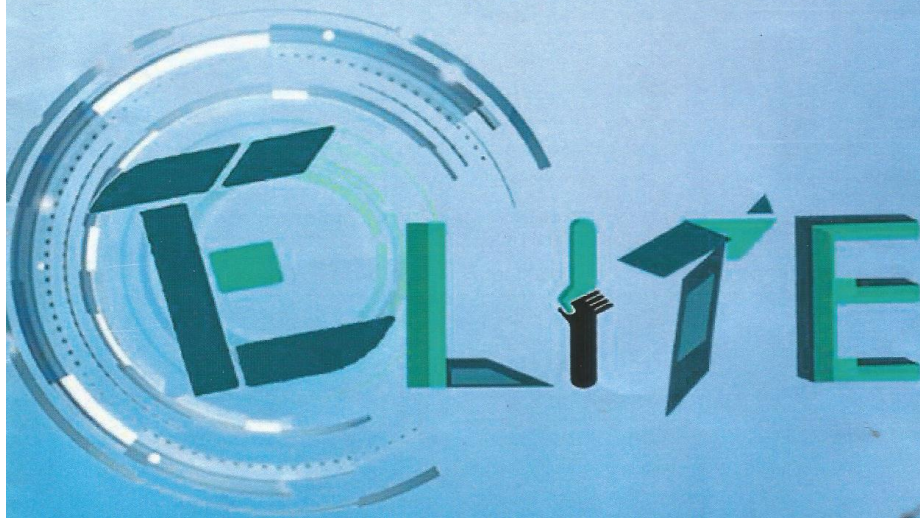


NEWS LETTER

VOLUME -12

INFORMATION TECHNOLOGY
WE DO **IT** TOGETHER



**ETERNAL
LEADING
INFORMATION
TECHNOLOGY
ENGINEERS**



SIR C R REDDY COLLEGE OF ENGINEERING
PERMANENTLY AFFILIATED TO ANDHRA UNIVERSITY, ACCREDITED BY NBA
WEST GODAVARI DIST., ELURU-534007

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President & Correspondent



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Vice-President



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Vice-President



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Secretary



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Joint Secretary



Sri.Maganti Damodara Ravindranath chowdary
Joint Secretary



Smt. Maganti Padmavalli Devi
Treasurer

About Department

Information Technology Department established in the year 2000 with an intake of 60. The Intake was increased to 120 from the year 2011. The department headed by a Doctorate and other 20 faculty members with M.Tech qualification. Faculty members are highly experienced and a unique combination of Teaching and Industry expertise. Dept. of IT consisting 3 computer Labs having 226 systems with latest configuration to meet the requirement of the syllabus. Dept. of IT handles CPNM Course for all the First year students in the Institute. The dept. equipped with modern Teaching aids like E-Class room and seminar presentations using LCD projectors for the benefit of better understanding of the students. The curriculum is updated regularly to keep up with the growing demands and changing trends of the software industry and the research laboratories. Department of IT equips its students not only with the technical knowledge to enable them to meet the challenges of global standards but also integrates value education, environmental awareness and communication skills into its curriculum to mould the students are responsible citizens.

About Elite

ELITE is a departmental student Association consisting of President, Vice president, Treasurer, Secretary and body members who work under the guidance of Chairman and Staff coordinators.

ELITE provides students with knowledge and technical exposure by conducting various workshops and seminars. This student body guides every student to face variety of challenges in real life situations through focused training activities.

All the faculty members in the department are fellow members of IE & All the student members are also the fellow members in different technical associations like CSI, ISTE. Technical ethics alone cannot make the student cope up with rapid technological development. There is a need to improve communication skills. So ELITE becomes a launching pad by organizing different personality development programs.

MESSAGES



Sri. Komma Reddy Ram Babu

President-Sir C.R.R Educational Institutions
Correspondent-Sir C.R.R.C.O.E

I deem it a great privilege to be an essential part of this magnanimous institution. As correspondent of Sir C.R.Reddy College of Engineering, I strongly support the cause of professional courses in the technologically advanced world. Engineering, in particular, is a course that demands innovation and logical thinking and subjects are to be learnt at the application level. The ultimate aim of engineering as a study is to make human life easy and pleasurable. So, it is our duty to hone the talents of the young students who join the institution and make them ready for job and ready for life. Every student must be made to remember that in order to survive in the job market governed by cut throat competition, he should be one among the best. The institution must mould the student and give him an edge over others in attaining success.

