

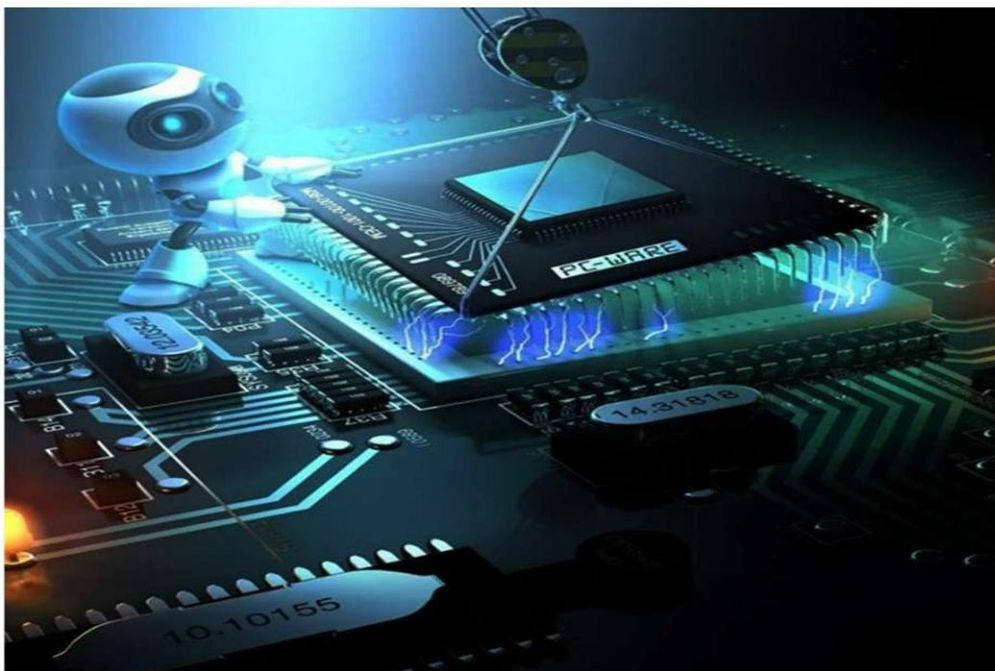


**RISE KRISHNA SAI PRAKASAM  
GROUP OF INSTITUTIONS :: ONGOLE**

(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)

# ELECOMM 2K19

**DEPARTMENT OF  
ELECTRONICS AND  
COMMUNICATION ENGINEERING  
AY: 2019-20**



## **Elecomm Magazine Editorial Members**

### **CHIEF PATRONS**

Sri.Sidda Venkateswara Rao  
Chairman, RISE Krishna Sai Group of Institutions



Sri.I.C. Rangamannar  
Hon'ble Chairman, RISE Krishna Sai Group of Institutions



### **PATRONS**

Sri.Sidda Hanumantha Rao  
Hon'ble Secretary & Correspondent



Sri. Sidda Bharath  
Hon'ble Treasurer



### **PRINCIPAL**

Dr. A.V. Bhaskara Rao  
Principal



### **HOD-ECE**

Dr. Ch. Venugopal Reddy  
Prof. & HOD-ECE



### **Staff Coordinators**

Mr. K. Suresh Babu  
Associate Professor, ECE  
Mr. N. Thirumalesh  
Associate Professor, ECE

### **Student Members**

Mr. M. Harish, IV ECE  
Mr. B. Saran Deepak, III ECE  
Mr.Ch.Sai Krishna, II ECE

Mr. B. Ravi Chandra, IV ECE  
Ms. P. Supriya, III ECE  
Ms.V.Tejaswini, II ECE

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## **ABOUT THE DEPARTMENT:**

The department of Electronics & Communication Engineering came into existence since the inception of the college. We proceed with an aim to produce highly qualified and qualitative individuals in the society with both theoretical and practical knowledge. We impart the needed technical knowledge in students and they are encouraged to get hands-on experience by organizing seminars, workshops and symposiums on the campus to enhance their skills and make them industry -worthy

## **VISION:**

To become a center of excellence in Electronics and Communication Engineering to meet the global technological and industrial requirements.

## **MISSION:**

- Provide modern technical knowledge, professional skills and attitude to meet industry and society needs
- Promote innovations through professional training and development
- Develop a team with professional ethics and social responsibility

## **PROGRAM EDUCATIONAL OBJECTIVES (PEOs)**

### **PEO1: Core Skills**

Intensive and extensive engineering knowledge and skill to understand, analyze, design and create novel products and solutions in the field of Electronics and Communication Engineering

### **PEO2: Problem solving & lifelong learning**

Capability to pursue career in industry or higher studies with continuous learning

### **PEO3: Entrepreneurship Skills**

Leadership qualities, team spirit, multi-disciplinary approach, character molding and lifelong learning for a successful professional career

### **PEO4: Professionalism**

Professional and ethical attitude, effective communication skills, and sense of responsibility towards society

## **PROGRAM SPECIFIC OBJECTIVES (PSOs)**

**PSO1:** Design and implementation of complex systems by applying basic concepts in Electronics & Communication Engineering to Electronics, Communications, Signal processing, VLSI, Embedded Systems (Core Skills)

**PSO2:** Solve complex Electronics and Communication Engineering problems, using hardware and software tools, along with analytical skills to arrive cost effective and appropriate solutions relevant to the society. (Problem-Solving Skills)

**PSO3:** Quality in technical subjects for successful higher studies and employment (Professional Career).

## **PROGRAM OUTCOMES (POs)**

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural science and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal and environmental considerations.
4. **Conduct investigations of complex problems:** Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment sustainability:** Understand the impact of the professional engineering solutions in the societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities, and norms of the engineering practice.
9. **Individual and teamwork:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Lifelong learning:** recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broader context of technological change.



