



# S R K R ENGINEERING COLLEGE (AUTONOMOUS)

COMPUTER SCIENCE & ENGINEERING



The Department of Computer Science and Engineering was founded in the year 1991 by people who had a vision. This vision was how Computer Science and Engineering would fit into the unique spirit of S R K R Engineering college, an institution oriented to an unusual degree around under graduate education and close interdepartmental collaboration. One of the strengths of the department is well qualified and well experienced faculty. Presently having 3 Professors and 4 Associate Professors with 8 Ph.D., degrees and the Professors and Associate Professors have an average experience of 20 years, Assistant Professors having M.Tech., degrees with an average experience of 9 years. All the faculty are very much involved in research activity and doing research projects funded by DST, UGC, AICTE etc

## FACULTY DEVELOPMENT PROGRAMS

From the 31st of August to the 4th of September, the Department of CSE hosted a one-week online FDP on INTERNET OF THINGS A HANDS ON APPROACH, with participants from several engineering institutions across India contributing to its success.

**ABOUT SRKR ENGINEERING COLLEGE**  
Sagi Rama Krishnam Raju Engineering College is a forty year old institution established in 1980. S.R.K.R. Engineering College was established with a mission to develop the college into a center of Excellence in the field of Technical Education, capable of training students as sound professionals to cater to the needs of the society.

The college is offering Six B.Tech Programs, Six M.Tech Programs and Seven PhD Programs with a total strength of more than 6500 students. This is an autonomous institution, affiliated to Jawaharlal Nehru Technological University Kakinada(JNTUK), approved by AICTE New Delhi, accredited by National Board of Accreditation (NBA), accredited with 'A' Grade by NAAC with CGPA of 3.60/4.00 scale and NIRF ranked.

The college is recognized as Scientific and Industrial Research Organization (SIROs), recognized as Business Incubation Centre (MSME), secured the status of 2(i) and 12(B) of UGC in 1988, selected for financial support under FIST Programme of DST, New Delhi; selected under Unnat Bharat Abhiyan (UBA) of MHRD, Govt. of India. College has 64 MoUs with National and International Universities/Industries/ Organizations for staff and students mobility and training programs.

**ABOUT THE DEPARTMENT**  
Department of Computer Science and Engineering was established in 1991. CSE department offers B.Tech. (CSE), M.Tech. (CST) and Ph. D. programs. The Department was recognized as a research center by Jawaharlal Nehru Technological University Kakinada (JNTUK) who allocates research scholars to guides recognized by the university. The department has all the necessary infrastructure, highly qualified and experienced faculty for a better teaching learning experience to students. The courses offered in the department meet the requirements of both industry and research. The faculty of the Department are actively engaged in research in the areas of Cryptographic Data Mining, Artificial Intelligence, Bioinformatics and Cloud Computing. The faculty members are collaborating with institutions like Bennett University, Natarach Hyderabad, TCS Ion and Opsramp for research and consultancy. The projects worth Rs. 1.88 crores are either completed or ongoing which are funded by DST, AICTE and UGC, international funding agencies and sponsored by college also. A total of 203 research papers were published in the past 5 years with a citation index of 522 (average citation index of 8.847) witness the focus of the department towards research. The department attracts high quality students. The department has an impressive placement record with 127 placements with the highest package of Rs. 8 lacs per annum. 8th IEEE Advanced Computing Conference was hosted by the department of CSE in 2016 which attracted 1189 papers for review. In 2019 December the department has organized a national conference on "Productivity, Quality, Reliability, Optimization and Computational Modelling" (INCFOROCM) which is sponsored by AICTE. The department celebrated its Silver Jubilee in the year 2016. Stepping into its 30th year of its existence, the department takes pride in its graduating students and many of whom are leaders in academia, industry, government, and a few are highly successful entrepreneurs.

