having a centralized department focused on improving placement and internship opportunities for our students and coordinating the training programs for students to complement the curriculum and enhance their career opportunities.

Having advanced research facilities and more importantly atmosphere to encourage students to pursue self-learning on advanced topics and conduct research.

e Nation and to contribute to the growth of the
nnical Education by meeting the challenging
the activities of the Staff, Students and the
dards required

Vision

Maharaj Vijayaram Gajapathi Raj College of Engineering strives to become a center par excellence for technical education where aspiring students can be transformed into skilled and well-rounded professionals with strong understanding of fundamentals, a flair for responsible innovation in engineering practical solutions applying the fundamentals, and confidence and poise to meet the challenges in their chosen professional spheres.

Courses & Programs

B.Tech Chemical Engineering
B.Tech Civil Engineering
B.Tech Computer Science & Engineering
B.Tech Electronics & Communication Engineering
B.Tech Electrical & Electronics Engineering
B.Tech Information Technology
B.Tech Mechanical Engineering

M.Tech Computer Science & Engineering
M.Tech Computer Networks & Information Security
M.Tech Machine Design
M.Tech Power Systems
M.Tech Structural Engineering
M.Tech VLSI

MBA

Value Addition

Saga of Service

Mahrajahas are in the service of Education for the last 150 years.

The Learning Process

A

INDUSTRY-INSTITUTION INTERACTION

An Engineer has to maintain a fine balance of innovation coupled with practicality in accelerating the progress of the world. MVGR facilitates room for thorough exposure in the form regular industrial visits and Guest lectures that enable the students to get exposed to different patterns of updated knowledge.

Knowledge from the Shelves & Eminence

MVGR Central library is an abode of knowledge with an enormous collection of books, Journals and magazines covering various disciplines of learning. The library accommodates about 15K plus titles and around 30K+ volumes apart from the digital library that houses IEEE and ASME online journals in addition to Indo-U.S collaboration material with a good number of video courses on different engineering subjects that infuse interest among the students. The other resources include NPTEL video lectures and learning material designed by National Institute of Technical Teacher's training and Research (Under Ministry of HRD) Chennai.

TEACHING-LEARNING PROCESS

The process of exploring the hidden talents of the students by providing a congenial environment that can broaden the approach becomes the prerequisite of academic exposure. The relationship shared by the teacher and the student in MVGR establishes a base of collaborative learning where it facilitates a platform to think and apply the ideas in practical terms. Further MVGR focuses on personal counseling, which becomes the back bone of learning process enabling a compassionate edge to learner centric instruction. Besides it holds Guest Lectures, Seminars, Workshops on circular & beyond curricular topics by inviting the eminence of the country.

Real time Learning Projects

The students of MVGR are encouraged to take up mini projects where they come to terms with the working procedures of the industries to bridge the gap between conceptual thinking and practical thinking.

Computer Science

Certifications

In order to keep the students abreast of the upcoming technologies and industry trends, the Department trains students in several International Certifications. CSE has taken the following initiatives to fill the gap:

- WDP members with Oracle to provide International Certifications OCJP in Java Programming and OCP in Oracle Databases.
- Microsoft Platinum Members offering certifications in leading Microsoft Technologies.
- CCNA Academy that offers certifications in leading Networking Technologies.
- CEH certifications for training the students in Security and Network Defense.
- Skill Development Center in association with Bob Technologies, Bangalore to train the students in Web Technologies and live projects with clients from all over the world.

2nd AMONG INDIA'S MICROSOFT ED-VANTAGE PLATINUM CAMPUS.

The Department is imparting quality engineering education and preparing its students for real world challenges. Besides Under Graduate program, CSE also offers two M.Tech. courses (CSE and CNIS) and has been recognized as a Research Center and therefore can offer research guidance leading to award of Ph.D. degree by JNTU, Kakinada.

The Department has state of the art facilities for carrying out projects in Computer Graphics, Computer Vision, Networks, Distributed Systems, WebTechnologies and Artificial Intelligence. Students are encouraged to come up with their own ideas and the Department provides all the facilities required to materialize the ideas into actual projects. Many of the student Projects have won awards in various competitions. Students under the guidance of faculty publish papers regularly in reputed journals and conferences. The Department has Student Chapters like CSI, IEEE and aims at tapping the innate abilities and offers suitable platform for students to participate and share their views on the latest changing technology. Our alumni have done extremely well and their achievements include managing top companies, designing revolutionary products, and contributing to fundamental research.

The Salience

- Established incubation center to promote entrepreneurship .
- Working on Live Projects .
- Campus Offshore Devolvement Center for Bob Tech Solutions, Banglore.

The Department has well equipped laboratories and a highly qualified and committed team of faculty of about 30, who have graduated from various reputed institutions like IITs, NITs, etc., out of whom 5 are doctorates. Other members are also engaged actively in their research work. The Department has the distinction of undertaking R&D Project funded by DST in collaboration with the Mechanical Department.