“India needs disciplined youths. Today’s students cultivate youthful idealism in them to discharge their tomorrow’s responsibilities. Art and science should be synchronized in their performance”

**- Sri. Sidda Venkateswara Rao, Chairman**

Indian Professionals have to demonstrate their scholarship to prove their unique talents. They have to represent our nation’s worth too. Sharpening their academic, personal, career and leadership skills must be their first task in the process of their career journey. I, as the Hon’ble Chairman of the RISE Krishna Sai Prakasam Group of Institutions, am committed to provide our students with the best possible facilities.



**- Sri. I.C. Ranganannar, Hon’ble Chairman**



Organization can stand in the forefront of success only when the invite employees possessing impressive human values. Success on the part of an individual employee does not simply mean the currency one receives. It also means the employees determined dedication to stand by the vision of the organization. Value-based career life is the ultimate achievement one ought to aspire for. I put all my efforts to prove that the RISE students do inculcate among themselves the right human values besides professional talents.

**- Sri. Sidda Hanumantha Rao, Hon’ble Secretary & Correspondent**

“We are nurturing the best possible qualities among our students right from the first day of their entry into our campus. We are striving to become a solution spot for all parents and students to see their success in reality. We want to be in happy association with our students and their parents since one of our cardinal aims is to be a part of their excellence.”



**- Sri. Sidda Bharath, Hon’ble Treasurer**



“Successful professional education should pave the way for successful career. We, therefore, focus more on sharpening our student’s wholesome progress in our campus. We train our students to be self-reliant with respect to enrichment of their profile. We are confident that our students are sure to prove their skills and adopt themselves to all global standards and expectations. We are committed to facilitate ultimate satisfaction to our students, parents and professionals.”

**- Prof. Dr. A.V. Bhaskara Rao, Principal**

THE DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING (ECE) has consistently maintained an exemplary academic record. The greatest asset of the department is its highly motivated and learned faculty. The available diversity of expertise of the faculty with the support of the other staff prepares the students to work in global multicultural environment. The graduates of the Electronics & Communication Stream have been selected by some of the world's leading corporations & as well as by most of the leading Indian counter parts.



We hope that we will continue to deliver our best to serve the society and mankind. It is also expected and that our students will continue to pass-on the skills, which they have developed during their stay at this department to whole of the world for a better society. We will be happy to receive your suggestions for further improvement and development of our department.

**- Dr. Ch. Venu Gopal Reddy, HOD-ECE**

## **FROM THE EDITOR'S DESK**

Dear Students,

We hearty welcome you to the newly launched ECE Department's Magazine for the academic year 2019-2020.

The objective of the magazine is to mainly focus on Achievement of the students from the ECE department in the Co-curricular and Extra-Curricular Activities.

I congratulate all my team members for their constant effort in launching this Magazine. We are also thankful to our Management and Principal for their support and encouragement. Finally, we are gratified to our reviewers for their frank opinions and constructive suggestions, namely our colleagues and students.

## **FACILITIES & INFRASTRUCTURE:**

### **1. LABORATORIES**

*The department of ECE has well equipped and high quality laboratories listed below.*

- *Electronic Devices and Circuits Lab*
- *Electronic Circuit Analysis Lab*



**Electronic Devices and Circuits Lab**



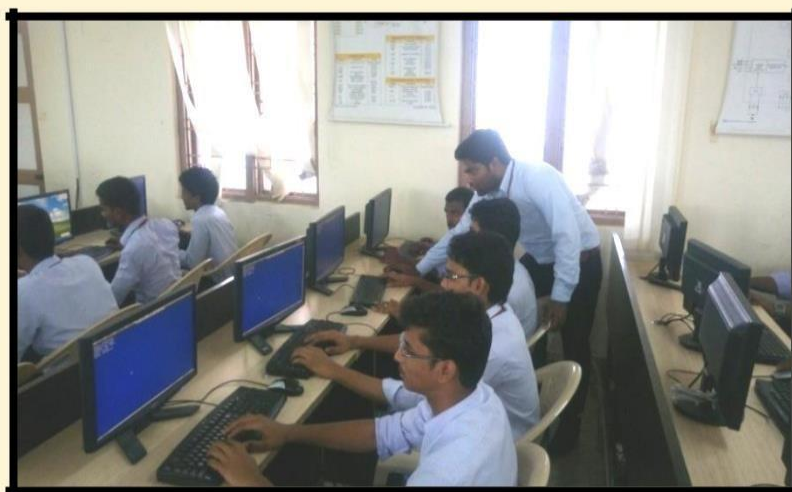
- *Pulse & Digital Circuits Lab*
- *Analog communications Lab*
- *Linear Integrated Circuit Analysis Lab*
- *Digital Communications Lab*
- *MW&OC Lab*
- *VLSI Lab*
- *DSP Lab*
- *Microprocessor & Microcontrollers Lab*
- *DSD & DICA Lab*
- *Projects Lab*
- *Research Lab*



**Electronic Circuit Analysis Lab**



**Pulse and Digital Circuits Lab**



**MP&MC Lab**

## **2. DEPARTMENT LIBRARY**

*The Department Library occupies a unique place in academic and research activities of the Department. The Library maintains an excellent collection of data books, occasional papers and other documents/materials. The Library has a well-equipped facility for reading. The students and staff can access the library during the college hours.*



**“Libraries are reservoirs of strength,  
Grace and wit, reminders of order,  
Calm and continuity,  
Lakes of mental energy,  
Neither warm nor cold,  
Light nor dark.  
The pleasure they give is steady,  
Unorgiastic, reliable,  
Deep and longlasting.  
Germaine Greer”**

### 3. COMPUTING & INTERNET FACILITY

The RISE campuses are connected with Intranet facility with which students make use of all the books and materials and other references through Computer Assisted learning around the clock. Intranet facility can be put to constructive purposes by allowing all the students and faculty to share information with one another and exchange new ideas to improve teaching and learning methods, increase productivity, and promote greater friendliness and better coordination.



