









STUDENT: A..saikrishna (Editor)



CMR TECHNICAL CAMPUS

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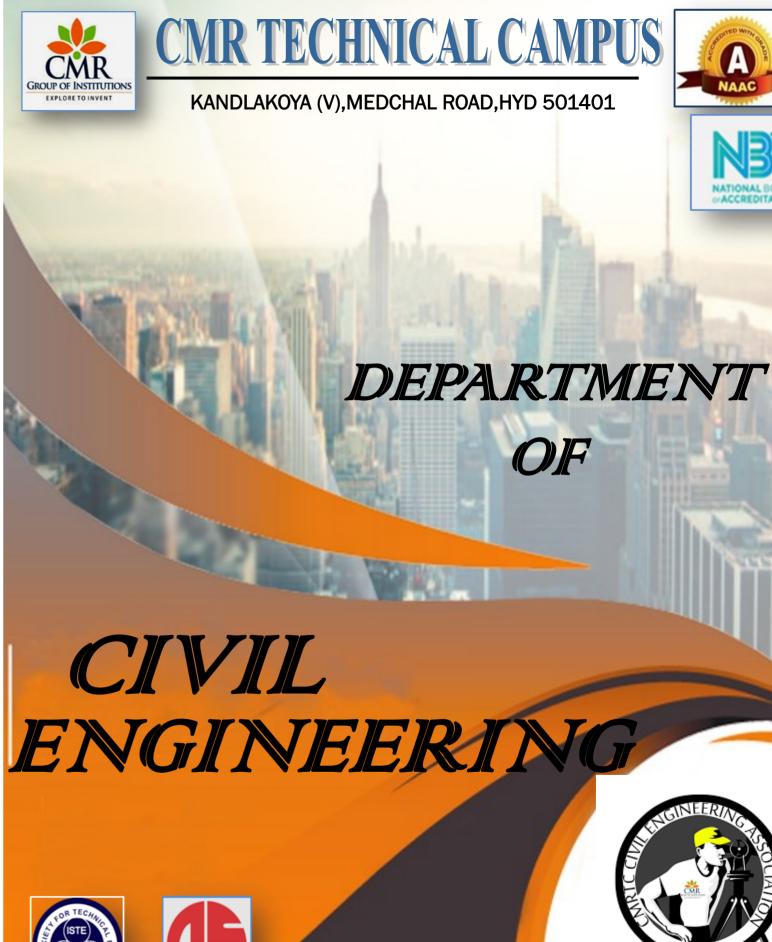


















CIVIL NEWSLETTER

Volume - 6

Civil News Volume—6

CIVIL NEWS (2018-2019)





C.GOPAL REDDY (Chairman CMRTC)

The youth of today are the reckoning force of tomorrow. This implies that imparting knowledge and values to them should be an ongoing process. I convey my best to the Director , Deans, faculty and students to provide highest quality of engineering and management education. I earnestly hope that the entire students of civil engineering department will make the best use of this opportunity. The readers will benefit from the knowledge content. I take this opportunity to congratulate the editorial team which has worked for making the Newsletter.

"Education is the most powerful weapon which you can use to change the world"



C.VASANTHA LATHA (Secretary CMRTC)

I am delighted to know that the Department of Civil Engineering, CMRTC is releasing Newsletter. A 360 degree involvement of the parents, faculty, management and students is of prime importance in this fully established with state of the art infrastructure.

"education is not preparation for Life: education is life itself"



Dr. A.RAJI REDDY (Director CMRTC)

t gives me a great pleasure to introduce the

Civil Engineering Newsletter. I would like to take this opportunity to appreciate the editorial team for the efforts in outing together a wonderful and informative Newsletter. The Newsletter will serve as a mirror reflecting various achievements, aspirations and new initiatives of the institute, its students and teachers. This newsletter will be valuable insight of the institute for all the readers. I hope this Newsletter creates an impact and you would enjoy the Format.

"Education is not learning facts, but the Training of the mind to think"

"Honor your commitments with Integrity"

I would like to felicitate and convey my heartiest greetings to the engineering fraternity on the auspicious occasion of Engineer's Day, which is observed every year on 15th September to commemorate the birth day of Sir Mokshagundam Visvesvaraya, popularly known as Sir M.V., the Bharat Ratna.