**ORGANIZES**  
ONE WEEK NATIONAL LEVEL ONLINE FACULTY DEVELOPMENT PROGRAM  
ON  
**INTERNET OF THINGS**  
(A HANDS ON APPROACH)

**DATES**  
31<sup>st</sup> AUGUST, 2020  
to  
4<sup>th</sup> SEPTEMBER, 2020

**SRKR ENGINEERING COLLEGE**

*One week FDP on Design Thinking*

ORGANIZED BY DEPARTMENT OF CSE

**DATES: AUGUST 24-28, 2020, 02:00PM-05:00PM**

**COURSE CONTENTS**

- ✓ Design Overview, Good Design vs. Bad Design with Examples
- ✓ Empathy and Tools for Empathisation
- ✓ Group Formation and Discovering the Problems
- ✓ Customer Need Analysis, User Identification, Problem Validation
- ✓ Ideation and Generating the Concept
- ✓ Final Presentations

REGISTRATION DEADLINE: 20-08-2020

CONTACT DETAILS: [srkrcestdfp@gmail.com](mailto:srkrcestdfp@gmail.com)

REGISTRATION LINK: <https://forms.gle/zQEILSxiwLVxfr8>

**CONVENER**  
Dr. M. S. V. S. Bhadri Raju  
Professor & HOD of CSE

**COORDINATOR**  
Dr. K. V. Krishnam Raju  
Associate Professor, Dept of CSE

**CO-COORDINATORS**  
Dr. Ch. Someswararao, Asst. Prof. CSE  
Sri V. V. Sivaramaraju, Asst. Prof. CSE

From the 3rd until the 7th of August The Department of CSE has held a one-week FDP on "An Academic Perspective on Research" (Best research practices, Project proposal writing, Funding schemes and IPR). It was attended by 400+ people from all across India and was a huge success.

August 24th to August 28th, The Department of Computer Science and Engineering has planned a one-week FDP on "Design Thinking." With 400 participants, it was a massive success.

**Sagi Rama Krishnam Raju Engineering College(A)**  
Bhimavaram, W.G. Dist., Andhra Pradesh-534204  
NBA, NAAC ACCREDITED, NIRF RANKED

**Department of Computer Science and Engineering**  
organizes  
**ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAM**  
on  
**AN ACADEMIC PERSPECTIVE ON RESEARCH**  
(BEST RESEARCH PRACTICES, PROJECT PROPOSAL WRITING, FUNDING SCHEMES & IPR)  
03 AUGUST 2020 to 07 AUGUST 2020

**CONVENER**  
Dr. M. S. V. S. Bhadri Raju  
Professor and HOD, CSE

**CO-coordinator**  
Dr. D. N. V. Girish  
Asst. Professor, CSE

**Co-coordinators**  
Mrs. K. Aruna Kumar  
Mrs. D. S. S. Aruna  
Asst. Professors, CSE

**"Inauguration"**  
Date: 03-08-2020 Time: 09:45AM

**RESOURCE PERSONS**

- 03 AUG 2020**  
Dr. Ramesh C. Sharma  
Senior Regional Director of India Gandhi National Open University Professor at D. R. Ambedkar University, Delhi  
Topic: Foundation of Research, Problem identification and formulation, Research Design and methods  
Time: 10:00AM to 12:00PM
- 04 AUG 2020**  
Dr. B. T. P. Machav  
Professor, Associate Dean(Academic Research), ALR, R&D, ECE Department, K. J. Somaiya Institute of Engineering and Information Technology, Vashi, Mumbai  
Topic: Direction towards quality research paper writing and publication measures  
Time: 10:00AM to 12:00PM
- 05 AUG 2020**  
Dr. M. S. V. Sivarama Bhadri Raju  
Professor and HOD, CSE, SRKR, AP  
Topic: Research metrics, Journal selection and Citation management tools  
Time: 10:00AM to 12:00PM
- 06 AUG 2020**  
Sri. Vijay Kumar Shivpuje  
Honorary Advisor, ASSOCHAM, New Delhi  
Topic: Research metrics, Journal selection and Citation management tools  
Time: 10:00AM to 11:15AM
- 06 AUG 2020**  
Sri. A. Raja  
Assistant Controller, Indian Patent Office, Chennai  
Topic: Patent filing procedures in India  
Time: 11:15AM to 12:30PM
- 07 AUG 2020**  
Dr. Liji Santhosh  
Vice Principal at S. M. Shetty College, Mumbai, Maharashtra  
Topic: Project Proposal Writing, Funding Agencies and Schemes  
Time: 10:30AM to 12:30PM

**Objectives**

- To enable participants to have good foundation in research.
- To train researchers about different tools and techniques that help in writing research papers, thesis and project proposals.
- To familiarize the researchers and inventors about the guidelines for designing and patenting inventions.