Internet Lab

### 4. STUDENT ACTIVITIES

#### 4.1 ARTICLES

Industrial parameter monitoring and controlling:



Final Year Students Implemented Project to determine the variations of parameters in Industry

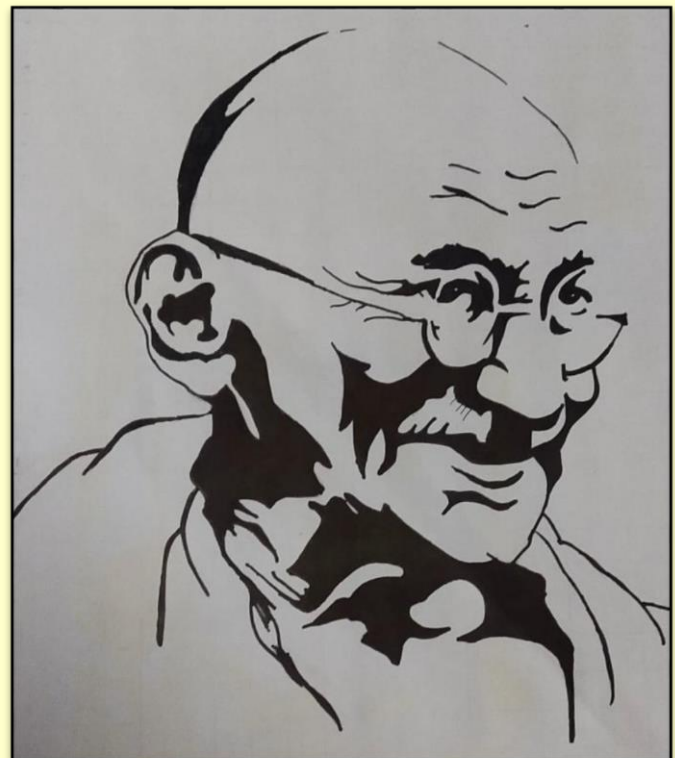
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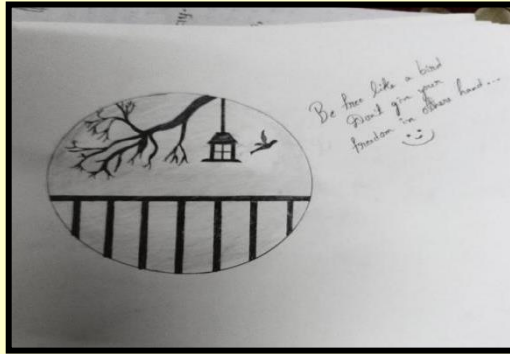


Name: G.Rajapradha  
Roll No: 188A1A0409  
Class: II ECE I



Name: V.Kundana  
Roll No: 188A1A0495  
Class: II ECE II





Name: R.Devayani  
Roll No: 188A1A0425  
Class: II ECE I



Name: M.SUDARSAN  
Roll No: 198A5A0410  
Class: II ECE II





Name: Sk.Momena  
Roll No: 188A1A0428  
Class: II ECE I

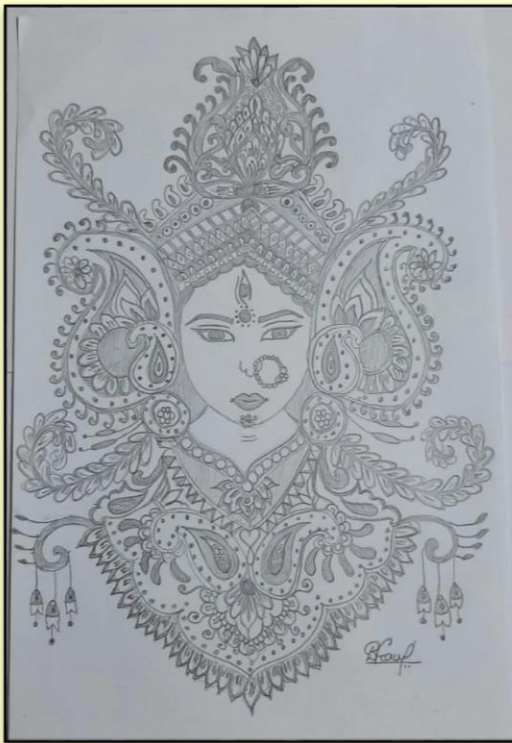


Name: A.UMA MAHESH  
Roll No: 198A5A0406  
Class: II ECE II

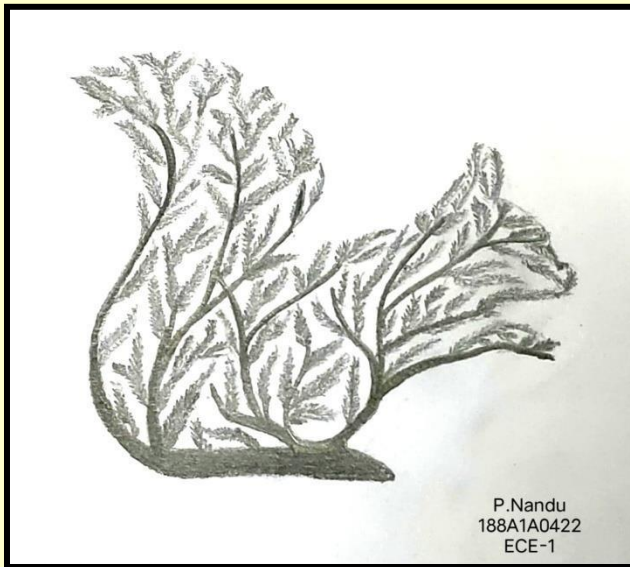




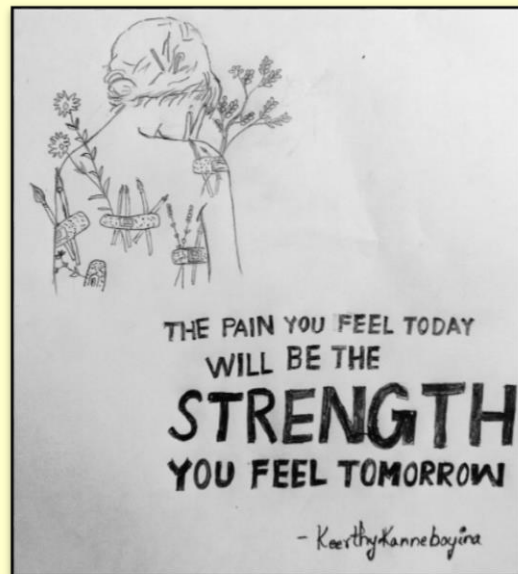
Name: Ch.Sneha  
Roll No: 188A1A0406  
Class: II ECE I