<u>Prof.S.V BHASKAR REDDY</u>
(CIVIL HOD)

I would like to thank the Management, Director, Deans, Faculty, Staff and the students who have been doing exemplary support and contributions in the department. Newsletter is believed to be a focus of the inside activities i.e. academics, students and faculty achievement as well as innovation occurring in the department I hope everyone will find this newsletter exciting and interesting.

The Civil Engineering Department was started in the year 2009 with the intake of 60 and revised with the intake of 120 in the 2014. The department also offers one Post Graduate program viz. M.Tech. (Structural Engineering) with the intake of 24. The department has been accredited by National Board of Accreditation and NAAC 'A' grade.

The curriculum is taught by a distinguished faculty combining academic excellence and real world experience with dedication and commitment. The entire Faculty is life members in various professional bodies related to their field of research. The high quality research work being pursued by the faculty and students is very evident from the research papers being published in journals. Counselors counsel the students. Counseling is done for slow learners in order to improve their performance and also

The laboratory infrastructure of the department is excellent with state of art equipments and software related to the field of Civil Engineering. The Department functions with a library with a collection of standard books and IS codes for the faculty and students to refer and enhance their

⇒ "Flexural rigidity in concrete beam by using the crimped steel fibers with rapid hardening admixtures,"IJEAT (article in press)

Dr.V M Sounthararaian. Dr.S. Sivasankar. Dr.T.L. Ramadasu.

- ⇒ "Conceptual concrete mix design for producing the low and high volume of fly ash based fiber reinforced concrete,"IJEAT (article in press)

 K. Dilli Bai, A. Krishna Rao, Dr.VM. Sounthararajan.
- ⇒ Efficiency of Fiber Reinforced Concrete Containing Waste Marble dust and Waste Foundry Sand," IJEAT (article in press)

Dr.V.M Sounthararajan, Dr.T.L. Ramadasu, Dr.S.Sivasankar

- ⇒ Strength development properties of sugar cane bagasse ash blended geoploymer concrete containing waste steel fibers," IJEAT (article in press)

 Dr.V M Sounthararajan, Dr.T.L. Ramadasu, Dr.S.Sivasankar.
- ⇒ Influence of Calcium nitrate in sugar cane bagasse ash and partial replacement of fine aggregate by stone dust IJEAT (accepted)

 Dr.V M Sounthararajan, Dr.S.Sivasankar.
- ⇒ Improving of Engineering Properties of BC Soils in Internalnational Journal of Engineering Research and Technology, vol; 7, issue- 11, Nov 2018 CH.Sudharani, S.Sreelatha.
- ⇒ Properties of Concrete partialy replacing cement with Egg shell Powder, International journal of Scientific development and Research , ISSN: 2455-2631, vol.3, issue 10, PP 190-194, Oct 2018

Prof.S.Vijaya bhaskar Reddy, K.Subhashini, T.Suresh.

⇒ The importance of Admixtures on functioning of Ready Mixed concrete plants, Global Journal of Engineering Science and Research, PP- 53 - 60,Vol-1 dec 2018, ISSN: 2348-8034

A.Nagaraju, Prof.S.Vijaya Bhaskar Reddy, P.Bheem Vardhan, Rama Krishna.

⇒ "Dry Density-Water Content Curves for High Plasticity Clays Treated with Fly Ash, Stone Dust and Combinations "The Journal of Solid waste Technology and management " April, 2019. Pp: 732-742

Dr.T.L.Ramadasu, N.Darga Kumar.

Civil News

⇒ "A study on OMC and MDD variations in black cotton soil with additives "GIJSER, December, 2018.pp: 36-52

Dr.T.L. Ramadasu, N.Darga Kumar

⇒ "A Study on Improvement of Strength Properties of B.C soils with additives "IJCIET.pp:1-10 <u>Dr.T.L.Ramadasu</u>, <u>N.Darga Kumar</u>

CIVIL LABORATORIES

The department has developed the complete infrastructure required for conducting regular theory classes and laboratories for practical's related to B.Tech & M.Tech program. All laboratories are well-furnished with the latest electronically controlled instruments. Our department has seven laboratories namely,

- ♦ Soil Mechanics Lab.
- + Strength of Materials
- **→** Surveying Lab
- **→** Environmental Engineering Lab
- + Transportation Engineering Lab
- ★ Computer Aided Building Drawing
- → Hydraulics & Hydraulic Machinery Lab