**Outcomes**

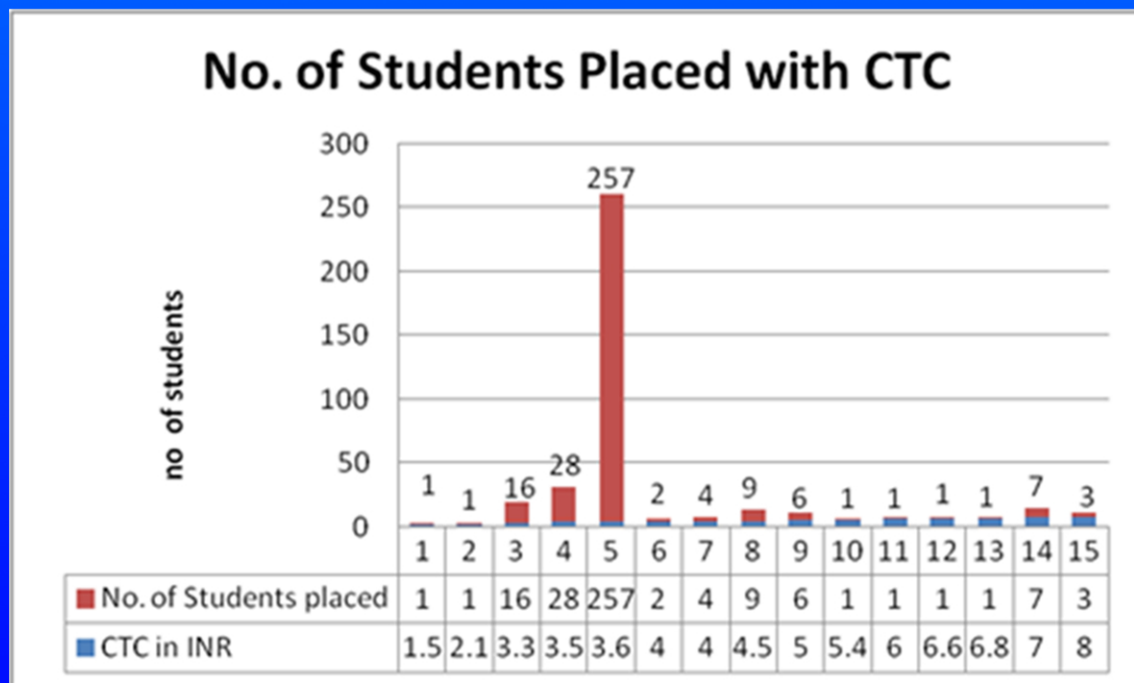
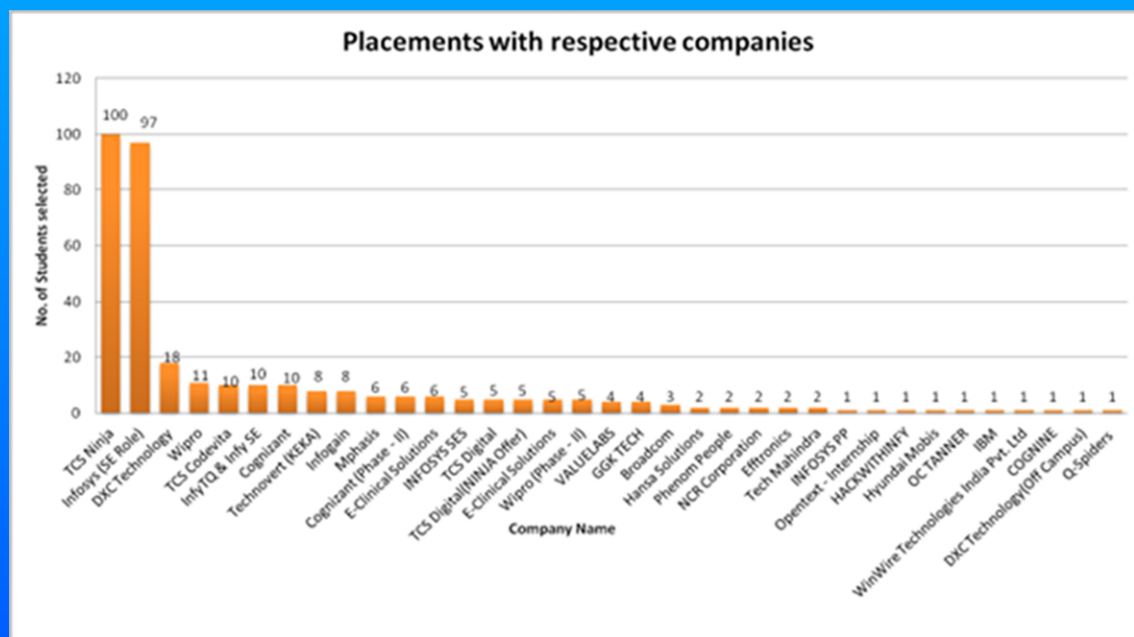
- Participants will be able to get a good understanding of research and its implications.
- Participants will be able to understand the research process and comprehend the research process.
- Clear knowledge on writing thesis and good quality project proposal for funding.
- Aware of intellectual property rights and able to patent their design/inventions.