Name: Gorrepati Bhavani  
Roll No: 188A1A0472  
Class: II ECE II



Name: P.Nandu  
Roll No: 188A1A0422  
Class: II ECE I



Name: K.Keerthy  
Roll No: 188A1A0475  
Class: II ECE II

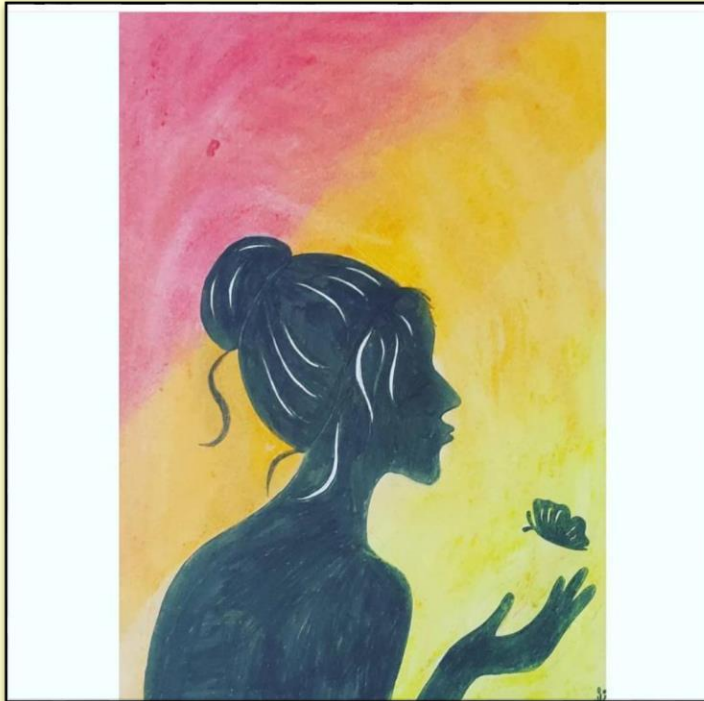




Name: A.Sravya  
Roll No: 188A1A0402  
Class: II ECE I



Name: Ch.Sai Krishna  
Roll No: 188A1A0436  
Class: II ECE I



Name: B.Sai Supriya  
Roll No: 188A1A0465  
Class: II ECE II



Name: M.V.Susmitha  
Roll No: 188A1A0496  
Class: II ECE II



Name: Ch. Rekha Ramani  
Roll No: 188A1A0469  
Class: II ECE II



Name: G. Gowtham  
Roll No: 188A1A0439  
Class: II ECE I



Name: R.Thanusha  
Roll No: 188A1A0488  
Class: II ECE II



Name: Ch.Bhuvana Chandra  
Roll No: 188A1A0437  
Class: II ECE I

## STUDENT ACHIEVEMENT:

Y.Syamala, student of II ECE has represented the JNTU Kakinada ATHLETICS team in All India Inter University Athletics(Men & Women) Tournament held at Rajiv Gandhi University of Health Sciences, Karnataka.

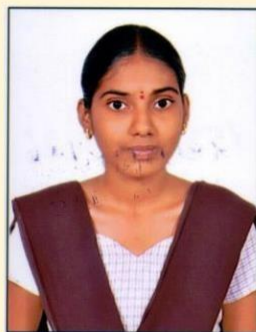


Name: Y.Syamala  
Roll No: 188A1A0433  
Class: II ECE I

ACADEMIC TOPPERS

ELECTRONICS & COMMUNICATION ENGINEERING

2016-2020 BATCH



KONIJETI SUPRIYA PACCHIPULUSU VENGA VYSHNAVI  
168A1A0478 168A1A0489  
84.14% 81.65%

RAVVA TEJASWINI  
168A1A0493  
81.19%

S.NO	ROLL NUMBER	NAME OF THE STUDENT	% OF THE MARKS
1	168A1A0478	KONIJETI SUPRIYA	84.14
2	168A1A0489	PACCHIPULUSU VENGA VYSHNAVI	81.65
3	168A1A0493	RAVVA TEJASWINI	81.19

5. DEPARTMENT ACTIVITIES

❖ A National Level Technical Symposium RISE Fusion- 2K20 had held on 16<sup>th</sup> Feb 2020, Organized by Department of ECE



Inauguration of Technical symposium



Fusion-2K20 held on 16<sup>th</sup> Feb 2020

## **ARTICLES**

### **"Mobile the Necessary Evil"**

Mobile phones have become necessity of life nowadays, but somewhere we are not using it correctly. Mobiles are technically advanced & have too many options like Hi-tech games, radio, and internet, downloading, etc. Everyone from youngsters to old aged uses mobile phones for different purposes. But teenagers use it for texting, music, games & net surfing.

We have started to rely upon the cell phones now. With a touch alarm blows & we wake up, easy conversation is possible, reminders & notes to make you alert, social chats to remove the distance, in fact GPS for navigation. But it's a distraction which can bring harm to us, life & property. Mobiles can damage the brain as well.

You are no more secure, as your social life will be completely destroyed. No personal distances, no privacy at all, as anyone can dig into your life through social sites. It can also leads to wrong practices also like hacking the data, damage, unwanted blank/fake calls etc.