Sir C.R.R Engineering College proffers the student with good atmosphere with state of the art facilities, distinguished mentors and pleasant educational environment. The institution holds the aces of assuring the employability and communication skills of students. It provides quality education in an environment of discipline, self-dependent and self-confident individual.SIR C.R.R Engineering college pulls out all the stoops to mould the students career in such a way that they excel in all nuances of life.



Sri. N.V.K.Durga Rao
Secretary



Smt. Magantti Padmavalli Devi
Treasurer

It gives me immense pleasure and I welcome the ANNIVERSARY celebrations of the Institution of Engineers (INDIA) students' chapter, IT Department.Our institution Sir C.R.R.College of Engineering strives to provide a professionally focused educational system and is committed to strong ethical and social values. I wish the event a grand success and my congratulation to all the persons involved.I also admire the editorial board for all the endeavours put in by them in bringing out this spectacular newsletter.

Engineers are not only the people who know how to do things right but who know the right things to do. We at 'Sir C.R.Reddy' try to focus on engineering education to keep pace with mighty changes occurring today in industry, business and society.

We do not believe that effective education can be achieved by what we teach but we base on what our students learn. The ideal learning process is the interaction of students with faculty. Hence it is our responsibility to develop the student faculty interface.

We encourage and facilitate leadership qualities in our faculty and students. For this engineering students shall develop required attributes and knowledge beyond traditional constraints of class rooms. An engineering student shall realize that he has to create connections and stronger partnerships in the global society in which he is embedded.



Dr. G .Sambasiva Rao
Principal

IT

HOD MESSAGE



Information technology literally refers to any development that mainly involves computer-based information systems comprising of software applications and the computer hardware. A more conventional and perhaps contemporary meaning of the information system is the use of electronic systems that can assist towards retrieving the required information. Information technology today permits us to gather, handle and interconnect a gigantic volume of information. And its sustainable development improves its competence, capability swiftness and precisions of any components it provides. Information technology has achieved a lot in this present era and will continue to evolve. It's more than a combination of computers and communication technology.

Information Technology and Computer Science are the soul and psyche of many engineering branches. These fields are instrumental in bringing the world to where it is today. The Bachelor of Information Technology provides students with the knowledge and skills essential to become a multi-skilled IT professional capable of contributing to areas spanning through technological development to strategic planning and business process management and modeling. Engineering is about solving problems of the society for the benefit of the society. The dept. always encourages the students, to promote technological innovation and excellence and to focus on trendsetting initiatives in the field of Information Technology. The dept. student club ELITE always provides a platform for the students to excel their communication and technical skills. I congratulate all the members of ELITE body for their sincere effort to make this magazine as more informatics and colorful.

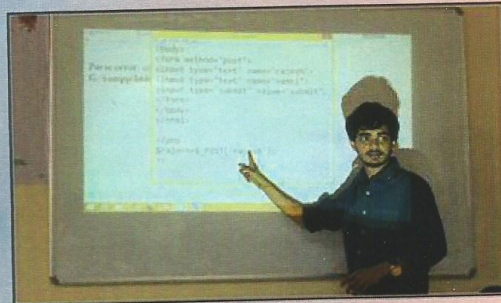
PAPER PUBLICATIONS

| S.No | Faculty Name | Paper Title |
|------|------------------|--|
| 1 | Dr S Krishna Rao | 1. Secure Energy Tradeoffs With Low Power Consumption In Data Transmission Of Wireless Sensor Networks |
| | | 2. Reinforce Parallel K-Means Clustering Using OpenMP: Om K-Means |
| | | 3. The Journey Of Big Data : 3 V' S To 3 2v's |
| | | 4. Advanced Generation Of Color Captcha With Visual Cryptography |
| | | 5. Hybrid Multi Computation Model In Privacy Preserving Fire Wall Optimization |
| | | 6. Cloud Sharing For Economic Benefits |
| | | 7. Energy Based Topology Control In Wireless Sensor Networks |
| | | 8. A Novel Technique For Scalable ,Efficient Deployment Of Software In Cloud Computing Environments |
| | | 9. A Frame Work For Scrutiny Of Secure Data Storage In Cloud Services |
| | | 10. Overcome Of Router/Gateway Problems In Wireless Networks |
| | | 11. Organization Of Web Services :Pronominal Accost Of Constructing Dependable Web Operations |
| | | 12. A Trusted Mechanism For Providing Security Over Cloud Computing |
| | | 13. Fuzzy Neural Networks Using Website |
| | | 14. Malvina Hoffman Vindication Using Network Security System |
| | | 15. A Location-Dependent Data Encryption For Moblie Information System With Key Dependent Permutation |
| | | 16. Data Encryption Technique Using Location Based Key Dependent Circular Rotation |
| 2 | N Prasad | Strategies For Optimal Traffic Flow In Multinode Ad-Hoc Wireless Sensor Networks |
| | | A Point-To-Point Based Cloud Workflow System |
| | | Virtualization Based Scheduling Algorithmn For Parallel Distributed Computing |
| 3 | A M K Kanna Babu | Strategies For Optimal Traffic Flow In Multinode Ad-Hoc Wireless Sensor Networks |
| | | A Point-To-Point Based Cloud Workflow System |
| | | Virtualization Based Scheduling Algorithmn For Parallel Distributed Computing |
| 4 | G Krishnaveni | Icts For The Empowerment Of Rural Women :A Review |
| | | A Comparative Analysis On Cloud Security Issues |