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Civil News

CIVIL FACULTY FDPs

- A FIVE DAY FACULTY DEVELOPMENT PROGRAM On "Practical Applications of Total Station in Civil Engineering" from 12th March 2019 to 16th March, Organized by Civil Engineering Department, CMRTC.
- 3 day Faculty Development Program (FDP) and student workshop on "Applications of Total Station Survey in Civil Engineering Program" in association with Universal Survey Solutions, Madhavadhara vuda colony, VISAKHAPAT-NAM-50018.
- One Day Workshop on Bloom's Taxonomy held on 29/3/2019 at UGC- Human Resource Development Centre, JNTUH
- Faculty Development Programme (FDP) on "OUTCOME BASED EDUCATION" Organized by Department of Civil Engineering, Teegala Krishna Reddy Engineering College, from 1st July 6th July, 2019.
- FDP on "Non Destructive Testing on Civil Engineering Structures" Malla Reddy Engineering College, Hyderabad. From 15th July to 19th July 2019

FACULTY ACHIEVEMENTS

Axial Behaviour of square HSS Tubular Members strengthening with CFRP sheets . International Journal of Engineering and Advance Technology (IJEAT), ISSN: 2249-8958, VOL.8, Issue-5, PP.914-919, June19.

Dr.S.Sivasankar, Prof.S.Vijaya bhaskar Reddy.

Axial Behaviour of corroded CHST Members confined with AFRP sheets, Internal Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, vol.8, issue -2, PP.5791-5798 july 2019

Dr.S.Sivasankar, Naroa iyoti Modak.

Numerial Modeling of square steel members wrapped by CFRP composite, Internal Journal of innovative technology and exploring engineering (IJITEE) ISSN:2278-3075, vol.8, issue-10, pp.3082-3087, August-2019

Dr.S.Sivasankar, Dr.A.Praveen Kumar.

⇒ Flexural Behaviour of RC beams using GFRP composites, International journal of Engineering Technology (UAE), Vol.7 (3.12), pp.744-749, Issn:2227-524x

Dr.S.Sivasankar, Bharathy T. Vinodh Kumar

- "Effect of Accelerated Curing on the Furnace Slag Based Polypropylene Fibre Reinforced Concrete "Advanced Material Research 2018. vol. 1150, pp. 91-102, 2018 (H index 28)
- "Empirical prediction models for strength gain properties of fly ash based concrete subjected to accelerated curing," Advanced Material Research 2018. vol. 1150, pp. 73-90, 2018 (H index 28)
- "Dynamic modulus of elasticity of sugar cane bagasse ash in fiber reinforced concrete by using ultrasonic pulse velocity," International Journal
 of Civil Engineering and Technology, vol. 9, no. 10, pp. 166-175, 2018. (H index 12) ISSN No. 09766316, 09766308

Dr.V.M. Sounthararajan.

"Quantitative Methods for predicting concrete plastic shrinkage cracking," International Journal of Civil Engineering and Technology, vol. 9, no. 8, pp. 285-291, 2018.

Dr.S. Sankaran , Dr.V.M. Sounthararajan.

⇒ "Rapid hardening on the strength gain admixture on behavior of concrete with replacement of binary cementitious Materials, International Conference on Emerging Trends in Engineering (ICETE)

R. Kiranmai, A. RohitaSusheela, S. Rajkumar, G. Asheesh, and Dr.V. M. Sounthararajan

⇒ "High Early strength of slag based Fibre Reinforced concrete", International conference, "IJEAT (article in press)

Dr.V M Sounthararajan, Dr.S. Sivasankar, Dr.T.L. Ramadasu.

knowledge. All the class rooms are smart class rooms, to conduct NPTEL courses. All the students are members of ISTE and ACCE and they are participating in various technical presentations.

The department established "Civil Engineering Association" (CEA) in the year 2012, where the students are encouraged to develop their communication skills and presentation skills. The department is constantly encouraging the students to register NPTEL courses and value added courses like Auto CAD, STAAD, etc.,

Industry institute interaction (*SSP*) cell has been working and conducting workshops, guest lectures and practical demonstrations from industrial experts, seminars, career guidance programs, Entrepreneurship awareness programs and also encouraging the students to get hands-on experience in the corporate world through internships, projects and mini projects with reputed organizations, industrial visits, etc.

All the above practices are not sufficient to produce quality Civil Engineers to face the societal problems like environmental pollution due to continuous consumption of natural resources to produce building materials like cement and concrete etc., we produce Civil Engineers who thought of thinking about sustainable building materials, global warming and to produce durable structures to create the wealth to the society.