Parents are really annoyed because of the cell phones addiction of the teen agers as they keep their phones with them everywhere like using it while dinning, studying, shopping, at schools/colleges. It has supported the wrong habits in them. Sometimes students tend to cheat in examination by taking their cell phones with them in examination centre.

The major issue attached with the cell phones is health problems. Excessive use of mobiles leads to problems like Migraines, weak eyesight, can bring damage to your brain as well. On petrol pumps mobiles are asked to be turned off, but these teen agers generally ignore it, which leads to big explosion also. Isn't this a risk to life & property?

Look at the major negatives attached to the mobile phones.

- ✓ No privacy
- ✓ Threat to life & property
- ✓ Health hazardous
- ✓ Disturbance to life
- ✓ Invitation to bad practices, etc

Still it's a great invention which needs to be used in right ways. Mobile phones are useful in a lot of situations but make sure it should not become the controller of your life.

## **Status of Women in Indian Society**

This is a famous quote by Jawaharlal Nehru on women. The status of women depicts the social, economic and mental condition in a nation. Women have been regarded as a symbol of spirituality in our scriptures. Yet, they have been treated badly and unequally to men. Social evils such as dowry, sati-system, child marriage, and female infanticide were widely prevalent in the early ages. The spread of education and self-consciousness among women has led to their progress over the period. Women of today are empowered. Also, women are gaining advancements and success in each and every field.

Women today are eager to take up professions and work. Thus, they enjoy equal respect and dignity in the family. Women in free India also enjoy equal pay for equal work in comparison to men. Also, there are provisions of maternity leave for them. Furthermore, females are provided equality of opportunity under Article 16 of the Constitution of India.

The girls in urban areas are almost at par in education with the boys. But there is a less educated female population in rural areas. This has also affected the social and economic development of rural India. The poor (hygienic facilities) facilities at school and lack of female staff have affected education. Kerala and Mizoram have a universal literacy rate.

The maximum figure of female politicians in the world is from India. Women have occupied significant positions i.e. of President, Prime Minister, Speaker of the Lok Sabha and other high offices. “Indira Gandhi”, is the first female who held the office of the Prime Minister for 15 years.

The violence against women in India includes kitchen fires for want of dowry, sexual assaults, cases of rape, prostitution, throwing of acid. Also, evils of child marriages are also widespread even today. Female infanticide, indecent behavior, and honor killings add to the misery of the women. Also, sex-selective abortion is a deep-rooted evil leading to inequality in sex ratio.

There has been a steady transformation in the status of the women in comparison to earlier periods. Women of today take part completely in areas such as politics, status, military sectors, economic, service, and technology sectors. Moreover, they have contributed wholly in sports too. Thus, they have occupied a dignified position in family and society.



Name: P.V.Ramya Kumari  
Roll No: 188A1A0420  
Class: II ECE I



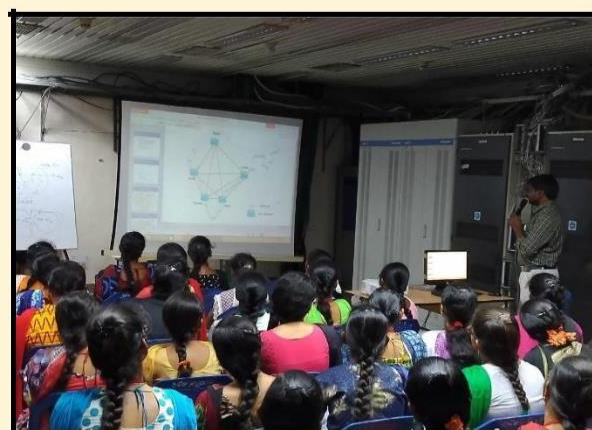
Name: Sk.Karishma  
Roll No: 188A1A0427  
Class: II ECE I



- ❖ *An Industrial Visit for (III B.Tech II Sem) Students on 8<sup>th</sup> Feb 2020 at National Atmospheric Research Laboratory (NARL) Department of Space, Govt. of India, Gadanki Village located at Chittoor District, A.P., India.*



- ❖ *An Industrial Visit for (II B.Tech II Sem) Students on 28<sup>th</sup> Jan 2020 at BSNL Telecom Services located at Ongole, Prakasam District, A.P., India.*



**Students Inculcating New ideas During Industrial visit**

**Industrial expert explaining communication process in BSNL**

- ❖ *A 3-Day Workshop on “Internet Of Things” from 23<sup>rd</sup> Jan 2020 to 25<sup>th</sup> Jan 2020 by Mr.P.Thirumala Rao IOT & Network Security Analyst, ESF Labs Pvt. Ltd, Vijaywada*

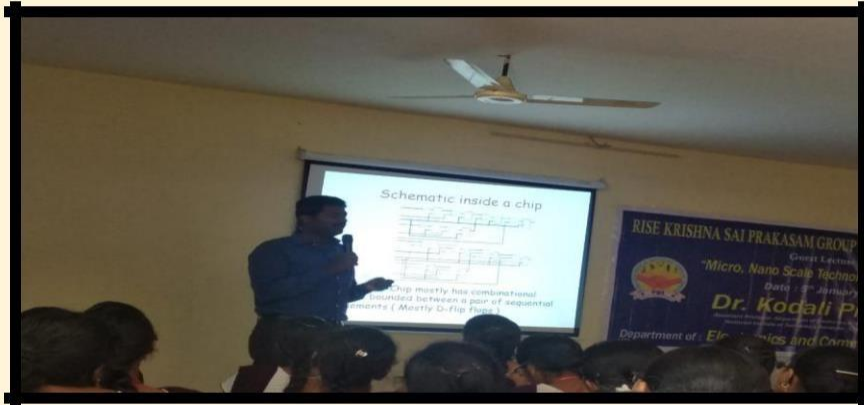


**Resource person interacting with students during workshop**



**Mr. P. Thirumala Rao explaining Hacking attacks in Internet centers**

- ❖ *A Guest Lecture on “Micro, Nano scale Technology and Beyond” for (II, III & IV B.Tech II Sem) Students on 5<sup>th</sup> Feb 2019 by Dr. Kodali Prakash, Assistant Professor, NIIT Warangal*