E-Certificates for all the participants  
Registration Form Link: <https://forms.gle/gi9y9h7wVvveD7b9>

Contact Person Details  
Mobile Number: 9449491083  
E-Mail: [aprcse4fp@gmail.com](mailto:aprcse4fp@gmail.com)

## STUDENT ACHIEVEMENTS

DURING THE ACADEMIC YEAR 2019-20, 346 CSE STUDENTS WERE PLACED ON CAMPUS IN VARIOUS COMPANIES

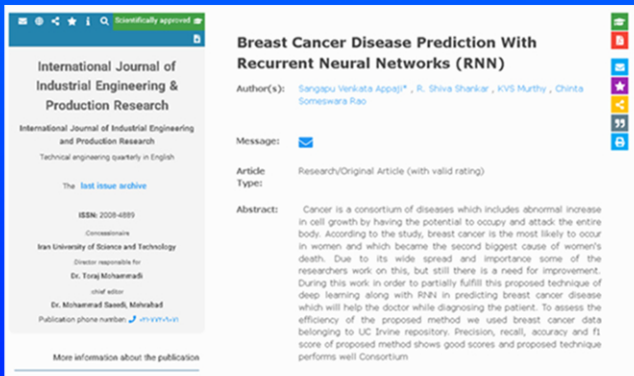
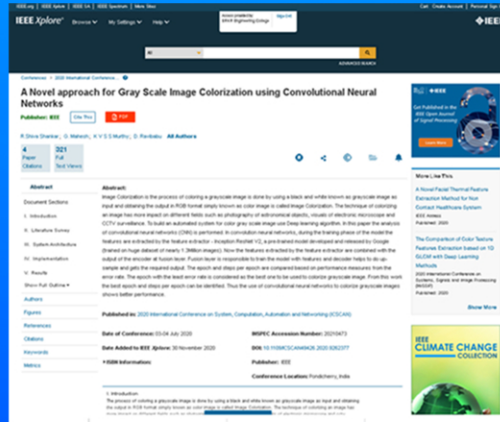


## FACULTY ACHIEVEMENTS

### LIST OF PAPER PUBLICATIONS BY FACULTY:

1. Assistant Professor Smt. K.S.R.Radhika along with others published a Paper “A Biasing Based Current Mode Analog Front-End for Biomedical Applications” in the journal Materials Today : Proceedings Journal ISSN 2214-7853, ISSN 2214-7853 (Online)

2. Assistant Professor Sri. R. S Shankar along with Mahesh.G, Murthy.KVSS, D. Ravibabu published a Paper “A Novel Approach for Gray Scale Image Colorization using Convolutional Neural Networks” in International Conference on System, Computation, Automation and Networking 978-1-7281-6203-4
3. Associate Research Professor Dr. N.K.Kameswara Rao along with others published a Paper “Content Based Image Retrieval using Deep Learning Technique with Distance Measures” in the journal Science Technology and Development Multidisciplinary Journal 0950-0707



4. Associate Professor Dr. N.K.Kameswara Rao along with others published a Paper “Dynamic Traffic Control System with Reinforcement Deep Learning Technique in Journal of Engineering Sciences 0377-9254
5. Assistant Professor Sri. R Shiva Shankar, K.V.S. Murthy & Chinta Someswara Rao published a Paper “Breast Cancer Disease Prediction with Recurrent Neural Networks (Rnn)” in International Journal of Industrial Engineering & Production Research 2008-4889
6. Assistant Professor Smt. Hemalatha Denduuri, Lakshmeelavanya Alluri published a Paper “Analysis and Prediction of Seer Cancer using Machine Learning Framework” in The International Journal of Analytical and Experimental Modal Analysis 0886-9367

CHIEF EDITOR

DR. V. CHANDRASEKHAR  
HEAD OF THE DEPARTMENT  
CSE

EDITOR

S. SURESH KUMAR  
ASSISTANT PROFESSOR  
K. SAI SAHITHI - 3/4 CSE