Chemical Engineering

Ensuring the Environmental Safety through its R & D

The Department of Chemical Engineering which has been in existence since 1997, was accredited by NBA and also accredited by NAAC of UGC with 'A' Grade. With state of the art lab facilities like a full-fledged Environmental Testing Laboratory and sophisticated equipment such as HPLC, UV-Spectrometer for R&D activities, a standarised curriculum and experienced faculty members, it churns out the best chemical engineers every year. The Department comprises faculty with diverse group of research interests, out of 16 faculty of which 5 are doctorates, 2 are to-be doctorates and others are actively engaged in their research. The Faculty published more than 100 papers in reputed national & international journals and also published more than 10 books. The faculty is also engaged in review of many papers of reputed international and national journals.

The department has good track record of winning University Gold Medals consistently. The Department is Proud to state that it has bagged 3 University Gold Medals.

Chemical Engineering

Transforming the Societal Landscapes through Chemical Engineering

Under the auspices of the department, the college has filed a Patent [4308/CHE/2012] titled “Separating Anacardic Acid from the Cashew nut shell liquid”

An MOU has been singed with Gram Taranga Foods, a Unit of Centurion Univeristy.

Undertaken environmental testing activity of the District.

Civil Engineering

Laying Foundations for Geo-friendly Ecological System

MAKING LEARNING EXPLORATIVE BY PROVIDING INFRA BEYOND CURRICULUM

The blend of five elements of nature and the building blocks of human creativity together contribute to the science of palatial structures of the world. The Department of Civil Engineering with excellent experimental and computational facilities provide a platform for students in quenching the thirst of Knowledge and understanding. The Department has well qualified and experienced Faculty members with 5 Doctorates. Most of them are Alumni of IITs, NITs and other reputed institutes in India and USA working with a constant zeal to update themselves in the respective fields of Interest.

The department has the state-of-art-laboratories and infrastructures beyond the regular curriculam that caters to R&D like NDT equipement including Ultrasonic Pulse Velocity, Rebound Hammer (Pandit) etc.

The students are in a continuous sojourn in acquiring hands-on experience by absorbing the stimulating approach in the precincts of the Department.

The Department in its endeavor to establish a base in the arena of Post Graduate programmes offering a course in Structural Engineering. The Department of Civil Engineering has been sprinting ahead in research and also offers consultancy services to various Government and private organizations namely GVMC, Vizianagaram Police Station, AP Road Safety Department, Vizianagaram Municipality, CPWD, RWS etc., Further the Department has been entrusted with 3rd party quality control of all the works under Municipal Corporation, Vizianagaram

Electronics & Communication Engineering

The Department of Electronics and Communication Engineering was established in the year 1997 and evolved as a great entity in providing and promoting core competencies in the field of Electronics and Communications. Academic and research activities are always a priority in inculcating application based learning to prepare young minds to translate their novel thoughts into a physical reality. The primary objective of the Department has been to impart quality education, training and research at Under Graduate and postgraduate level with broad emphasis on design aspects of Electronics and Communication systems. It envisioned the global need of Engineers in the field of Electronics and has been harvesting the vision with world class infrastructure.. It was graded 'A' by NAAC Team in June, 2009. The Department also offers a PG program in VLSI System Design. Major Equipments like Industry oriented Embedded System kits, Advanced Communication systems, Agilent make Vector Network analyzer, Spectrum Analyzer, Digital Storage Oscilloscopes, PC Based Logic Analyzer, Mentor Graphics (HEP-1 & HEP-2) & Xilinx CAD Tools, FPGA Kits, etc. are available in the Department.

Highlights of the Department:

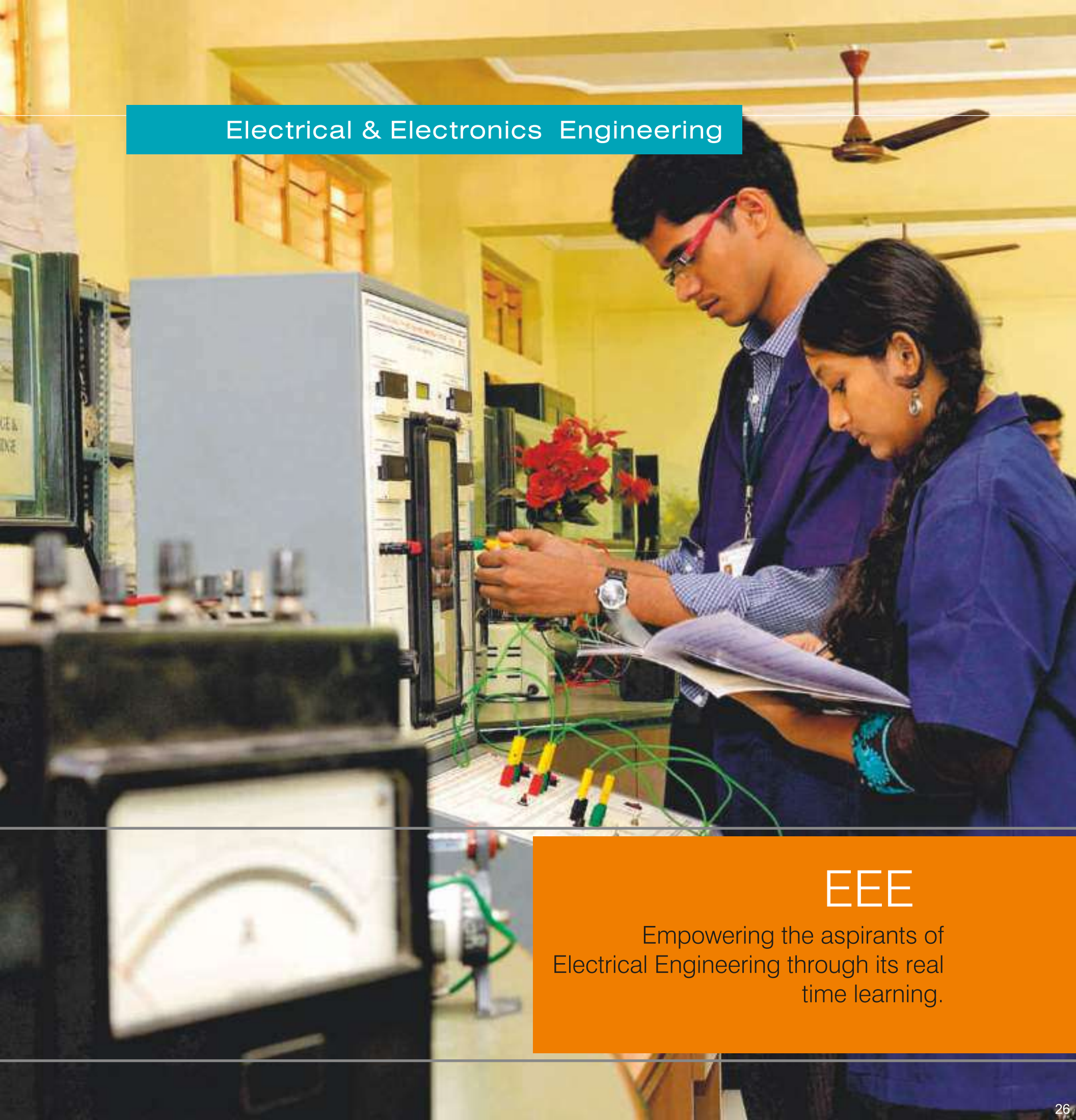
- A project on "Adaptive Traffic Control System" has been sanctioned by Ministry of Micro, Small and Medium Enterprises (MSME). Govt of India.
- Offering 2 value added programs in collaboration with industry for the students.
- Undertaken Embedded Systems Certification Program in collaboration with Thinklabs, IIT, Mumbai.
- Hosts National Instruments LAB VIEW Academy in collaboration with National Instruments, Bangalore.
- Equipped with Vector Network Analyzer (E5071C, 300 KHz to 14 GHz) to undertake consultancy and research activities.
- Procured all advanced VLSI tools.
- Over 230 Research Publications at International and National Journals/Conferences contributed by faculty reflects the zeal of their research bent of mind.

ECE

Enunciating the principles of Electronics & Communication through Exceptional means of Learning

Faculty of the Department are well qualified, highly committed and passionate teachers. Faculty are always open to learning up to date and reflect the aptitude of research. Out of 32 members 5 hold Doctoral Degrees and other members are actively involved in their research pursuits.

Electrical & Electronics Engineering



EEE

Empowering the aspirants of Electrical Engineering through its real time learning.

Promoting industry preparedness through professional body activities.

The Department has state of the art laboratory infrastructure that caters to the experimental Learning. A strong team of about 16 faculty including 2 Doctorates with a right blend of industry, institution and R&D exposure support teaching - learning requirements in addition to offering career guidance. The department strongly believes that besides curricular exposure keeping students aware of the advancements as well emerging trends in academics is of vital importance for the improvement of employability and professional development. As a part of this exercise, it is in deeper engagement with industry partners such as New Dawn Automation in collaboration offering PLC training leading to certification. Department is incubating an organization called 'I-NOT technologies Pvt. Ltd.' and developed 'Community Energy Saver' product to save power bills.

Department illuminating young minds has made its foray by winning University Gold Medal (University All Branch Topper) as a mark of ushering step forward in the journey of success.

