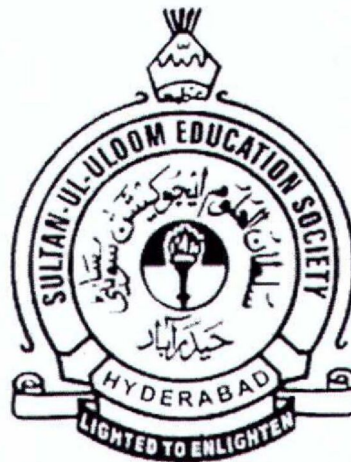
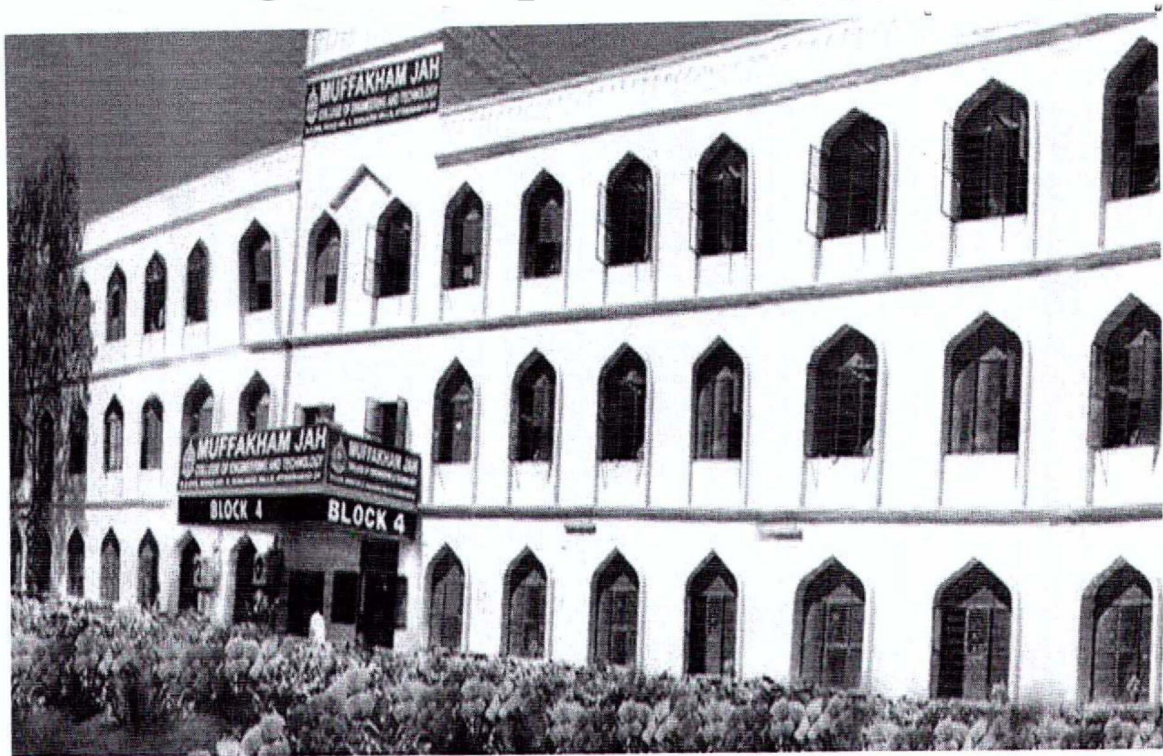
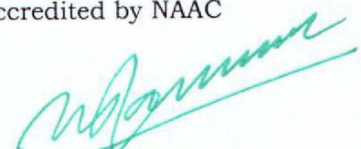


Strategic Development Plan (2022-27)



MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY
(SULTAN UL ULOOM EDUCATION SOCIETY)

Approved by AICTE, Affiliated to Osmania University, Accredited by NAAC


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MESSAGE

The Sultan-Ul-Uloom Education Society began as an educational initiative with an underlying mission to equip students of diverse disciplines with the skills and competencies needed to face the challenges of a fast changing world. Over the last two decades the Society has grown and branched into a giant tree of learning under which 9 institutions straddling diverse areas of learning have emerged as premier centers of quality education. Keeping pace with rapidly evolving ideas and technologies through quality education has been the mainspring of the growth of our institutions.