So.. Save trees - Save Envíronment,
Save Rocks - Save Hills,

Save River sand - Save ground water, Save Nature - Save Future.



Wisdom is a shelter
As money is a shelter
But the advantage of knowledge is this
Wisdom preserves those who have it.



Mrs. P. SOUMYA KIRAN
(CEA Incharge)

It gives me an immense pleasure to pen few lines on the occasion of the release of the departmental yearly Newsletter. This showcases the association activities, faculty and student achievements in present academic year. This Newsletter of department is yet another milestone in the path of progress and we look forward to many more such endeavors in the near future.



Mr.CH.SIDDARTHA
(Faculty Co-ordinator)

present the Departmental Newsletter. I feel privileged in presenting the Civil Engineering Newsletter. This will give us the chance to see the reflection of our progress and achievements. I would like to place on record my gratitude and heartfelt thanks to all those who have contributed to make this effort a success.



K.VIHARI SAI (CEA President)

It is an honor to be the president of CEA. Big things come with big responsibilities. As a president, I feel that it is my duty to encourage other students to develop their skills, over come their stage fear and give them a chance to put their talent under the limelight. Every student must get an equal right to experience and explore the opportunities provided and hence nurture their future. I hope that I can stand up to the expectations of HOD sir, faculty members and students.

I am happy to see the amount of enthusiasm of eminent members of the college towards the Newsletter. It's my privilege to have been asked to prepare the Newsletter. Further I am grateful to thank our HOD, Prof.S.VIIJAYA BHASKAR REDDY for this opportunity to produce Newsletter. My deep thanks to all the Faculty members for being part of this and bring out a tremendous NEWS-LETTER.



(Editor)

DEPARTMENT VISION

To evolve as a Centre of academic excellence and research in Civil Engineering and allied fields

DEPARTMENT MISSION

To train the students with profound understanding of the Fundamentals related to the discipline and their application in Solving real life problems

To promote research and consultancy activities and contribute for the unstainable development of the society

To inculcate self -learning abilities and professional ethics among the students to serve the society

Students Association Activities

JAM SESSION

session, i.e, JAM session. In this session students of 2nd years introthemselves ,telling about future goals and plans after graduation

Along with JAM students were guided to choose What they have to after B-tech Every year our Civil Engineering ,explaining the scope of further studies and Association starts with ice breaking importance of attending competitive exams.

CURRENT AFFAIRS

This session was introduced as a part of our Civil Engineering Association this academic year .It is always good to be updated and aware of the current affairs. So keeping this in mind we made the current affairs session a part of our association activities.

Every Monday a student comes prepared with a ppt about the top 5 on going news, achievements, establishments, discoveries etc.



A college wide Quiz competition held at CMRTC on 30th August 2019.Mrs.Soumva Kiran Asst.professor conducted the Quiz competition

A quiz can function throughout a course as an informative feedback device allowing both the instructor and students whether they are excelling or need more focus

ASSOCIATION BODY

CHIEF PATRON:

Sri. C. Gopal Reddy, Chairman

Smt.C.Vasantha Latha, Secretary Dr. Raii Reddy, Director

CONVENER:

Prof. S.Vijaya Bhaskar Reddy, Professor & HOD

INCHARGE

Mrs.P.Soumva Kiran, Asst. Prof.

FACULTY COORDINATORS:

Mr.G.Jagadeesh Reddy, Asst.Prof Mrs.N.Neena, Asst.Prof. Ms.V. Harini. Asst.Prof.

PRESIDENT:

(IV A) K.Sai Vihari

GENERAL SECRETARY:

Asha patil (IVB) K.. varshini (IV A)

JOINT SECRETARY:

(IV A) D.pavan B.praneeth (IVB) (IVB) Ganesh

TRESSURER:

Y.praneeth (IVB) V.pravalika reddy

MEMBERS:

IV Year

- 1. Nitesh patel 2. Prakash gandhi
- 3. Tejaswini
- 4. K.prafulla
- 5. T.Hari krishna sai
- 6. M. Lakshmi prasanna

III Year

- 1.B.Anila
- 2.M.Nivas rai
- 3.A.Saikrishna 4. B. poojitha
- 5. U.Likhitha
- 5. k. Yashwanth
- 6.Anold Nenson

II Year

- G. Sai vinay
- 2.k.Akshitha 3.G.Adarsh
- 4.M.Chandana

Engineers' day

Civil News

A statesman, economist, enginee par excellence. Mokshagundam Visvesvaraya was one of India's foremost national builders. To pay tribute to this legend, 15th September is celebrated as engineers' day in India. In our college Engineers' day events are organized by Civil Engineering Department. Various competitions are conducted as a part of it. The main events are quiz, essay, poster making, paper presentation, model making.

