

R & D Committee chaired by Principal and consists of the Coordinator research, Heads of the departments, and senior faculty members of the College. R & D division has structured Research Committees to monitor and address the issues of research in every department and entire institute. It provides advisory support in selecting the R & D proposals for implementing R & D activities through analysis of technological trends and identification of thrust areas.

Recommendations of Research Committee:

- Informing the faculty members about various research schemes that are offered by the various government and other funding agencies.
- Encouraging faculty members to submit their research project proposals to the funding agencies.
- Establishment of the Incubation Centre and start-up center.
- Developing laboratories with modern equipment with updated software.
- Providing financial assistance to the faculty members to publish/present research papers in journals/conferences.
- Promoting Research culture among the staff by conducting special sessions by eminent researchers in those areas.
- Encouraging faculty members to register for Ph.D.

Impact of Recommendations of the research committee:

- Faculty enhanced their skills in submitting proposals for the sanction of R&D Projects.
- More than 25 faculty registered for their Ph.D under various universities. Around 6 scholars are working under our faculty who are acting as research guides.
- Research committee is actively engaged in conducting different activities department wise to ignite the tender minds of the young engineers and faculty to promote thought provoking process and research thinking.
- More than **400 papers** are published by faculty members in leading and peer reviewed international and national journals in the last five years.
- More than **150 papers** are published by faculty members in leading international and national conferences in the last five years.

- Five scholars completed their Ph.D. under the supervision of.

Name of the Scholar	Awarding University	Name of the Supervisor
R Usha Rani	Krishna University	Dr. T.K Ramakrishna Rao
B Ravi Kumar	Rayalaseema University	Dr. T.K Ramakrishna Rao
A. Bala Krishna	SunRise University	Dr. T.K Ramakrishna Rao
M.Devaiah	Osmania University	Dr. T. Sri Hari
Pola Venkata Gopala Krishna	Osmania University	Dr. T. Sri Hari

Steps taken to Promote Research

The policy to promote research culture in the college is given below:

- Faculty members are permitted to pursue their Ph.D.
- Incentives are offered for faculty members who are pursuing Ph.D.
- Faculty members pursuing Ph.D. can avail on duty leave for doing their Ph.D. course work, to meet the supervisor, attending conferences / seminars and preparing their thesis.
- Research publication charges for journal publications are reimbursed to the faculty who has published their papers in reputed journals.
- Financial support is provided to the faculty members for attending National /International Conference / Workshop / Seminar etc.,
- The faculties are encouraged to apply for research grants to various funding agencies and Principal investigator/coordinator is given autonomy for executing projects.
- Motivate the students to write research papers, to do research oriented project works and paper presentations at National and International level.
- Motivate the faculty members to visit the leading Institutions and consult subject experts to acquire new ideas in research.
- Industrial experts are invited to the institution for interaction with faculty and students to promote the industry need based research.
- Senior academicians from other institutions / universities are invited to share their expertise during National / International Conference / Workshop / Seminar etc.,

The college is keen on promoting interdisciplinary research also, so that faculty members from two or more departments collaborate for interdisciplinary research in the college. The College encourages interdisciplinary research by categorizing all the faculty members into several groups based on their broad spectrum of specialization irrespective of their departments.

Provision for sabbatical / Study /academic leave is provided to the faculty which facilitated the research scholars in attending the course on research methodologies by the respective universities. They have completed their course work, synopsis and thesis preparation using this facility.

Further, a reduced workload is considered for faculty members who show good progress which will help in early completion of their thesis work.

The College makes financial provisions for supporting student projects. The management provides grants to participate in Various National level competitions organized by various universities/ institutes/MNCs.

Prioritized Research Areas

The institute has taken adequate initiatives to develop and promote research culture by identifying various areas of expertise in each department and multidisciplinary areas within the campus to create a research pool.