We at Sultan-ul-Uloom believe in the advancement and dissemination of knowledge that would serve the intellectual needs of citizens of the 21st century in a global economy. We believe that knowledge acquired should be applied to contribute to the well-being of humanity and that our students should lead productive, responsible and meaningful lives.

It is this vision which guides the vibrant campus community of students and faculty alike. And spurs them onto constantly raise the bar of academic standards. Quality, creativity, openness and diversity fire all of us to aim higher to realize our ideals and aspirations.

Chairman, SUES



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Preference

Strategic planning is critical for an organization to achieve the Vision and Mission that it desires. Strategic planning is a continual activity that focuses on the future. Achieving institutional objectives in a competitive world Strategic. The planning and deployment document is based on a review of the current situation. Future challenges and opportunities and considers the future which the organization should strive to fulfill its objectives as well as goals.

The first section discusses the institute's vision and mission, as well as key values and long and short-term institutional goals. Stakeholders (management, leadership, HODs, faculty, staff, industry, students, alumni, and parents) define and guide them through SWOC analysis. The institutional goals were built up in all conceivable growth domains after studying the internal and external environment through a constant thought process and conversation with HODs and faculty members.

To attain institutional strategic goals, strategies with action plans were chosen. While developing the strategy plan and deployment document, great attention was taken to ensure that all stakeholders were included to help contribute their share, which is critical to any organization's success. The implementation stages and monitoring have been clearly identified by setting quantifiable targets in line with the anticipated outcomes. This will become the guiding force for MEC in achieving its mission of becoming an academically excellent institution that provides professional services to society through skilled young engineers and managers.



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VISION

To be a part of the universal human quest for development and progress by contributing high caliber, ethical and socially responsible engineers who meet the global challenge of building a modern society in harmony with nature.

MISSION

- To attain excellence in imparting technical education from the undergraduate to through doctoral levels by adopting coherent and judiciously coordinated curricular and co-curricular programs.
- To foster a partnership with industry and Governmental agencies through collaborative research and consultancy.
- To nurture and strengthen auxiliary soft skills for overall development and improved employability in a multicultural workspace.
- To develop scientific temper and spirit of enquiry in order to harness the innovative talents.
- To develop a constructive attitude in the students towards the task of nation-building and empower them to become future leaders.
- To nourish the entrepreneurial instincts of the students and hone their business acumen.
- To involve the student and faculty in solving local community problems through economical and sustainable solutions.

Quality Policy

To impart quality education & training primary to degree in "Engineering" and endeavors at being a universal institution all the way through repetitive enhancement of its pedagogical capability and value of the quality managing system. The quality policy is conversed and implicit by all stake possessors in the institution and is evaluated for long-lasting appropriateness.



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Core Values of the Institutions

- Academic integrity through honest, fair and ethical and transparent processes
- Excellence in teaching-learning through student centric pedagogy and state of the art facilities
- Tolerance for diversity among the faculty and students through freedom and respect for everyone without discrimination
- Interdisciplinary interaction through elective courses, projects and R & D work
- Faculty Development through support for qualification improvement, research, innovation and publications
- Student development by nourishing creativity, imparting life skills and instilling social responsibility.

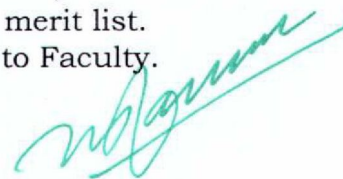


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Strength, Weakness, Opportunity, and Challenges (SWOC) Analysis