The commitment and contribution of the Faculty of the Department in terms of training for competitive examinations like GATE amply reflect on the success of its students. The Department is also known for its zeal in offering internal training both to the Faculty and students in the areas of PLC, MATLAB, LAB VIEW softwares etc.

Mechanical Engineering

TRANSFORMING SOCIETAL LANDSCAPES THROUGH MECHANICAL INNOVATIONS

The holistic structures of human mind stand as a prototype for machines invented by man and the science associated with it has everything to focus on the development of the world. The Department of Mechanical Engineering with an objective to strive towards instilling a pattern of probing tendencies was established during the academic year 1997 with an annual intake of 60 students, enhanced to 120 in the year 2009 and making it to 180 in the year 2011. The Department was accredited by NBA of AICTE and NAAC of UGC with grade ' A'. To effectively meet potential needs of students and also contemporary practice of Industry, the department is working in collaboration with PTC, a global company with a footprint in 32 countries in automobile manufacturing sector.

The advanced products of PTC like Pro-E and windchill are being offered as add-on courses for which the department was conferred "Overall Process Excellence" center .

. Centre for Industry Integrated Design & Development (CIID) was launched giving impetus to the view of enhancing students' exposure to industry and its requirements, thereby improving employability.

The students of the Department with exceptional zeal of innovation have been bagging University ranks since inception and made an exemplary record by being placed in several major MNCs such as Bosch, Caterpillar, TCS, infosys, Wipro, Tech-Mahindra, Cummin, GE, Renault, BEML, L&T, DRDL etc.

The Department has well-qualified and experienced faculty with 9 Doctorates with an inquisitive inclination to expose themselves to the transforming trends as members of reputed professional bodies such as IEEE, ASME, SAE , ISTE, CMSI, ISHMT,IE etc. Its faculty are actively engaged in research projects funded by DST(Dept. of Science & Technology) Research Promotional Schemes funded by AICTE.

The Department has been into the realm of offering a Postgraduate program in Machine Design with an intake of 18 students since 2004. It has its share of contribution in promoting certified training courses in Pro/E and hands-on training in Wind Chill by getting into an MOU with Parametric Technologies Corporation (PTC) of India, the first and the only Institution among Engineering college of Andhra Pradesh Authorized Training Centers.

Information Technology

Preparing Profound Professionals of IT through its MOUs with Talent Sprint and Educonnect.

The Department of Information Technology has been making rapid strides since its inception in the year 2000 both in terms of the quality & experience levels of faculty as well the consistent learning experience of its students. The total intake of the students is 60. Department accredited by NBA and graded 'A' by NAAC produces individuals representing the institution at the University level by bagging gold medals. The Department is equipped with state-of-the-art infrastructure encompassing a wide range of OS platforms and systems software enhancing student learning experience enabling them to develop wide range of web applications to suit real time scenario.

The faculty with diverse experience in different industry verticals and IT specializations offer a unique combination of skill set that can cater to different facets of student learning essential for a successful entry into IT industry. The faculty members of the Department have published more than 40 research papers in reputed national and international journals in the last 4 years in domains of Cloud Computing, Network Security and Data Mining.

IT

INFORMATION & SERVICES, A TOUCH AWAY FOR INFORMATION TECHNOLOGY

The mission of the Department of IT is to impart knowledge, both theoretical and practical, so as to enable the students to take on challenging real world problems upon graduation. Engineering real world and large scale systems is a key component of the IT curriculum, both in the theory courses as well as the labs and correspondingly there is a strong emphasis on team work.

MBA & MCA

Maneuvering Majestic Managerial Minds.

School of Management Studies

The School of Management Studies was established in 2008.The Department offers a full time Masters program in Business Administration. The program is approved by AICTE and is accredited by NBA. The school has been ranked as one of the best business learning centers in the state in terms of learning, administration, promotive research and related activities. The Department has infrastructure catering to the academic needs and promoting true learning. The Faculty members of the Department stand as pillars in supporting the zeal of the students and strive continuously in enriching them with all the essentials of management science.

The Department has contribution to the projects of national importance with members nominated as resource persons by SEBI to organize Financial Education Workshops to various target groups in the society.The Department consistently secured hundred present results over the years reflecting its strength. The School of Management studies organizes National level management meets paving a way to the aspect of moulding students in acquiring life skills to help in their future endeavours.

Master of Computer Applications

The School of Computer Applications was established in the academic year 2007 with a vision to contribute seasoned software professionals to IT sector. It offers a high quality post-graduate programme covering the major areas of computer science. The faculty members are in the trove of reputed professional bodies such as CSI and ISTE and update themselves by attending several Quality improvement programmes organized all over the country.

The facilities of the Department include exclusive labs with 80 systems for Digital Logic & Computer Organization and digital library. The infrastructure of the labs is well equipped with latest software packages and high speed broad band network. The Department encourages students in taking up certification programmes in Oracle and Java and provides a platform to present their skills by organizing national level technical symposiums.