Models and posters are exhibited on the 15th September where as







Farewell

Saying goodbye is harder when you have made mesmerizing memories in your Btech life. But we make sure that they receive an amazing farewell Dance, songs, games, etc brings all the students together and spreads unforgettable memories in their life. we know the importance of the time they spend here so that they leave the college with hearts filled with joy and bucket full of memories.





Graduation day

Every end has a new beginning. Graduation day might be a day for all of them but we believe that their actual learning will start after this day. Now they have to leave their comfort zone and live their new reality. Graduation day marks the beginning of a new life.





M.Tech (Ph.D)

Professor & HOD

Professor

Dr.T.L. Ramadasu

Professor M.E, Ph.D.

Dr.CH.Srinivasa Rao M.E. Ph.D.

Dr. VM. Sounthararajan Professor

M.Tech, Ph.D.

Associate Professor Dr. S. Sivasankar

M.E. Ph.D.

Mr. P.Sandeep Kumar Assistant Professor M.Tech

Mr.G. Jagadeesh Reddy Assistant Professor M.Tech

Mrs.N.Neena Assistant Professor

M.Tech

Assistant Professor MS, Meena M.Tech

Assistant Professor Mr.D Bhaskar M.Tech

Mr.G. Veera Sankar Reddy

Assistant Professor M.Tech

Mr.CH.Sidhartha

M.Tech

Ms.CH.Sudharani M.Tech

Mr.K.Sudhakar Babu Assistant Professor

M.Tech

Ms.K.Subhashini Assistant Professor

M.Tech

Mr.M Praveen Kumar Assistant Professor

M.Tech Ms.V.harini

M.Tech

Mrs.Sree Latha

Assistant Professor

M.Tech

Mr.A.Naga Raju

M.Tech Assistant Professor

Ms.B Sai Priya M.Tech

Mr.S Trilokhanatha Reddy

M.Tech

Mrs.M.Venkateswari M.Tech

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Assistant Professor

Civil News

CIVIL SPORTS





O .sagar civil 4th year selected For south zone national **kho kho** Held at S.V university tirupati.



Y. Sri jayanth civil 4th year selected For all India inter university **Base ball** held at Delhi.



L. Susheel kumar civil 4th year se lected For south zone **kho - kho** held at S.V university tirupati



P. anish kumar civil 4thyear selected For south zone football held at Pondicherry.



M. Srikanth civil 3th year selected For south zone national kho kho Held at S.V university tirupati.



P. Ravinder civil 3th year selected For south zone national kho kho Held at S.V university tirupati.



E. manish civil 4th year selected For south zone national kho kho Held at S.V university tirupati.



P. Sai kumar civil 4th year selected For All India inter university Net ball Held 11th Indian Open inter engineering collegiate .hyd



CMRTC **kho- kho** team winner at Anurag group of institutions ghatkesar.hyd

CIVIL EVENTS

Orientation day

The major objective of the programme was to make the parents and students aware of the college aspects of the course, the rules and regulations of the institute and ensuring parents participation in monitoring the performance and program of the students

"College life is a bridge from school life to the world work"







ASSOCIATION OF CIVIL ENGINEERING EVENTS

- Power point presentation By students on Industry Oriented Internships
- Debate on current Issues
- Technical Quiz By students
- Just a minute session

GUEST LECTURES

- As a part of guest lecturers, Guest lecture on Hydrology was held on 30th July 2018 by T.I.M.E Institute
- As a part of guest lecture, Guest lecture on GIS application on Traffic Engineering
 was held on 27th August 2018 by Dr. T. Venkatakrishnan B.E., M.E., Ph D Professor ECE
 Department.
- As a part of Guest lecture, guest lecture on sustainable construction technologies
 Was held on 24 September 2018 By Mr. V. V. Krishna Reddy, ACCE Chief Consultant.
- As a part of Guest lecture, Guest lecture on Plumbing Services and Design was held On 22nd October 2018 By kishore bommidi (M-Tech) (HAVC) Master trainer
- As a part of Guest lecture Guest lecture on Canter IQ 2019, Building Information Modelling was held On 11th February 2019 by M.G. Pavanil Branch Manager CANTER CADD
- As a part of guest lecturers on Technical Lecture on Recent Trends in concrete and Good construction practices Was held on 28th February 2019 BY Mr.Nandika Srini-