PAPER PUBLICATIONS

| | | |
|----|------------------------|--|
| 5 | K Purna Prakash | Cloud Sharing For Economic Benefits |
| | | The Journey Of Big Data : 3 V' S To 3 2v's |
| | | Reinforce Parallel K-Means Clustering Using Openmp:Om K-Means |
| 6 | K Lakshmaji | Strategies For Optimal Traffic Flow In Multinode Ad-Hoc Wireless Sensor Networks |
| | | A Point-To-Point Based Cloud Workflow System |
| | | Virtualization Based Scheduling Algorithm For Parallel Distributed Computing |
| 7 | N V S K Vijaya Lakshmi | Reverse Accessible In Local Outlier Factor Density Based Recognition |
| 8 | J Malathi | Profitable Association Rule Mining Using Weights |
| 9 | D Srinivasa Rao | Advanced Generation Of Color Captcha With Visual Cryptography |
| | | Hybrid Multi Computation Model In Privacy Preserving Fire Wall Optimization |
| 10 | G Vihari | Encryption And Decryption Based Information Security In Big Data |
| 11 | P Ramaiah Chowdary | Encryption And Decryption Based Information Security In Big Data |
| 12 | K Satyanarayana | Computational Screening Of Drug Bank Database For Novel Cell Cycle Inhibitors |
| 13 | B Lalitha Bhavani | Best Congestion Control Routing In Networks |
| | | A Method For Clustering Mixed Categorical And Numeric Data By Two-Steps |
| 14 | G Pavan | Advanced Generation Of Color Captcha With Visual Cryptography |
| | | Hybrid Multi Computation Model In Privacy Preserving Fire Wall Optimization |
| 15 | N Sameera | A Method For Clustering Mixed Categorical And Numeric Data By Two-Steps |
| 16 | V.Gopinath | Reinforce Parallel K-Means Clustering Using Openmp:Om K-Means |
| | | The Journey Of Big Data : 3 V' S To 3 2v's |
| | | Cloud Sharing For Economic Benefits |
| 17 | Challa Yallmmanda | Reinforce Parallel K-Means Clustering Using Openmp:Om K-Means |
| | | The Journey Of Big Data : 3 V' S To 3 2v's |
| | | Cloud Sharing For Economic Benefits |
| 18 | P Rajendra Kumar | Design Of Rivalize And Software Development To Convert Rdb To Rdf |
| 19 | E Bala Krishna Manash | Design Of Rivalize And Software Development To Convert Rdb To Rdf |

workshops



A TWO DAY WORKSHOP ON PROJECT DEVELOPMENT USING PHP

The workshop is hosted by D.J.rajesh on to CSS,MY-SQL,PHP,Queries and implementation of Queries using MY-SQL. What is project and how to implement using HTML and CSS,java script,Mini project Development using PHP,MY-SQL and Java script.



A FOUR DAY WORK SHOP ON CAREER & SKILL DEVELOPMENT

The work shop is hosted by shridhar jalapati ,k.j.zeenath jain and vamsi krishna on career and skill development. This include personality development and listening skills.