The Department facilitates guest lectures by experts from industries and institutions. Students are deployed to develop case-studies along with various organizations.

English & Humanities

English is the key to unlock the golden door of global opportunities.

Engineering Mathematics

Honing the Humanistic Approach in the Application of Knowledge

Department of English and Humanities

The Department of English & Humanities is the crux of strengthening curricular base for any stream of education. In this global scenario, role of the department has become pivotal especially for engineering stream in promoting the personality of an individual as well preparing the learner to lead the career confidently and capably.

Department has been undertaking the responsibility of training the students to improve their employability skills by delivering the curricular requirements. Meanwhile, identifying the gaps of required learning to devise the activities to be deployed beyond curriculum, the department is endeavoring to expose the students to explorative learning strategies.

The Department has very potential faculty strength to guide the students for their career requirements and transform them to be holistic in their learning. It has faculty strength of 11 members who are dedicated and multifariously talented having been considered the experience and exposure of diversified domains and manifold fields of interest.

The Department is equipped with advanced software platforms such as Renet, Clarity Infinity, and ancillary software Sky Pro, Report Writer, BBC English etc., in addition to many online resources for its Phonetics Lab and Communication Skills Lab activities. The department trains the students in acquiring good communication skills, improving their life skills and honing their skills for employability. The department extends support to the students to help in preparing for GRE, TOEFL, IELTS etc. It also helps the Rural Backdrop Students to drive out the inhibitions of learning English through its Hindu-E-Plus Club and other Professional Body Activities.

Department of Engineering Mathematics:

The Department is the base for understanding technology and technical advancements. The main motto of the Department of Mathematics is Making Engineers to develop the mathematical thinking and applying it to solve complex engineering problems, and design mathematical modeling for systems involving global level technology.

Ever since its inception, the Department of Mathematics has grown in strength and now boasts of having fourteen faculty members of which 7 faculty members have Ph. D's and 5 Faculty members are pursuing their Ph. D. program. Encouraging inquisitiveness in a student throughout so that he would be able to understand the fundamentals of technology. Informing the students with the latest development in science so that they can explore it for development of technology. Imbibing the idea that understanding of an atom is very essential to understand the universe to the students become the ideals of the Department.

Engineering Chemistry

The goal of education is the advancement of knowledge and the dissemination of truth.

Department of Engineering Chemistry:

The Department of Chemistry has been functioning effectively. It stands focused to its Ideals in imparting knowledge and preparing the students towards achieving academic excellence through the acquisition of core competence chemistry & relevance for engineering professionals. The Department is committed to excellence in chemistry by establishing research programs for meeting scientific and technological challenges faced by the ever changing, science centered world of the 21st century. The aim is to produce highly sought after and knowledgeable graduates for pursuing careers with academia, industry and government.

Department of Engineering Physics:

The Department imparts quality education for undergraduate engineering students in the field of physics. The Department possesses highly qualified and experienced staff with 4 Ph.Ds.

The objective of the department is to motivate and inspire the students to have a strong background in basic science for the engineering curriculum and to feed the budding engineer with fine aspects of science, which make them to understand, explore and innovate and contribute to the technological advancement of tomorrow

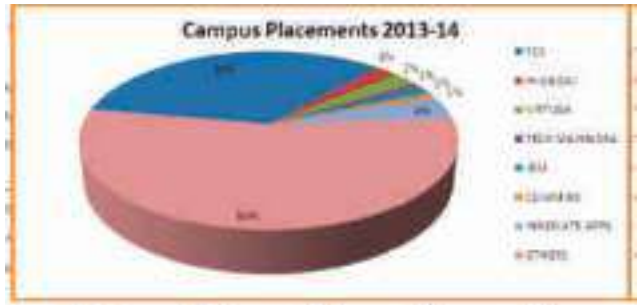
Engineering Physics

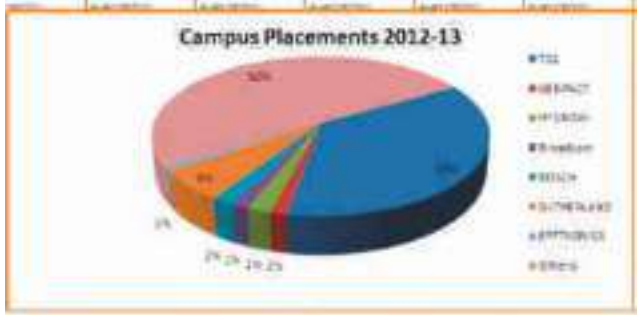
Enrooting the Elements of ngineering to Promote Prospective Engineers.