**Resource person explaining current processing of IC Industries**

- ❖ *An Industrial Visit for (II B.Tech II Sem) Students on 29<sup>th</sup> Dec 2019 at AMARA RAJA Power Systems Limited, Karakambadi located at Tirupathi, A.P., India.*



**An Industrial Visit to Amara Raja Power Systems Limited**



**Industrial Expert explaining the manufacturing process of Batteries**



**Industrial expert explaining Testing process of Batteries**

- ❖ *A Guest Lecture on “Introduction to EDA tools and opportunities in VLSI” for (II, III & IV B.Tech II Sem) Students on 29<sup>th</sup> Dec 2019 by Mr. Rajiv Lakku, Team Manager, Altran Technologies, Bangalore*



**Mr. Rajiv Lakku demonstrating ideas on Introduction to EDA Tools and Opportunities**



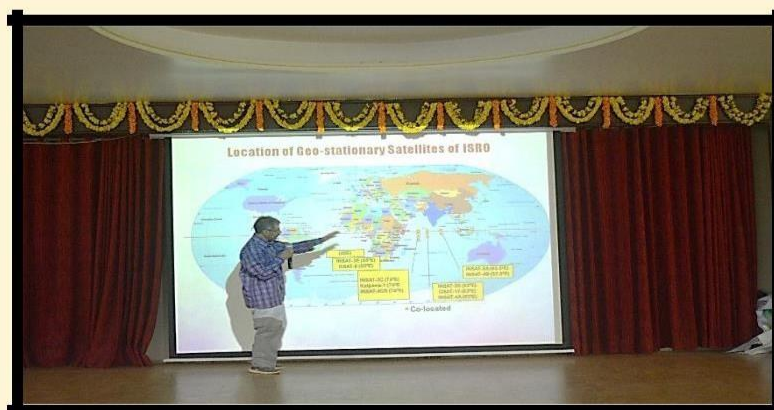
*A Guest Lecture on “IT Trends and Opportunities in various domains of Aerospace, E-commerce and Mobile” for (II, III & IV B.Tech II Sem) Students on 29<sup>th</sup> Dec 2019 by Mr. Ramesh Pyru, Lead Testing Engineer, Boeing International Co-ordination India Pvt Ltd., Bangaluru*



**Mr. Ramesh Pyru explaining about IT Trends and Opportunities in various domains of Aerospace, E-commerce and Mobile**

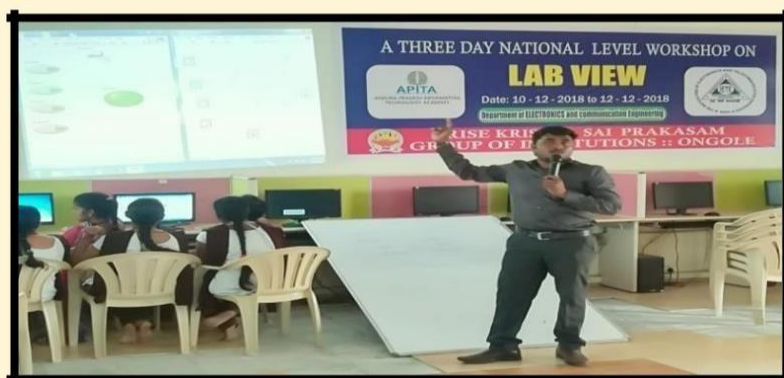


*A Guest Lecture on “Recent trends in Broadcasting” for (I, II, III & IV B.Tech II Sem) Students on 20<sup>th</sup> Dec 2019 by Mr. P. Kalee Prasad, Honorable Secretary of IETE Vijayawada chapter and Senior Engineering Asst., Doordarsan Kendra, Vijayawada*



**A Guest Lecture giving by Mr. Kalee Prasad on Locations of Geo stationary Satellites of ISRO**

- ❖ *A 3-Day National Level Workshop on “LAB View” 10-12 Dec 2019 by Mr. Prakash, Trainer National Instruments, APITA (Andhra Pradesh Information Technology Academy).*



**Mr. Prakash conferencing his skills to students on LAB View**

- ❖ *A 3-Day National Level Workshop on “Hands on SciLab and Its Applications” from 29<sup>th</sup> Nov 2019 to 1<sup>st</sup> Dec 2019 by Dr. Lakshmi Narayana, Dept of ECE, Potti Sri Ramulu Chaluva Mallikarjuna Rao College of Engineering Vijayawada.*



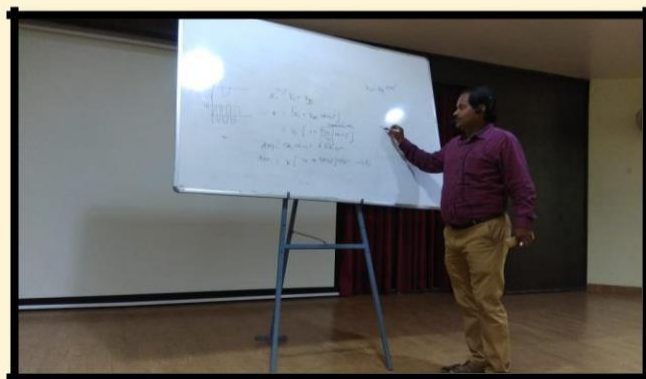
**Students inculcating their Knowledge in workshop about Hands on Sci-Lab**

- ❖ *An Industrial Visit for (IVB.Tech I Sem) Students on 27<sup>th</sup> Sep 2019 at SDSC SHAR (ISRO), Sriharikota Range located at Nellore (Dt.), A.P., India.*