A TWO DAY WORKSHOP ON CYBER SECURITY

A ONE DAY WORKSHOP ON IOT

IT TOPPERS-2015

SEMESTER 01

| NAME | REGD.NO | YEAR/SEC | SGPA |
|---------------|--------------|----------|------|
| R.SAI RAVALI | 313177111029 | IV / IV | 9.08 |
| A.SAIRAMASREE | 314177111004 | III / IV | 8.41 |
| CH.MOUNICA | 314177111016 | III / IV | 8.41 |

SEMESTER 02

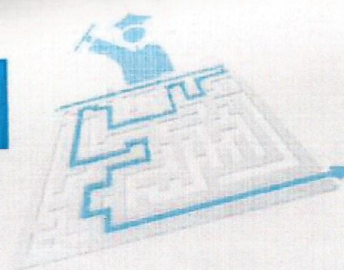
| NAME | REGD.NO | YEAR/SEC | SGPA |
|--------------|---------------|----------|------|
| K.GAYATHRI | 312177111051 | IV / IV | 8.83 |
| R.SAI RAVALI | 313177111029 | III / IV | 9.43 |
| A.V.PRAVEEN | 314177111006 | III / IV | 8.85 |
| K.MOUNICA | 3141177111053 | II / IV | 8.85 |
| B.SUMA | 3151771110009 | I / IV | 8.83 |

GATE RANKS (2015-2016)

| Student Name | GATE SCORE |
|--------------------|------------|
| V.V.LAKSHMI SRUTHI | 28.86 |
| GOPISETTY . AKHILA | 26.19 |



STUDENTS ACHIEVEMENTS



JANAKI RAJESH DUVVURI of IV/IV- IT had Published a Book **"WE ARE IN PROJECT"**



K.SANDEEP of III/IV- IT had awarded 3RD place in **BASKET BALL.**



A.V.PRAVEEN of III/IV-IT had awarded 3RD PRIZE IN **CODE-CHEF** And Consolation prize for **PPT.**



CH.TEJA of II/IV- IT had awarded 3RD place in **VOLLEY BALL**



4 Technologies That Could Pave the Future of Cybersecurity

Cybersecurity has come a long way over the decades, but hackers and cybersecurity experts are continuing to one-up each other in terms of technological sophistication and preparedness. Every time we take a major step forward in terms of reliable security, cybercriminals are there to match us. Accordingly, there will never be an “unhackable” device or piece of software; according to Security Baron, there will always be vulnerabilities in any system you have in place.

Even so, we can always make forward progress toward building something more reliable—there's always room for improvement in our existing systems, and new technologies on the horizon.

How might these technologies change the future of cyber security?

New Technologies on the Horizon

These are some of the most promising technologies coming to keep our digital information and communications safer:

1. Quantum key distribution: It sounds like some kind of superpower, but as WIRED writes, quantum key distribution could be the future of encryption technology. Quantum physics involves the study of subatomic particles, which behave strangely, against our intuitions on small scales. We're already using quantum computers, which take advantage of particles that can exist in two states at the same time (as a particle and a wave). Quantum entanglement involves two particles that affect each other's position, even at a distance. Conventional encryption involves a lock-and-key method of creating and then cracking a code—but that can be easily copied and cracked. Quantum key distribution relies on quantum entangled particles that are virtually uncopiable—and tremendously hard to crack—but it's still a new technology that demands more research.

2. Blockchain tech: Blockchain isn't a term familiar to many, but it's associated with a technology that most of us have heard of—Bitcoin. Blockchain is a system of collaborative information storage, exchange, and retrieval that maintains a public record of ownership. It's how Bitcoin transactions are able to take place, and remain consistent, without any single institution defining or monitoring those transactions, and without any outside interference to commit digital theft. Shaping Tomorrow predicts that within a few years, most major banks (as well as other financial-related companies like insurance institutions) will be using blockchain to more greatly secure their financial transactions.

3. DUST: One reason Snapchat became so popular is its ability to have messages self-destruct; this guarantees, to some degree, that your message won't spread or be committed to public memory, therefore enhancing both privacy and security. Security organization PARC is now working on Disintegration Under Stress-release Trigger, or DUST technology, that mirrors this effect. Instead of photos and videos no longer being viewable, computer chips will self-destruct after conveying their requisite information.

4. Biometrics. In the public eye for decades, biometric technology uses unique personal identifiers to ensure proper identification. For example, your phone may take a thumbprint scan before allowing you to access the data inside, or a device may scan your retina before permitting you access to a building. Since these personal identifiers are incredibly hard to mimic, especially remotely, they could greatly enhance security in a number of different areas. However, there are still a number of important hurdles to overcome before this technology can be adopted on any wide scale.