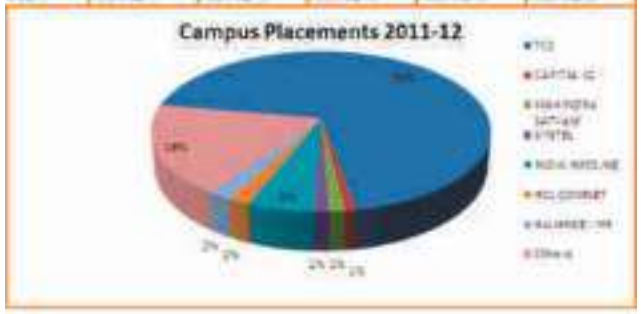
Training & Placements

It is a functional body which helps the institute as well the students to cross check the curricular deliverances and real time requirements through continuous networking with industries of all sectors. It identifies the gaps of skill requirements to avail Career Opportunities for the students and designs and deploys adequate programs to bridge the gap and enhances the scope of employability.

Placement Records of Last 3 years







Education is that holistic system
of human training
within and without the campus walls,
which molds and develops students
and prepares them for promising careers.

Objectives:

- Active networking with industry.
- Identifies industry requirements and develops customized training programmes.
- Identifies student internships.
- Identifies industry ready certificate programmes.

SMARTMILL 500
ASKAR MICRONS
Powered By
BECKHOFF
EtherCAT
Technology Group
Funded By
Department of Science & Technology
Ministry of Science & Technology
SR/S3/MERC/065/2009

Research & Development

ORACLE Certification Programmes of SQL, PL-SQL through Oracle WDP Program.

- SUN Certified JAVA Programmer (Now Oracle Certified) Training.
- CISCO Network Administrator Training (CCNA).
- Embarking on Microsoft Certification Training in Partnership with Microsoft on Microsoft products. It is a Platinum Campus of Microsoft.
- THINK LABS Training on Embedded Systems.
- ACS Training for Electrical Engineers (PLCs).
- PTC Training for Mechanical Engineers.(ProE)
- NI Lab View Training.
- Computer Ethical Hacking Certification Program.

MVGR College of Engineering making active efforts in promoting Research and Development through various academic programmes run by the departments and sponsored programmes funded by National Organizations and Industries.

Academic Research Programmes

About 50 of its faculty are Ph.D degree holders in engineering, management and sciences. Another 80 of them are actively engaged in academic research leading to award of Ph.D.The competency, commitment, dedication coupled with promotive infrastructure and amenities fostering excellence in research of which on an average about 200 publications and presentations are reported annually.

Proposals submitted to JNTU, Kakinada by the department of CSE, ECE, Chemical and Mechanical Engineering have been reviewed and assessed the R&D capabilities of the Institution and it is in the process of actively considering grant for the status of 'Research Centre'. This would facilitate its faculty to directly take admission of scholars for research guidance leading to the award of Ph.D degree.

Prestigious Project

The Department of Science & Technology, Govt. of India has sanctioned a project with funding of ₹ 3,872,000 to be executed in the institution under the guidance of **Dr.Ramesh**, Dept. of Mechanical Engg.

Patent:

A Patent [4308/CHE/2012] titled "Separating Anacardic acid from the Cashew nut shell liquid", by Dr. K.V.L Raju (Principal), Prof. K. M.M. Krishna Prasad, Prof. PV Gopal Singh & Prof. Ch. V. Subba Rao was filed in the month September 2012 after completing Prior Art Search.

MVGR

Innovation Sandbox

shaping institution
for better society

One of the core responsibilities of the educational institution is to nurture students for imparting societal sensitivity and work towards betterment of the society. MVGR College of Engineering under the guidance of MANSAS trust established MVGR Innovation Sandbox to fulfill this noble and humble endeavor. MANSAS educational institutions have done admirable contribution towards educational development in this region. It is connecting legacy and responsibility.

MVGR Innovation Sandbox's primary objective is to create linkages between energetic students, faculty researchers who are working towards social engineering and societal sensitive research, social entrepreneurs who are working for social impact and villages in and around Vizianagaram district which are of the need. Innovation Sandbox provides opportunity to students in terms of mentoring, creating investment opportunities, developing socially responsible leadership, involving the local ecosystem to solve local problems and creating social entrepreneurial mindset.

Sandbox Activity :

- Research on Cow Urine and Cow Dung to enhance organic farming and development of anti cancer and other medicines
- Working towards energy efficient Affordable Biomass Traditional Cooking
- Stove for rural consumption and Solar Enabled Equipment
- Adopted two villages and experimenting Total Village Empowerment
- Development of Eco-Vehicle
- Developing Innovative Technologies to promote Agriculture, Energy, Healthcare, Livelihood and Education.
- Working towards Green Buildings and Simulators in the area of civil infrastructure
- Students are associated with startups and simulating campus-offshore development center- Internship models (application development, testing, surveys, market analysis, etc)
- Joining hands with Industry-CSR Departments to build better society. Adult Literacy Program and Automated Tailoring Software training for rural women empowerment under the guidance of one of the largest Indian IT Companies
- Rural research exploration journeys (Shodh Yatras) leading to paper and book publications, understating rural requirements and corresponding localized technology development
- Launched a program called “Think Beyond Degree 2.0” to make every student participate either in Article Publication or Book Publication or
- Prototype Development or taking existing prototype to market for Real Time Implementation or Apply for Patent or Copyright.