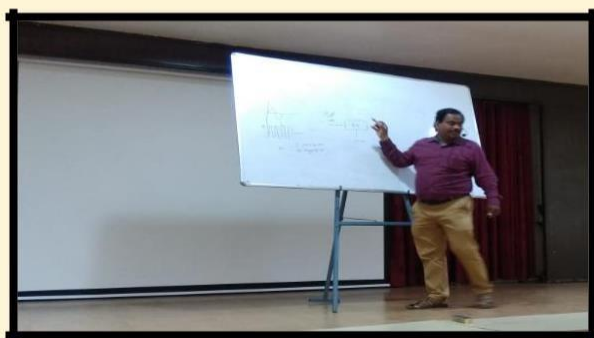
**An Industrial Visit to SDSC SHAR (ISRO)**

- ❖ A Guest lecture on **Communication Systems** which was held on 20<sup>th</sup> Sep 2019 by Mr. G.V. Chalapathi Rao, Assoc. Professor, MVSR Engineering College, Hyderabad



Mr. G.V.Chalapathi Rao delivering lecture to III year ECE

- ❖ A Guest lecture on **Network Analysis** which was held on 20<sup>th</sup> Sep 2019 by Mr. G.V. Chalapathi Rao, Assoc. Professor, MVSR Engineering College, Hyderabad



Mr. G.V.Chalapathi Rao delivering lecture to II year ECE

- ❖ A Three Day National Level Workshop on PCB Design which was conducted from 17<sup>th</sup> Sep 2019 to 20<sup>th</sup> Sep 2019 and it was Guided by Mr Finney Daniel, Director, Center for Electronic System Design (CESD)



Resource Person explaining about PCB Design



Student's active participation in PCB Design



*A 3-Day National Level Workshop on “Computer Vision with Matlab” on 26<sup>th</sup> July-28<sup>th</sup> July 2019 by Synxa IT (P) Ltd.*



**P.Satya Kumar explaining the Computer Vision with Matlab**



**Certification of Computer Vision with Matlab**

**FACULTY ACHIEVEMENTS:**

**NPTEL Certified Course (Embedded System Design with ARM)**

**Elite Holder**

***Mr. N. THIRUMALESH***

***HEARTY CONGRATULATIONS!!!***



**WORKSHOPS/SEMINARS/ONLINE COURSES/FDPs attended:**

1. *Dr.Ch.VenuGopalReddyattended Faculty Development Programme on “Signal Processing For 5g Wireless Communications” Organized by Institute of Aeronautical Engineering (IARE), Hyderabad, on 12-17<sup>th</sup> November, 2019*
2. *Mr.S.Chandra Sekharattended Faculty Development Programme on“Signal Processing For 5g Wireless Communications”Organized by Institute of Aeronautical Engineering (IARE), Hyderabad, on 12-17<sup>th</sup> November, 2019*
3. *Mr.K.SaimanattendedFaculty Development Programme on“Signal Processing For 5g Wireless Communications”Organized by Institute of Aeronautical Engineering (IARE), Hyderabad, on 12-17<sup>th</sup> November, 2019*
4. *Mr.Sk.Johnattended Faculty Development Programme on “Signal Processing For 5g Wireless Communications” Organized by Institute of Aeronautical Engineering (IARE), Hyderabad, on 12-17<sup>th</sup> November, 2019*
5. *Mr.O.V.Sai Kiranattended Faculty Development Programme on “Signal Processing For 5g Wireless Communications” Organized by Institute of Aeronautical Engineering (IARE), Hyderabad, on 12-17<sup>th</sup> November, 2019*
6. *Dr. S. Satheeshparticipated in MeitY, Govt. of India, Sponsored Faculty Development Programme on “Deep Learning” Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.*
7. *Mr.E.Chiranjeevi participated in MeitY, Govt. of India, Sponsored Faculty Development Programme on “Deep Learning” Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.*
8. *Mr.Sk.Khajavaliparticipated in MeitY, Govt. of India, Sponsored Faculty Development Programme on “Deep Learning” Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.*
9. *Mr.D.Nayab Rasoolparticipated in MeitY, Govt. of India, Sponsored Faculty Development Programme on “Deep Learning” Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.*
10. *Mr.K.V.Hareeshparticipated in MeitY, Govt. of India, Sponsored Faculty Development Programme on “Deep Learning” Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.*

11. Mr. Sd. Abdul Rahim participated in MeitY, Govt. of India, Sponsored Faculty Development Programme on **“Deep Learning”** Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.
12. Mr. B. Ramesh participated in MeitY, Govt. of India, Sponsored Faculty Development Programme on **“Deep Learning”** Organized by E&ICT Academy, National Institute of Technology, Warangal, at the Department of CSE, KALLAM HARANADHAREDDY INSTITUTE OF TECHNOLOGY, Guntur, from 12<sup>th</sup> to 17<sup>th</sup> November 2019.

### ONLINE COURSES:

1. Mr. N. Thirumalesh successfully completed Online Course and got Elite grade in **NPTEL** of 8-Weeks duration for **“Embedded System Design with ARM”** from Jan-March 2020.
2. Mr. D. Arun Kumar successfully completed Online Course in **Coursera** of 9-Weeks duration for **“Introduction to Matlab Programming”** on 9<sup>th</sup> Jan 2020.
3. Mr. N. Thirumalesh successfully completed Online Course in **Coursera** of 4-Weeks duration for **“Introduction to Internet Of Things & Embedded Systems”** on 7<sup>th</sup> Jan 2020
4. Mr. E. Chiranjeevi successfully completed Online Course in **Coursera** of 7-Weeks duration for **“Introduction to Electronics”** on 16<sup>th</sup> Dec 2019
5. Mr. M. Hareesh successfully completed Online Course in **Coursera** of 6-Weeks duration for **“Linear Circuit Analysis-1”** on 16<sup>th</sup> Dec 2019
6. Mr. D. Arun Kumar successfully completed Online Course in **Coursera** of 6-Weeks duration for **“Introduction to Satellite Communications”** on 26<sup>th</sup> Nov 2019
7. Mr. D. Arun Kumar successfully completed Online Course in **NPTEL** of 12-Weeks duration for **“Microwave Theory and Techniques”** on July-October 2019.