S. No	Prioritized Area of Research	Faculty Name
1	Data Analytics, Image Processing, Bioinformatics	Dr. T.K Ramakrishna Rao
2	Data Mining & Image processing	Dr. Pullela SVVSR Kumar
3	Software Engineering, Artificial Intelligence, Soft Computing	Dr. A Rama Sree
4	Network Security	Dr.G.Sanjiva Rao
5	Wireless sensor networks	Dr. R V S Lalitha
6	Mobile Adhoc Networks	Mr.M.V.Rajesh
7	Image Processing	Mr. G.S. N Murthy
8	Network Security	Mr. T Veerraju

9	Image Processing	Mrs. M. Uma Devi
10	Data Mining &Data Analytics	Mr. V Chandra Sekhar Rao
11	Geo Spatial Mining	Mr. V Bala Sankar
12	Network Security	Mr. V Ravi Kishore
13	FACTS	Karri Manoz Kumar Reddy
14	Multi Level Inverters	Prof.A.Ramesh
15	Power Systems	Dr. Keerty VS Ramachandra Murthy
16	Power Systems	Dr. Y.Srinivasa Rao
17	FACTS	Dr.Veeranki Srinivasa Rao
18	MICRO GRID	CH Uma Phanendra Kumar
19	Microstrip Antenna	Mr. Guttula Rama Krishna
20	Instrumentation technology	Dr. Satya Srikanth Kakarapalli
21	Wireless sensor network	Dr. Geesala Veerapandu
22	Digital Image Processing	Dr. Thirumala Srinivas
23	Digital Image Processing	Dr.G. Sridevi
24	Instrumentation and Control System	Mr.M.S.R.Sekhar
25	Instrumentation and Control System	Mr. P. Ramesh
26	Communication & Signal Processing	Mr. M. Venkateswarlu
27	Advanced Mechanisms	Dr. M.Sreenivasa Reddy
28	Manufacturing(Welding Technology)	Dr. T.Srihari
29	Thermal	Dr. A Saravanan
30	Thermal	Mr. Yarrapragada K S S RAO
31	Thermal	Mr. H.Suresh Babu Rao
32	Thermal	Mr. C.Ram Mohan Rao
33	Manufacturing	Mr. K.L.Kishore
34	Mining and sustainable developments	Dr.R.Giriprasad
35	Engineering Geology	Dr.Bandi muralidhara Reddy
36	Fluid Dynamics	Prof. Marneedi Srinivasu
37	Fluid Dynamics	Dr. Adivireddy Neeraja
38	Magnetic Material Science	Dr. Packiaraj G
39	Hetero cyclic compounds	Dr. P.V.N. Acharyulu
40	English Literatrue	Dr. Pilli Hemalatha
41	Drug Analysis	Dr. O S S Chandana
42	Fluid Dynamics	Dr. Ch. V. Siva Prasad

43	Fuzzy Logic	Dr.B. Krishana Veni
44	Pharmaceutical Sciences	Dr. S. Aruna Kumari
45	Enivironmental Bio-Technology	Dr. V. Suryanaryana
46	Material Science	Prof. P.S.V.Shanmukhi
47	Fluid Dynamics	Mrs. P S S R Sujatha
48	English Literatrue	Mr. J. Bala Mohan Raju
49	Eco Tourisim	Mr. Upadhyay Abhishek Kumar
50	Semi Group Theory	Mr. R Nanda Kumar
51	English Literatrue	Mr. R.S.V. Phanendra
52	Mathematical Modeling	Mrs. G. Ananatha Lakshmi Satyavathi
53	Glass Science	Mr . G. Chinna Ram

Infrastructure facilities:

- The college takes efforts to facilitate research with resources like laboratories, digital library and computer lab facilities especially for research and project works.
- Apart from software and hardware required for regular curriculum of UG and PG programmes, the departments have purchased the necessary hardware/software equipment which will be useful for pursuing research.
- Some of the faculty of the college are recognized guides for many universities.
- Internet connectivity and Wi-Fi facility is also available for the students and the faculty to enable them to review their academics and their research programs.
- Books, journals and e-contents are available for the researchers.
- Reputed journals like IEEE, Science Direct, Springer, ASME, ASCE, IEL online etc., are available in the library for the needs of the researchers.
- Central Library has separate sections for the display of research journals.
- In the Annual Budget, a considerable amount of fund is allotted for research activities.
- The central workshop facilitates the fabrication for the students' projects.