Enjoying the Air of Festivity

CULTURAL ACTIVITIES:

The Cultural Committee of the college traverses with a strong traditional as well as a modern base thus exposing the students' to several platforms making them hone their innate talents. The committee organizes competitions commemorating different events and stimulates the creative edge of the student community.

Professional Bodies:

The instinct of innovation and inquisitive approach of the students gets uplifted through the activities tucked in the clubs established by them. Robotics club, Club Avesha, Contemplators and MEA (Mechanical Engineers Association) Student Progressive Association of ECE (SPACE) organize several events that project the skills of debating, Photography, Painting, concept presentation etc.

The chapters like M.A.A U.S Student Chapter provides a platform to bridge the gap between academics and the Professional world by making the students on roll interact with the Alumni placed abroad.

Tech Fests:

The College supports the students' zeal of exploring the hidden spaces in the way of organizing Tech Fests like Aadhritha, Nimbus, and Spartans etc. They assist them in sharing information and ideas with their counterparts hailing from Prestigious institutions like IITs, NITs and Universities that promote an enabling environment for highly adoptable and challenging careers.

Learn & Let Learn

Edu-Creating to Enrich the Employability

The life of a student in MVGR has fine threads of freedom, individuality and team work weaved together to make a fabric of true learning that can propel the students towards becoming independent professionals in the world. The special occasions in the college have students extending themselves beyond academic interests as they become stakeholders in conceptualizing and materializing the ideas that can make them blossom into complete individuals in the society.

Marching towards
making their careers successful.

SPORTS:

The College has well developed sports infrastructure in place catering to the student needs providing a whole some environment in getting to the stage of inter-university competitions. The volley ball court and gymnasium relieve the students from their routine thus providing moral energy in taking up new challenges. Dr. P.V.G Raju Sports complex developed in collaboration with Andhra Cricket Association have everything to offer in the realm of physical education. The students represent the college at various national level events in Cricket, Volley ball. Basket Ball, Shuttle Badminton, Table Tennis, Tennicoit, Caroms etc proving themselves in all aspects beyond academics.

NCC & NSS

In a way to take forward the objective of social concern in building the nation, the NCC and NSS Units of the institution work in the direction contributing to value based education. The NSS Unit organizes several awareness camps in rural areas educating people in the areas of Health and Hygiene, education, employment apart from organizing blood donation camps. FYFP (From the Youth for the People), a student body undertakes projects in recycling paper waste to distribute note books to the needy and takes an active part in addressing the problems of the society.

Sports

The roots of education are bitter,
but the fruit is sweet.

Transportation

To facilitate the students who are commuting from Visakhapatnam & Vizianagaram, the College runs 22 buses with 25 trips, covering each & every corner of both the Cities.

It also extends bus facility from APSP Battalion to the college for students who are availing public transport from Visakhapatnam on free of cost.

In addition to this, a number of Public & Private Busses are available from Visakhapatnam & Vizianagaram to reach the college for every 5 mins.

Hostel

Guest house

Canteen

The college offers comprehensive hostel facilities within the college campus for girls which provide a homely atmosphere. The college has magnificent hostel with hostel warden in the campus to supervise day to day management. The College makes the best possible efforts to provide the best of services and facilities within the hostels. Adequate medical facilities are also available for the hostellers. The rooms are well - furnished and provide a pleasant stay. Delicious and nutritious food is served under the best hygienic conditions.

There are specific rules and regulations in the hostel which must be followed strictly (to be put up in the respective notice boards).Each room of the hostel is furnished with modern furniture, viz., cot, study table and chair, wardrobe and 24 hour network connection with Internet facility. Other facilities that are provided within hostels include Sports, Television, Newspaper, Magazines, Periodicals, continuous Fresh Cooled water and electric supply. The hostel has a fool proof security arrangement making round the clock vigil in safeguarding the hostel.

The wardens of the hostel reside in quarters adjoining the hostel. All hostels are connected to the Institute and its academic facilities by covered pathways and shady trees which provide protection from rain and sunlight. The environment provides an 'at home feel' for the students.