Institutional Strength

- Centrally located in the heart of Hyderabad city, the capital of Telangana, with eco-friendly Green
- Campus spread over an area of 24 acres.
- Institution offers eight B.E. (780 intake) and five M.E. courses (102 intake)
- Establishment of OU recognized Research Centers in five departments. Allotment of 69 research scholars by Osmania University.
- Accreditation of 5 programs by NBA in 2002. SAR for reaccreditation of all B.E. programs has been filed.
- Institution included under sections 2(f) and 12(b) by UGC.
- Institution ranked in 150-200 band by NIRF
- Institution ranked 52nd by Outlook magazine, 47th by Times daily, 42nd by The Week magazine and 28th by India Today magazine. This is national ranking given by the magazines for 2019.
- Participation in all the AICTE and MHRD recommended activities
- Wi-Fi enabled campus. Faculty and students can avail free Wi-fi service by registering with the system administrator of the college.
- ICT enabled class rooms and seminar halls
- Well-equipped laboratory and computational infrastructure facilities with state of the art equipment
- Fully automated Central library with over 62000 volumes and access to online National and International E-Journals through subscription to three data bases, national journals and e-books.
- CCTV monitored campus for security.
- Proactive Management support for institute's academic and co-curricular activities.
- Qualified and experienced faculty with about 25% of them possessing Ph. D. degree.
- Effective placement training and consistently good student placements in reputed companies.
- Facilitation of Faculty and Students activities by the management (Faculty - Study Leave, Sponsoring of Faculty for Workshops, Seminars. Conferences, FDPs, Orientation and Refresher courses, R&D funding, Students - Industry oriented certification and training programs, professional student chapters, incubation center etc.)
- Top ranks of students in the Osmania University merit list.
- Financial support for research paper publication to Faculty.



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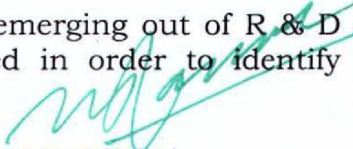
- IIT Bombay nodal center for MHRD's MOOCs program under which may FDP and training programs are offered for the faculty and students
- Recognition as NPTEL nodal center with enrollment by students and faculty.
- Good indoor and outdoor Sports Facilities for students and staff.
- Establishment of student professional chapters like IEEE, ACM, IEI, ICI, EWB-INDIA, SAE, CSI etc

Institutional Weakness

- Affiliated college status due to which freedom to adopt our own curriculum is not available and introduction of new courses in areas of emerging technologies is not possible. In such a scenario we have to offer these courses as out of curriculum content which will be optional and cannot be made mandatory.
- Non-availability of adequate Associate professors to meet the norm of 1:2:6. In most of the cases, faculty is offered professor's post on obtaining Ph. D. degree. Hence it is difficult to retain them in the Associate Professor cadre.
- Inadequate Sponsored / Funded research Projects and TEQIP funding. Efforts are being intensified after inclusion of the college in sections 2(f) and 12(b) of UGC
- Weak industrial consultancy work.
- Insufficient MoUs with Industry and research organizations.
- Weak placement trends in core industries of Civil, Mechanical and Electrical engineering sectors.
- Non-availability of visiting and adjunct faculty from industry.

Institutional Opportunity

- Harnessing Alumni base for Institutional growth. The college Alumni are
- Take advantage of Institute's central location to improve interaction with universities, R & D organizations, corporate and Governmental agencies.
- Take advantage of the vast IT hub in the vicinity of the institution for securing internships for the students, inviting the industry professionals for delivering guest lectures and appointing them as guest faculty.
- Promoting more startup registrations through the newly formed incubation center.
- Directing collaborative multi-disciplinary research of R & D cell towards solving challenges faced by community.
- Securing IPR for innovative ideas and products emerging out of R & D projects. A systematic approach can be adopted in order to identify


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projects with high potential for patent application with the assistance of IPR consultant.

- Counseling students to appear for competitive examinations like UPSC, GATE, CAT, GMAT, TOEFL, GRE etc.
- Organizing coaching classes for competitive examinations in collaboration with reputed institutes.

Institutional Challenge

- Retaining the national ranking of the institution in competition with autonomous colleges, deemed universities and private universities. At the national level, the college was placed in the 150-200 band by NIRF. All India ranks accorded by national level news magazines for 2019 are: 42nd by The Week, 52nd by The Outlook, 47th by The Time Daily and 28th by India Today.
- Retention of qualified faculty. It is observed that on acquiring Ph. D. degree, the faculty is prone to migrate to other institutions lured by the designation of Professor. At MJCET, the recruitment norms of AICTE are followed strictly. In this situation, efforts are made to retain the faculty by offering special allowance and fast track promotions.
- Overcoming the shortage of Associate Professors since the faculty has opportunities of being designated as professors in other institutions on acquiring Ph. D. degree.
- Maintaining the quality of the incoming student. As more and more institutions join the league of good colleges, student quality is likely to be impacted, not only in MJCET but collectively along with other institutions.
- Providing placement to the graduates in core sector industries
- Maintaining the placement consistency in IT sector jobs. Economic slowdown of the IT sector is a more frequent phenomenon than the core sector.
- Incorporating add-on out of curriculum course modules to comply industry requirements. This is a challenge because of lack of free slots in the academic schedule and availability of qualified faculty in the emerging areas of technology.
- Strengthening networking with universities, research organizations and corporate. With the advent of internship in the curriculum, the competition is likely to intensify further for MoU with industry and corporate.
- Securing research funding from AICTE, DST and similar organizations.