Projecting a Timeline

It's hard to say when these developments might actually become main stream. Some of them sound like technology straight out of science fiction, but the reality is that scientists and engineers are already working on these futuristic solutions—and probably some even more advanced technologies that's being kept off the headlines.

Some of the biggest challenges include the cost of developing these technologies, which should improve over time, and convincingly demonstrating the reliability of these protocols.

by
Dr.S.Krishna Rao
HOD,dept of it.

A HEALTHY ADVICE

Swachh Bharath is not only for a month or for a year or not like a news item, but it should be for every minute. Where ever we create waste, we should not drop that waste here or there. We have to drop it in dustbins. If there are not available, put a cover in your bag and drop the waste in that cover.

It looks like a tiny problem, but it is actually a very big issue. To clean the great "GANGA" river the government of India created a new ministry for this problem only. We will never think about the necessity of keeping the surroundings clean, we just throw the waste out.

Many educated people are also drop the wastage in to drainages out of ignorance, even though they know it will create so many diseases. We will also get a bad impression among the countries there by it will affect the name and fame of India and Indians all over the World. By keeping our surroundings clean we can experience a healthy environment.

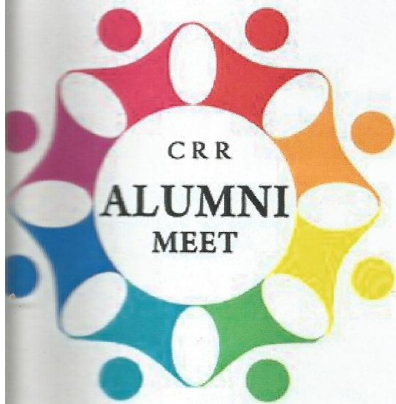
SO, PLEASE KEEP OUR SURROUNDINGS AS CLEAN AS POSSIBLE.

N.SAMEERA
ASST PROF,IT

- Nothing is beautiful to meuntil i see you.
Nothing is romantic to me.....until i touch you.
Nothing is harder to me.....until i leave you.
- She doesn't know, how much i miss her when she is away from me,let me explain it to you
my girl..... The distance between us was like the distance between land and the sky.
- I like the way you look at me.
I like the way you talk to me.
I like the way you take care for me.
I like the way you treat me.
I like the way you had mingled with me
And finally, I LOVE the way you love me.
- I like your eyes,but i don't have guts to see.
I like your smile,but i don't have guts to feel.
I LOVE YOU,but i don't have guts to leave you.

S.POORN DWIVED
II/IV I.T

ALUMNI MEET-2016



“One should never forget his roots from where his origin took place”.

Sir C.R.R.C.O.E Proudly celebrated the ALUMNI MEET 2016 headed by Dr. A. Aruna bharathi alumni of our college. Many alumni who are expert in their respective domains helped our students with their goals and shared their valuable experiences in the event.