The Amenities

Amenities on campus invigorate the learning to be lovable and laudable

At MVGR the students can experience good education along with hygienic food offered at the canteen managed by our experienced members of canteen committee. Tea, coffee and snacks will be available during the morning time. At afternoon and at night the students can select their food from the menu which contains vegetarian and non-vegetarian dishes at reasonable rates. The students can have soft drinks and confectionary also from the canteen. There are separate cabins for faculty and members of the staff.

To reach Campus

By Air :

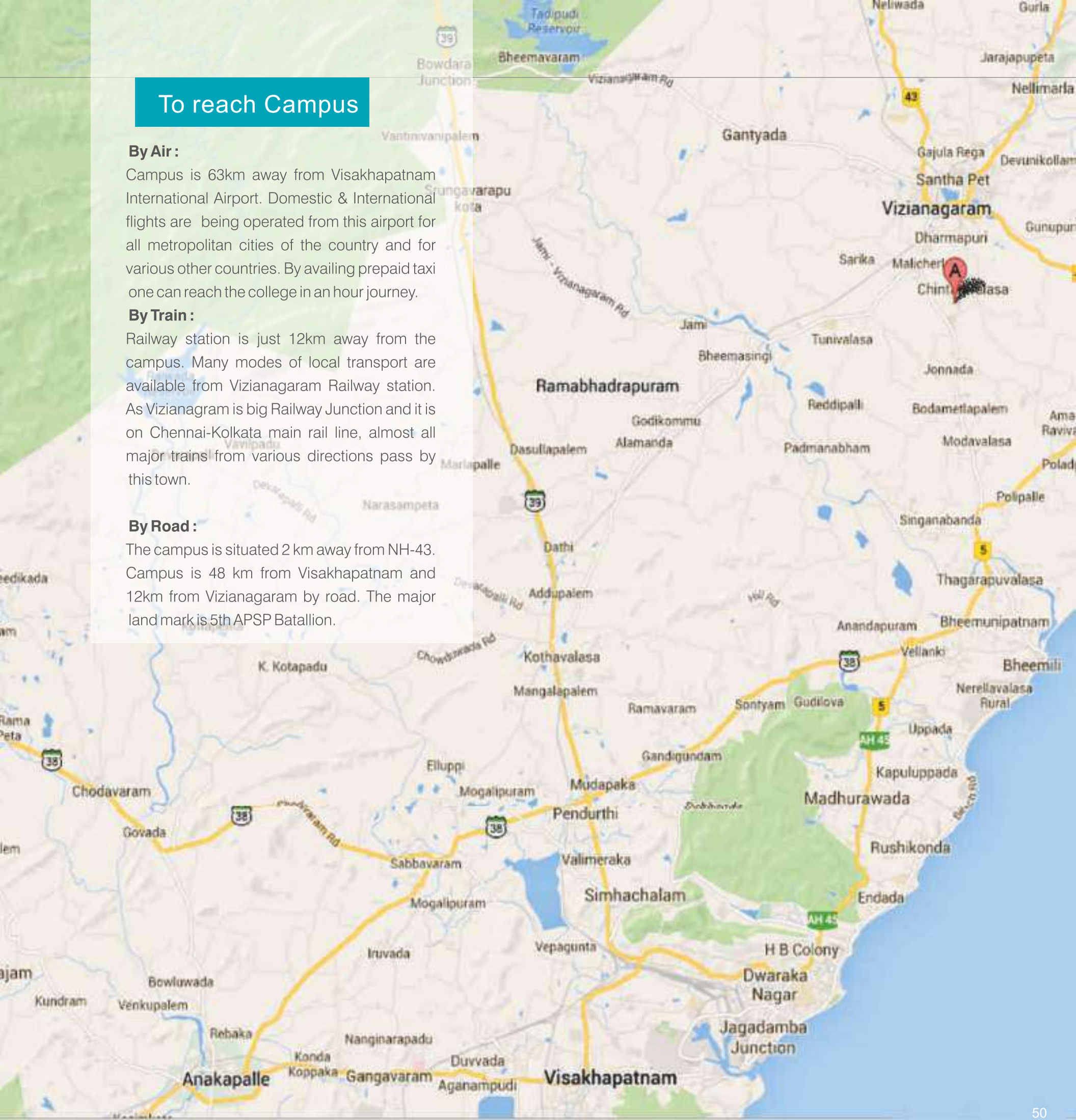
Campus is 63km away from Visakhapatnam International Airport. Domestic & International flights are being operated from this airport for all metropolitan cities of the country and for various other countries. By availing prepaid taxi one can reach the college in an hour journey.

By Train :

Railway station is just 12km away from the campus. Many modes of local transport are available from Vizianagaram Railway station. As Vizianagram is big Railway Junction and it is on Chennai-Kolkata main rail line, almost all major trains from various directions pass by this town.

By Road :

The campus is situated 2 km away from NH-43. Campus is 48 km from Visakhapatnam and 12km from Vizianagaram by road. The major land mark is 5th APSP Batallion.



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