



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956

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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 faculties registered for their Ph.D under various universities.
- 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 **250 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.

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	Branch
1	Power Electronics	Dr.A.Ramesh	EEE
2	Data Mining & Image Processing	Dr.Pullela SVVS Ravi Kumar	CSE
3	Power Systems	Dr.M.Ravindra	EEE
4	Power Electronics	Dr.A.S.S.Veerendra babu	EEE
5	Image Processing	Dr. G.S.N.Murthy	CSE
6	Data Mining	Dr.B.Annapurna	CSE
7	Quantum Cryptography	Dr.UNPG Raju	CSE
8	Computer Networks	Dr. B. Kiran Kumar	CSE
9	Image Processing	Dr. M. Uma Devi	CSE
10	Antenna	Dr. G. Rama Krishna	ECE
11	RF & Microwave	Dr. G.Meenakshi Sundaram	ECE
12	RF MEMS	Dr..R.Raman	ECE
13	Biomedical Engineering	Dr.U.S.B.K Mahalakshmi	ECE
14	Low Power VLSI	Dr.Inamul Hussian	ECE
15	Biomedical Image Processing	Dr.G.Jaffino	ECE
16	Thermal Engineering	Dr Y K S Subbarao	ME
17	Mechanical Vibrations	Dr Anjibabu Merneedi	ME
18	Manufacturing	Dr DVSSSV Prasad	ME
19	Underwater Acoustics and Machinery Condition Monitoring	Dr Marxim Rahula Bharathi B	ME
20	Thermal Engineering	Dr N Bhanu Teja	ME
21	Manufacturing	Dr Navannetha Krishna vadivel	ME
22	Analytical Chemistry	Dr.O.S.S.Chandana	H&BS
23	Fluid dynamics	Dr..G.Balaji Prakash	H&BS
24	Electro Analytical Chemistry	Dr.C.Rajasekhar Reddy	H&BS
25	Electro Analytical Chemistry	Dr.A.Lakshmi Lavanya	H&BS
26	Light weight Concrete	Dr Swaminadha	CE

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.