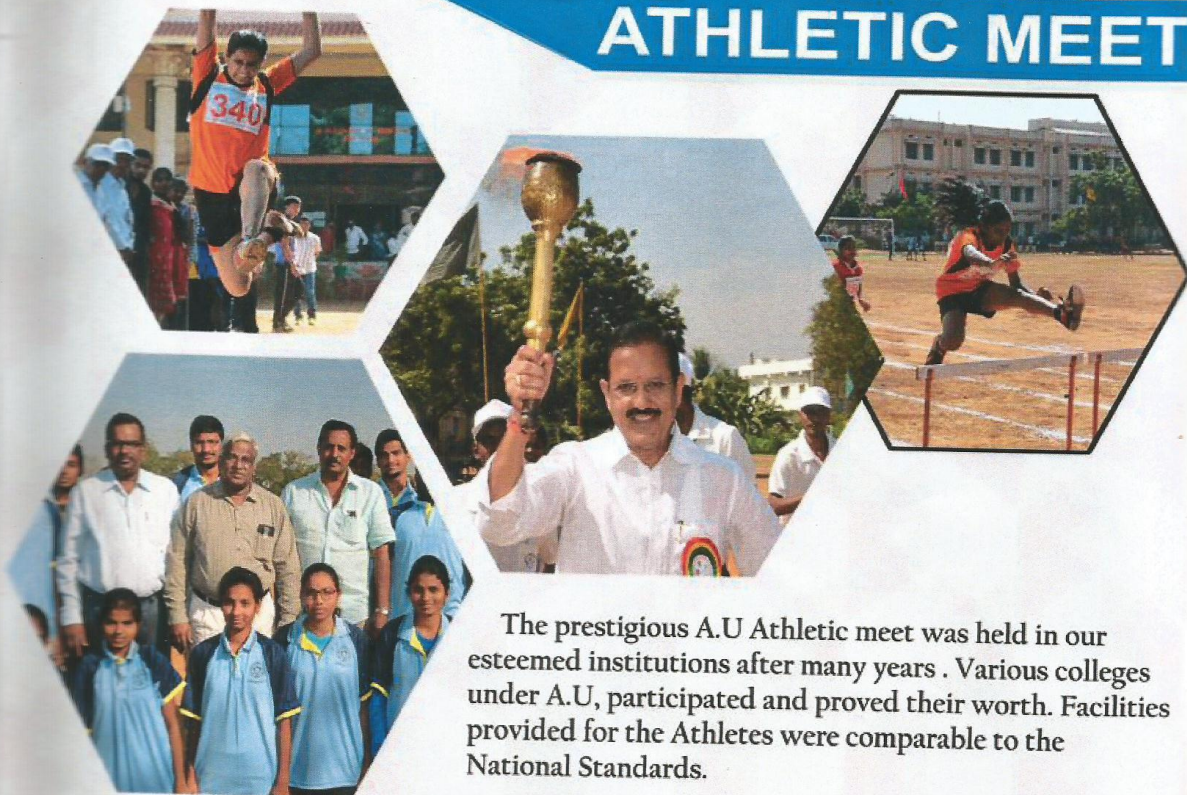
SIEMENS

APSSDC is a unique organization formed as a public private partnership (PPP) corporation to promote skill-development and entrepreneurship in the state of Andhra Pradesh.

APSSDC connected to few colleges, we are very proud to say that we are one among them. This would be a great opportunity for our students to enhance their knowledge.



ATHLETIC MEET



The prestigious A.U Athletic meet was held in our esteemed institutions after many years . Various colleges under A.U, participated and proved their worth. Facilities provided for the Athletes were comparable to the National Standards.

EVENTS



OUR DEPARTMENT CONDUCTED VARIOUS TECHNICAL AND NON TECHNICAL EVENTS ON BEHALF OF 12th ELITE ANNUAL DAY CELEBRATIONS-2017

President

Ch.Raja Mohan Reddy(4/4)

Vice President

k.kalyani(4/4)

L.venkatesh(4/4)

A.Venkata Praveen(3/4-A)

M.Naga sasanka(3/4-B)

Secretary

G.Nitish(4/4)

Joint Secretary

K.Sai Tejaswi(4/4)

Bharath(4/4)

S.Pavan Mahaveer(3/4-B)

S.Diwed (2/4-B)

Treasurer

P.Bhargavi(3/4-B)

Editorial Board

D.Rajesh(4/4)

P.Prasanthi(4/4)

A.Jagadeesh(3/4-A)

P.Rahul Sai(3/4-B)

G.Sri Rama Phani Kumar(3/4-A)

A.Nagendra Krishna(2/4-A)

P.Preetham Babu(2/4-B)

M.Pavan sai(2/4-B)

Student Body

G.Raga Ranjitha(4/4)

P.Prudhvi(4/4)

A.Divya Sai(3/4-A)

M.Naga Phanindra(3/4-A)

S.Venkata Maheswari(3/4-B)

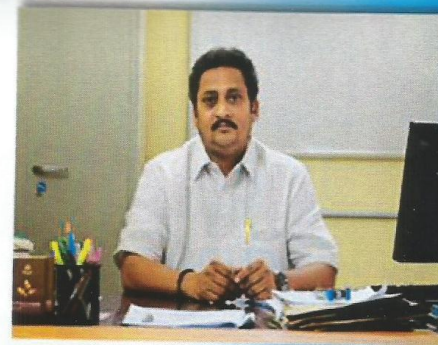
P.Vamsi Bharath(3/4-)

E.Prudhvi(2/4-A)

A.Sai Sindhu(2/4-A)

M.Manohar(2/4-B)

M.Yamini (2/4-B)



**DR.S.KRISHNA RAO
CHAIRMAN**



**Mrs.J.MALATHI
STAFF CO-ORDINATE**



**Mrs.N.SAMEERA
STAFF CO-ORDINATE**

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