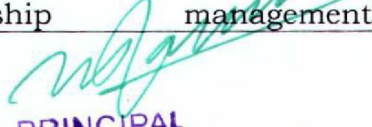
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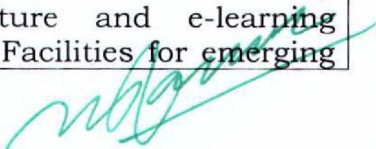
Strategic Goal

Muffakham Jah College of Engineering and Technology organization team after brainstorming the vision, mission, quality policy, core values, environmental factors and SWOC analysis encompass to reach the stair of significant Institution Strategic Goals for 2017-2022.

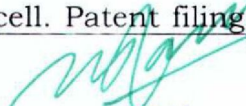
Good Governance	Governing Body: • The Governing Body is in charge of supervising and approving policy decisions, as well as staff recruitment and annual budgets. • Benchmarking and evaluation of an institution's academic performance. • Effortless operation of statutory committees.
	Vision and Mission: • The vision of the institution is in tune with the current global perspectives which place a high premium on sustainability, environment, innovation, ethics and social responsibility. • The mission of the institution lays down the guidelines for the realization of the vision by providing the framework in areas of pedagogy, R & D, collaboration, innovation, entrepreneurship, soft skills and national building.
	Leadership & Transparency management: • Policy design, approval, and implementation are all aspects of leadership and transparency management. • Circulations of Service Rules Student and Staff Complaints Mechanism for redress Leadership management


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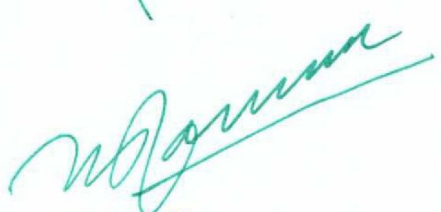
	decentralization E-Governance implementation in administrative, student support, and other areas.
	IQAC: • To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. • To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.
Accreditation & Certification	• Resource planning & budget approval. • Inspections university affiliation preparation & Approvals. • Preparation for the Accreditation & certifications
Teaching & Learning	• Improvements in teaching and learning infrastructure in line with changing pedagogy and implementation, such as aggressive ICT adoption through enhanced facilities in classrooms, e-classrooms, skill development centres, laboratory, library, and Wi-Fi connected classrooms. • Laboratory for Research and Development (R&D) and its upkeep
Infrastructure and facilities	• Classrooms, tutorials, seminar halls, and conference halls should all be upgraded. • Laboratory and equipment that are state-of-the-art Library infrastructure and e-learning upgrades Facilities for emerging


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	sports (indoor/outdoor) Boost hobby clubs and canteen facilities. - Increasing the number of transportation options - Plantations and rainwater collecting - Creating facilities to improve energy conservation and management. - Developing facilities for optimal use of reclaimed waste water. - Solid waste management (zero plastic usage).
Industry & Institute Collaborations (MOUs)	- The establishment of an industry-institute interaction cell determines your chosen industries and firms by branch. - Identification of interesting research topics - Memorandums of Understanding with industry - Internships, visits, trainings, and guest lectures are all supported. - Creating opportunity for industry-sponsored/based projects. Strengthening training and placement, as well as providing career assistance. - Establish excellence centers and skill development centers. - Membership in professional organizations.
Research & Development	- In all departments, improving R&D laboratories. Dedicated facilitation and documentation centre for R&D. R&D labs require qualified technical personnel. - Developing centers of excellence. - Creating a Consultancy Cell. Product and development for a maker space startup. - Concentrate on product development. Initiation of the patent cell. Patent filing, sealing


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	up, and commercialization are all steps in the process.
Placement, Internships & Career	• T&P Team is dedicated to the setup. Organize public awareness campaigns. • Organize value-added programmes. • Memorandums of Understanding and Relationship Management Planning and executing internships. • Creating a database of possible sectors and companies. Infrastructure modernization (video conferencing, interview and conference rooms).
Alumni engagement and interaction	• Boost alumni involvement and affiliation. • Set up an alumni association office on campus and get students involved. • Update the data base and create an interactive alumni website. • Create global chapters and networking opportunities.
Social Activities	• Under UBA, research rural initiatives and issues. Conducting health awareness and blood donation camps, as well as conducting awareness campaigns in towns and communities.

