ESTD 1995

SHADAN COLLEGE OF ENGINEERING &TECHNOLOGY

Peerencheru - 500086, Hyderabad

STRATEGIC PLAN

2015-2016 to 2019-2020

Shadan College of Engineering & Technology
College Code: 08
Hyderabad-86, T.S.
Peeran Cheru

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Vision

To become a Centre for Excellence in Teaching and Learning, to inculcate innovative research for sustainability and to provide a better societal safety.

Mission

- To ensure the availability of faculty with excellent research potential.
- To adopt outcome-based education in a student-centric learning model that helps the faculty to plan course delivery and assessment with the end point in mind, by identifying curriculum gaps and adding values to fill up the gaps.
- To provide quality educational opportunity for socially, economically, backward / weaker section and to enhance ethical standards among all students for a lifelong learning.

Quality Policy

- To produce high calibre technical graduates
- Providing opportunity for higher education
- Creating healthy environment for employment through industrial collaboration.

Core Values

- In light of Dr. Vizarath Rasool Khan vision, we believe in imparting Education and disseminating knowledge among youth, which is one of the best ways of nation building.
- Give due respect to all students and staff members
- Gender biasness is strictly prohibited.
- Enhance professionalism with good human values.
- Promote team spirit and healthy competition.
- Create healthy atmosphere for effective teaching–learning process.
- Promote creativity and innovation in all activities.
- Promote equality, integrity, patriotism and brotherhood.
- Promote communal harmony and religious tolerance.
- Value individual differences and dignity of labor.
- Sharing of experience, knowledge and skills.

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Short Term Goals

1) Achieving academic excellence in the examinations
2) Encouraging active participation co-curricular and extracurricular activities
3) To excel in communication Inter personal and soft skills
4) Providing environmental and opportunities metric skills
5) Organizing programs on personality development and entrepreneurship to foster qualities of leadership and entrepreneurship
6) Arising for good placement for eligible students
7) Achieving NAAC and NBA accreditation

Long Term Goals

1) To Achieve Autonomous states
2) To have 100% Ph.D faculties in the Institution
3) To enter into agreements with national and International premier institutes to exchange students and innovations
4) To have Independence Research center
5) To develop consultancy in all disciplines through with research organization, government establishment, industry and alumni

PERSPECTIVE PLAN

1. Achievement of NAAC A+ Grade for our institution.
2. To prepare documents for NAAC and NBA.
3. SSR preparation for NAAC and review of NAAC work
4. Participation/scoring good rank in NIRF.
5. Curriculum planning according to University Academic Calendar.
6. Guidelines for execution of academic activities like Timetables, Course Files, and Lesson Plans etc.
7. Monitoring and effective implementation of Academic Audit-online classes.
8. Review of progress in 2f Application, Swayam, MOOC and NPTEL courses.
9. Encouraging students and faculty to enroll NPTEL courses.
10. Review of OBE-Blooms Taxonomy Method.
11. Planning for Execution of

a) Add on certificate courses.
b) Elective courses.

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c) Cross cutting issues.

d) Feedback on curriculum planning.

e) Experiential learning through project work and internship.

f) Feedback collection, analysis and action taken.

g) Special Programm for Advance and slow learners.

h) Strengthening ICT tools and Facilities.

i) Strengthening Mentoring system.

j) Transparency in internal Assessment.

k) Student feedback on Academic and Administration system.

12. Encouraging faculty and students towards R & D, research publication, books, patents project proposals, industrial collaboration, IPR, and creating Research Eco system.
13. Incentives for faculty and students for best performance in Academic, Research and Administration.
14. Conducting more Social Welfare Activities and Extension Activities.
15. Industrial collaboration by doing functional MoUs.
16. Strengthening physical facilities-online classes, sports, cultural activities.
17. Subscriptions of the E-journal, E-books, Text Book for college library and Department library (Program wise).
18. Preparing Login data for online/offline access in library.
19. Campus premises maintenance including rest room laboratories and play grounds.
20. Ensuring scholarship for our students from government institutions and non-government agency.
21. Capacity building and skill enhancement initiative (soft skills, language & communication skills, life skills, ICT, computing skills).
22. Guiding students for competitive examinations and career advancement.
23. Timely redressel of student grievances including sexual harassment and ragging cases.
24. Effective preparation for more students to get placement.
25. Encouraging students for higher education.
26. Encouraging students and faculty for outstanding performance in sports and cultural activities at university, state, national and international level.
27. Facilitating student's representation engagement in various administrations, co-curricular and extracurricular activities.
28. Conducting regular Alumni meeting/Engagement/Encouraging for alumni contribution.
29. Implementation and taking stock of E-governance in administration, finance and accounts, student's admission and support examination.
30. Financial support/assistance for best performing faculty, non-Teaching staff.