### RESEARCH PUBLICATIONS:

1. Mr. Kunchala Durga Prasad, Mr. N. Thirumalesh **“Application Oriented Test Pattern Generation for BIST”**, International Journal of Electrical and Computer Communication Engineering (**IJECEC**) e-ISSN: 2533-8945, Volume 4, Issue 4, (July-2019) PP 78-81
2. Mrs. R. Jaya Lakshmi, **“An Improved Image Denoising Method using Compressive Sensing Based Thresholding Method”**, JARDCS Vol-10, Issue-9 May 2019.
3. Mrs. R. Jaya Lakshmi, **“Multi Resolution Based Enhanced Subsurface Analysis in Thermal Wave Detection and Ranging”**, JRDS Vol-9, Issue-8, Feb 2019.



**IETE ACTIVITIES:**

*IETE Students form (ISF) Inauguration was held in Rise Krishna Sai Prakasam Group of Institutions, Valluru by the Department of Electronics & Communication Engineering on 20.12.2019.*



**IETE Logo**



**Mr.P.Kalee Prasad inaugurated function with Lightening the Lamp**

*Dr. A.V.Bhaskar Rao, Director on the function gave a warm welcome to the Guest Mr. P. Kalee Prasad and expressed his happiness for accepting invitation for addressing the students.*

*The inaugural function started in a traditional way with lamp lighting and Saraswati Pooja. The Chief Guest of the function was Mr. P. Kalee Prasad who is Hon. Secretary of IETE Vijayawada chapter and Senior Engineering Asst., Doordarsahan Kendra, Vijayawada. Guest of Honor was Dr. A. V. Bhaskar Rao who is Director of RISE Krishna Sai Group of Institutions, Valluru, Ongole.*

*Dr. K. V. Subramanyam, who is Principal of RISE Krishna Sai Gandhi Group of Institution. Dr. Ch. Venugopal Reddy HOD, ECE was the Chairman of the Program and Mr.K Suresh Babu was ISF faculty coordinator. Chairman gave an introductory address about professional societies and their importance.*



**HOD of ECE Dr. Ch. Venu Gopal Reddy delivering his lecture at Inauguration**



**Guest Lecture on IETE Forum by Mr. P.Kalee Prasad**

**RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS::ONGOLE**

The Managing Committee IETE Student Forum (ISF) is as follows.

- Chairperson - L. Sumanjali (III B.Tech)
- Honorary Secretary - Ch.Sai Krishna (II B.Tech)
- Member - G.Gowtham (II B.Tech)
- Member - Ch.Bhuvana Chandra (II B.Tech)
- Member - P.V.Sai Santhosh (II B.Tech)
- Member - B.Manoha (II B.Tech)

*Mr. P. Kalee Prasad appreciated the efforts of the Department and RISE Krishna Sai Prakasam Group of Institution in starting this forum and emphasized on benefits of students participation in such events to develop their technical knowledge. He informed the students about the various upcoming events of the IETE Vijayawada Centre like conferences, workshops, seminars and encouraged the students to participate and increase their membership. He elaborated on the awards given by the forum and their significance. He had given certificates for the ISF registered candidates. He also briefed the students on the various financial supports that the forum offers. He also delivered a special talk on the topic “Recent trends in Broadcasting” for the benefit of the students. We honored our chief guest.*



**IETE Group Photo session**



**Felicitations to the foremost guest  
Mr. P.Kalee Prasad**

**IETE Certificate Distribution**



**DEPARTMENT OF ECE**



*On this occasion, Department of ECE conducted various IETE technical events as listed below:*

<b>S.No.</b>	<b>Name of the Event</b>	<b>Faculty Coordinator</b>	<b>Date</b>
1.	Paper Presentation	<i>Mrs.R.JayaLakshmi</i>	20-12-19
2.	Poster Presentation	<i>Mr.K.V.Hareesh Babu</i>	20-12-19
3.	Project Exhibition	<i>Mr.N.Thirumalesh</i>	20-12-19
4.	Technical Quiz	<i>Mr.D.Arun Kumar</i>	21-12-19
5.	JAM (Just A Minute)	<i>Mr.B.Nageswar Rao</i>	21-12-19
6.	Circuit Trix	<i>Mr.M.Hareesh Babu</i>	21-12-19
7.	Color Coding	<i>Mr.SK.John</i>	21-12-19
8.	Rapid fire	<i>Mr.SK.Khajavali</i>	21-12-19
9.	Ideas Room	<i>Mr.Syed Abul Raheem</i>	21-12-19

*The I<sup>st</sup>, II<sup>nd</sup> and III<sup>rd</sup> prizes are awarded with momentous and certificates.*

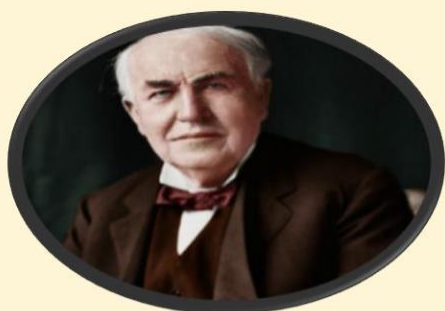


**Group Photo session**

**ECE FACULTY:**



*Inspirational Quotes:*



**“Our greatest weakness lies in giving up. The most certain way to succeed is always to try one more time”.**      **- Thomas A. Edison**



**“All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents.”**

**- Dr. A.P.J. Abdul Kalam**



**DEPARTMENT OF**  
**ELECTRONICS AND**  
**COMMUNICATION ENGINEERING**

**ELECOMM**  
**2K19**

**RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS :: ONGOLE**  
(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)

NH-16, Vallur, ongole - 523272, Prakasam District, Andhra Pradesh

Mail ID : [rise\\_prakasam@yahoo.com](mailto:rise_prakasam@yahoo.com)

Phone : +91 99662 72111