- Research Internships On 17th September 2018, by Mr. Sanjeeb Paul, Academic Manager, Career Launcher Educate.
- Awareness program on Research Internships on 07 january 2019 By Mr. Krishna, Career Launcher Educate
- Current Affairs on 04 February 2019 by Students of II yr ,Civil Engineering

> CAREER GUIDANCE

- A Session on Career Orientation on 27 august 2018 By Savithri Muthyala,
 Country Manager, Study Path Consultant
- A Session on High Quality Education, General On 24 September 2018 By Mr. BSA Sarma, Marketing Head, Manhattan Review Mr. Shankar, Admission Manager, Career Launcher Educate.
- A Seminar on Career Prospects for Civil Engineering Graduates On 4 February 2019 by Ravi Kumar, Regional Director – NAC











Civil Industrial Tour

Industrial tour has a great importance in a students career .lts consider as a part of college curriculum. Industrial visit helps to combine theoretical knowledge with practical knowledge. The project visited by the students is kaleshwaram project located in bhoopalpally ,Telangana for three days. On the first day, Visit of Nandimedaram tunnel works and on the second day visit kaneepalli pump and lower manner dam.





Students Memberships

ASSOCIATION OF CONSULTING CIVIL ENGINEERING [INDIA] – Accessing the Civil Engineering Spirit





Updating the latest emerging trends in technologies by way of its various information dissemination activities is the sole motive of the body with recent innovations happening in civil engineering infra-structural framework is going through evolution. There is a great need to improve the standards of civil engineering, bring civil engineers up to speed on the latest technological advancements in the industry.

The Association of Consulting Civil Engineers (India) is an organization that has been working on the very area for over two decades now. Association of Consulting Civil Engineers (India) was formed and registered in 1985 by a group of Consulting Civil Engineers in Ban-

The main object of the association is to en-courage and foster the ideals of the profession, to hold conferences/meetings/ seminars for the dissemination of knowledge amongst the civil engineers in particular and the society at large. ACCE (I) with its headquarters at Bangalore.

The Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education System in our country with the motto of Career Development of Teachers and Personality Development of Students and overall development of our Technical Education System. We have student as well as faculty memberships in ISTE.

Internships are a proven way to gain relevant knowledge, skills,

and experience while establishing important connections in the

Internships are also a way to get your feet wet and find out if a

specific field is something you could see yourself doing full-time

N.S.S



National Service Scheme activities held by college include:

'Plantation programme throughout the

'Establishment of Oxygen Park, plantation of oxygen rich plants'

'No Smoking, No Tobacco' in campus area' 'No vehicle Day in college at least twice in a

'Compulsory pollution check-up of 2W/4W'





SAHAYA CLUB

SAHAYA is a Sanskrit word which mean

"HELP".sahaya provides helping hand for all those who devoid to acessing the facilities that are ubiguitous to people otherwise, this is achieved by trying to bride the gap through friendship and support.the mission of sahaya is tohelp the poor and needy students of our campus.









Sports and games in college encompasses more than just the benefit of physical activity. Increases self esteem and alertness. Sports not only empower youth and promote higher self esteem and it not only does empower one but helps one in scoring higher grades. Our college has excellent Kho Kho and handball teams





OJELA NAGARANI

STUDENTS ACHIEVEMENTS

ACADEMICTOPPERS

Sometimes being student and you may not know where to start or you might lack inspiration. Once you start feeling more motivated, you'll be surprised at what you might learn.

CHENNA JHANSI



PLACED STUDENTS

It specially gives an industrial experience

and a communication Skills as well, cau

problems which gone a be come in future

tioning about all kinds of expected

and teaches how to over come it.

NAME	COMPANY	PACKAGE
K V. Anuhya reddy	amazon	2.7
P. RAVI CHAND	RED CARPET	3.2

Our college holds the pride of place being pioneers in the field of engineering and technical education. We have been continuously ranked among the elite by our peers and our constant pursuit of excellence has made our institute a focal point in technical education for students and faculty members alike

"Your time is limited, don't waste it living someone else's life. Don't be trapped by dogma, which is living the result of other people's thinking. Don't let the noise of other's opinion drowned your own inner voice. And most important, have the courage to follow your heart and intuition, they somehow already know what you truly want to become. Everything else is secondary."

INTERNSHIPS