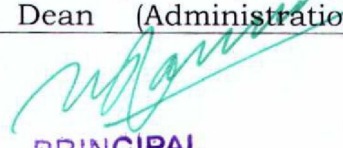

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Strategy Implementation and Monitoring

The IQAC will track the progress of the strategic development plan once it has been approved by the Governing Body. As a result, the implementation document explicitly spells out the measurable success indicators. The strategic plan and its implementation will be overseen by the principal, academic council, and other team members.

Implementation at institute level

Good Governance and Administration	GB, Chairman, Members of GB
Finance & Account Management	GB, Advisor-cum-director, Finance Committee
Institution Complaint Compliance	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
University Affiliations	GB, Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Teaching & Learning	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Infrastructure and facilities	GB, Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Students Affairs	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Industry & Institute Collaborations (MOUs)	GB, Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Research & Development	GB, Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Placement, Internships & Career	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Alumni engagement and interaction	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Social Activities	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs


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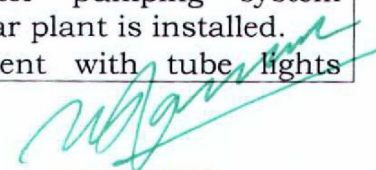
	HODs
Students Admissions	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Departmental Activities	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs
Entrepreneurship	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs, E-cell Incharge
Library	Advisor-cum-director, Principal, Dean (Academic), Dean (Administration), HODs



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Measurable during Implementation

Good Governance	• Governing Body selection • Vision-Mission reviews • Number of meetings conducted. • Policies implementation. • Student & staff procedures, • Service & Conduct Rules
Accreditation & Certification	• The Institute got UGC 2f status.
Teaching & Learning	• No. of learning resources • No. of student counseling/mentoring/training sessions conducted. • Result of examinations (Pass, First classes, Distinctions) • Graduate attribute attainment levels • Student feedback
Infrastructure and facilities	• The entire campus installed CCTV cameras and fire safety equipments in each floor of the block. • Adequate infrastructure is developed for extracurricular activities. • Established RO unit and Potable water supply through coolers and dispensers is made available in every floor and block • Upgrade the all the computers. • Strengthen WIFI Facility.
Research & Development	• Established R&D Center
Placement, Internships & Career	• Every Year Conducted Campus Recruitment Training (CRT) Classes with TIME
Certification	• From IIC the institute got 4.5 Star rating • NIRF is in participation • ARIIA -2021
Green initiative	• 2HP water pumping system using solar plant is installed. • Replacement with tube lights


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	with LED lights
Skill Development	• Center of Excellence

The Principal, Academic Council, as well as other committees shall assess the strategic plan's performance on a regular basis. The heads of the various committees will contain a comprehensive development report. The IQAC committee monitors and evaluates the strategic plan's progress on a regular basis. The findings were summarized to the Academic Council and the GB by the IQAC. The Academic Council and the GB committee will recommend corrective measures, additional procedures, and adequate resources depending on the IQAC assessment.



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VISION PLAN FOR NEXT 10 YEARS 2027-2037

To capitalize on positive impact of past five years for strengthening of the brand name "MJCET" at State and National level through expansion with vigorous efforts towards quality education, improved faculty profile, foreign collaborations, research, consultancy and 100% placement.



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Conclusion

The strategic plan and execution is an endeavor to pave the road for Muffakham Jah College of Engineering and Technology, to attain the goals it aspires to achieve. Simply specifying the essential arrangement does not ensure a positive conclusion, but it does provide a directing structure, which an aggregate effort is delivered by the cycle of participatory brainstorming of stakeholders. Through a powerful cycle, the proper execution of initiatives through collaboration with great soul leads to achievement and manageability over a longer period of time. It requires ongoing evolution to integrate lessons learned during implementation and underlines the importance of IQAC in assuring implementation quality.



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