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31. Financial support to faculty members to attend conference/workshop/membership fee of professional bodies.
32. Organizing administrative training program.
33. Encouraging faculty to attend/organize online/offline FDP.
34. Conducting faculty performance appraisal.
35. Strengthening institutional values and social responsibilities (gender sensitization /facilities for women in campus.
36. Strengthening facilities for alternate sources of energy.
37. Strengthening facilities for degradable and non-degradable waste.
38. Water conservation /developing green campus.
39. Conducting quality audit: green audit, energy audit, environment
40. Strengthening disabled friendly/barrier free environment.
41. Creating inclusive environment.
42. Sensitizing students/employee to the constitutional obligations.
43. Conducting National and International Conference as Department wise.
44. Schedule of tentative Guest Lecture/Workshops, Extra-Curricular and Sports events to be finalized.
45. Organizing Orientation Program for the First-year students in coming Academic Year 2019-2020.

The institute is aware of a few weaknesses consciously viewed as opportunities for improvement and is forging ahead with its proven strength. The institute can avail itself of opportunities and perceive challenges to excel by seeking external funding and generating internal resources.

"Strategic Plan is developed for institutional development based on SWOC analysis"

Objective-1: Promote student community to excellence.

Strategies:

- Develop and maintain focus on student learning outcomes.
- Support innovative pedagogical approaches that address the needs of diverse students.
- Design a system for weak learners for remediation and acceleration.
- Encourage students with high academic caliber to undertake mini and major projects.

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- Continuous training activities in Placements, Scientific, Professional and Entrepreneurial skills to make students employable.
- Provide personal attention to students by offering counseling and orientation to higher studies and research.

<u>Objective-2:</u> Start academically distinguished and demand driven Post Graduate (PG) programs.

Strategies:

- Conduct periodic review of industry demand and increase support for the career oriented post graduate programmers.
- Offer online, blended and flexible programs and courses.
- Start advanced programs in the fields of big data, Machine learning, embedded systems, VLSI and other application oriented inter disciplinary programs in electrical, electronics and computer engineering.

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<u>Objective-3:</u> Sustain and enhance excellence in teaching and learning.

Strategies:

- Develop a culture of pedagogy that leads to demonstrable student learning.
- Train all the faculty to current pedagogical approaches and introduce state-of-art technologies in teaching and learning process.

- Increase financial support and provide leave facilities for the faculty to upgrade qualifications, attends seminars, faculty development programmers and conferences undergo pedagogical training and interact with academic experts.

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Objective-4: Development of effective ICT tools.

Strategies:

- Provide modern Information Technologies in library, computing centers, class rooms and laboratories for teaching-learning, research and academic administration.
- Extend the library, computing and internet facilities for all faculty and students at all locations on the campus.
- Promote ICT enabled teaching-learning process.
- Create rich and robust center of excellences for research and consultancy.

Objective-5: Increasing research & development and consultancy Competence.

Strategies:

- Provide innovative modern facilities and laboratories for multi-disciplinary research.
- Recruit faculty with high research profile.
- Promote increased faculty participation in research, consultancy and sponsored projects.
- Increase funding support for faculty research and creative endeavors.
- Create department wise centers to make the services and products to the industry, thereby generating internal funds.

Objective-6: Enhanced interaction with industry.

Strategies:

- Interaction with industry to provide opportunities to students by exposing new technologies and research problems solving.
- Support from industry for the institution in developing laboratories, provide software and exposure on latest technologies.
- Collaborate with industry to do student projects and R&D activities.
- Training faculty and staff on latest technologies in the industry.
- Enhance employability of students by training on technical and managerial skills and provide placement opportunities.

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Objective-7: Expanding local, regional and national outreach.

Strategies:

- The institute departmental centers to identify the needs of the society and provide technical services in the institute neighborhood.
- Utilize the expertise and technology of the institution to foster social, environmental and economic development in the neighborhood.

Objective-8: Governance, leadership and Accountability.

Strategies:

- Train the managerial and administrative heads of the institution in ethical and moral orientation in exercising leadership.
- Enhance the management capacity by decentralization of administration and foster participative management model.
- Provide overall satisfaction of all stakeholders through efficiency and transparency.

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Action Plan
(2015-2016 TO 2019-2020)

S. No.	Activity done	Academic Year				
		2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
1	Establishment of corpus funds	√	√	√	√	√
2	Remedial classes for weak students	√	√	√	√	√
3	Student research activities			√	√	√
4	Student skill development programs (Technical communication and entrepreneurship etc.)	√	√	√	√	√
5	Mentoring and orientation to higher studies and research	√	√	√	√	√
6	Student evaluation reforms	√	√	√	√	√
7	Faculty development programs (FDPs) etc.	√	√	√	√	√
8	Qualification up gradation of faculty to M. Tech & Ph.D.	√	√	√	√	√
9	Performance Appraisal of Faculty	√	√	√	√	√
10	Faculty incentives for research & Development			√	√	√
11	Conducting Guest Lectures / Seminar / Workshops / Conferences etc.	√	√	√	√	√
12	Industry Interaction	√	√	√	√	√
13	Up gradation of Library facilities	√	√	√	√	√
14	Up gradation of Computing facilities			√	√	√
15	Establishment of new labs and procurement of software			√	√	√
16	Training on latest tools / technologies for faculty and staff				√	√
17	Campus Recruitment Training (CRT) for placements		√	√	√	√
18	Self-learning / MOOCS / NPTEL Certification				√	√

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