ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under section 2(f) of UGC Act 1956

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Strategic Perspective plan of the institution
(AY 2022-23 to AY 2027-28)

The institution has Long term Strategic Perspective plan for continuous improvement and move towards the realization of vision, mission and core values. The strategic plan is deployed and reviewed from time to time by obtaining feedback from stake holders and various academic and administrative bodies.

The new millennium is going to witness unprecedented challenges and opportunities in Technical Education. The Technical Education plays a vital role in human resource development of the country by creating skilled manpower, enhancing industrial productivity and improving the quality of life. The Technical Education covers wide gamut of programs and specializations. To keep the faculty themselves abreast of the state of the art technology, it is important that they inculcate the habit of innovation and research. This institute is keen to train the faculty to strengthen their research activities and innovations.

A. Improvement in quality Technical Education:

In order to improve the quality of Technical Education, the institute is keen to observe the educational system at IIT and International level and collaborate with them to strengthen its Teaching-Learning Process as well as Research. The Institute plans to improve to collaborate with the reputed Educational Institutes and Universities for:

1. Students exchange, Faculty exchange and Collaborative Research.

2. Experimental and Demonstrative Teaching Learning process to Impart skill-based education in the Institution.

3. To impart training to the faculty in pedagogy and relevant technical expertise for further strengthening their teaching skills and keep themselves abreast with the latest developments.

4. To acquire Academic Autonomy to enable the Institute to design the curriculum so as to cater the needs of industry.

5. To participate in National Rankings and Surveys for National Exposure and recognition and to achieve better ranking.

B. Collaboration to impart Skill-based Education:

In order to impart skill-based education, the institute is already collaborated with ADIS ABABA, NOVAL PATENT SERVICES, TIE HYDERABAD, Ui PATH ACADEMIC ALLIANCE, CL

MEDIA, TIME, ITU, REDHAT, CISCO, SAKROBOTIX LAB, EDCIL, MICROSOFT INOVATION CENTER, INFOSYS LIMITED (CAMPUS CONNECTING

PROGRAMME) L & T and PEARSON VUE and has plans to collaborate with more industries, Reputed Institutes, Universities and Research organizations.

1. Each Department is planned to collaborate with premiere institutes like IITs/NITs for projects, summer trainings, internships and guest lectures.

2 Inter-disciplinary researches will be encouraged.

Institution Strategic Goals:

1. Accreditation & Ranking
2. Teaching and Learning
3. Research and Development
4. Alumni Interaction
5. Industry Interaction / Collaboration
6. Student's development and participation
7. Staff development & welfare
8. Entrepreneurship
9. Library, ICT and Physical Infrastructure / Instrumentation

Strategic Planning

Accreditation and Ranking	• **NBA** accreditation of 100% of UG programs by 2023 • **NAAC** accreditation with A++ Grade by 2023 • **Autonomous** status by June 2024 • **NIRF ranking**
Teaching and Learning	• Introduction of more market Relevant and futuristic skill based Add on courses to be introduced • Pedagogical Innovation-to be encourage and introduce in teaching learning • Use of more teaching aids and adopt more ICT • Development of teaching plan as per OBE • Preparation of Lesson Plan based on CO & PO mapping • Development of e- learning resources • Promote research culture & facilities

	• Provide mentoring and personal support • Follow a transparent and fair feedback system • Conduct training based on need analysis • Evaluation parameters and benchmarking • Continuous assessment to measure outcomes
Research and Development	• 50% of the total faculty tobe awarded with PhD degree by 2025. • Dedicated R &D facilitation Centre • Establish and develop Laboratories with more research facility • Fund generation through Project proposals • Apply for Government/Non-Government industry, sponsored funds • Collaborations with Government & Private Institutes, Universities and Research Organizations • Applying for patent • Students research paper publication/ presentation in Journal/ Conference from each department to be increased. • More Initiatives should be taken to encourage the students for Start-ups and entrepreneur ship. • Faculty members to be involved in consultancy work using their own expertise.
Alumni Interaction	• Data base creation, Regular interactions with alumni and networking • Recognition of successful alumni • Leverage for guest lecturers/internships/placements/training/ entrepreneurship • Exploring Contributions • Brand ambassadors • Sponsorships/scholarships/fund generation
Industry Interaction / Collaboration	• More no. of MoUs with industries • Support for internships, visits, trainings, guest lectures • Identifications of industry needs and advice on Curriculum for extra courses apart from curriculum. • Providing opportunities for Industry based/sponsored

	projects
	• Providing career guidance
	• Establishing innovation centres
Student's development and participation	• Budget allocation for student development programmes and activities
	• Students Trainings & Placement Activities
	• Formation of student council
	• Student's representation in various committee and cell
	• Participation in competitions
	• Organizing competitions
	• Credit transfer & compensation
	• Rewards & recognitions of achievers
	• Participation in extracurricular activities
	• Participating in social and welfare activities
Staff development and welfare	• Recruitment Policy formation & implementation
	• Staff performance evaluation system
	• Staff Training for quality improvement
	• Best possible work facilities & infrastructure facilities
	• Staff welfare policy implementation
	• Career advancement schemes
	• Rewards, recognitions and incentives
	• Deputation for seminars, conferences and workshops etc.
	• Sponsorship/ Motivation for qualification improvement
	• Support for research, consultancy, innovations
Entrepreneurship	• Establishment of Entrepreneurship Development Cell
	• Effective functioning of entrepreneurship development Cell
	• MoUs with organizations for entrepreneurship development Providing training & guidance for entrepreneurship development
	• Bringing more experts of the field for seminar, lecture, workshop for entrepreneurship development
	• Establishing incubation centers
	• Promoting, sponsoring and facilitating entrepreneurship development.

Library, ICT and Physical Infrastructure / Instrumentation	• Infrastructure building development & modification • More number of Subscription of E-Journal & E-books • Library infrastructure development. • NDLI membership with library of renounced institutes, Universities, IIT's and remote access of e - resources. • Modernize all class roomsand laboratories to savepower. • Smart Class rooms, Tutorials, Seminar halls • Modernization of Laboratory & equipment • More ICT enabled classrooms • Library infrastructure up gradation • System up gradation • Functional facilities for e-learning • Safety & Security management • Water facility • Medical facility • Developing sports (indoor/outdoor) facilities • Plantations • Rain water harvesting • Renewable Energy usage • Hygiene, zero plastic & green campus • Recycling of water

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