WELCOME

To

MUFFAKHAM JAH

COLLEGE OF ENGINEERING AND TECHNOLOGY

GOVERNING COUNCIL MEMBERS

Vision Plan presented in 2007

MJCET BLOCK 3

VISION PLAN FOR 3 YEARS

To Create the Brand Name 'MJCET' at State and National Level by imparting quality education, ensuring 100% placements while building institutional commitment in faculty and students.

MJCET BLOCK 3

MAJOR THRUST AREAS

(For Realization of the Vision)

❖ Faculty Development

❖ Research and Development

❖ Consultancy Services

❖ Placements

❖ Post-Graduate Courses

❖ Networking

❖ Human Resources

❖ Administration and Allied Areas

❖ Interaction with ALUMNI

MJCET BLOCK 3

FACULTY DEVELOPMENT

- Encourage participation in Refresher Courses organized by reputed institutions
- Organizing workshops and Refresher Courses under TEQIP of AICTE
- Encouragement for publishing books, research papers in reputed Journals
- Encouragement for participation in Conferences and Seminars
- Encouragement for Qualification Improvement (PG) and all possible help for pursuing Ph. D. programmes
- Organize visits to Industries and Research Institutes

MJCET BLOCK 3

4

RESEARCH AND DEVELOPMENT

- Strengthen the R & D Cell
- Encourage Faculty to do Research and apply for Research Grants
- Encourage Students towards innovative R&D works
- Approach AICTE, DST, MIT, TIFAC for funding if available without any restrictions
- Institute an award in the area of R & D

CONSULTANCY

- Establishment of a Consultancy Cell
- Identify prolific faculty for doing consultancy work and attach them to the cell
- Identify core areas from all departments for doing consultancy
- Encourage senior faculty members of each Department to take up consultancy works
- Organising workshops, training programmes to outsiders
- Project the institutional profile amongst corporate companies in order to attract good consultancy projects
- Explore possibility of collaboration with established consultancy centres

PLACEMENTS

- Energize the Placement Cell and Placement Committee
- Provide latest college brochures and upgrade the presentation materials
- Aim at 100% placement of eligible students in the short term (First Class without backlogs is the eligibility for placements)
- Aim at attaining 100% first classes with out backlogs in the long run
- Training Programmes to improve student's skill to perform well in Group Discussions and Oral Interviews
- Every student of M.J.C.E.T should leave the institutional portals with a job offer in hand

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POST-GRADUATE COURSES

- Ensure 100% admissions in the existing M.E. CAD/CAM course

- Make efforts to obtain permission for conversion of unfilled sponsored seats to general category

- Introduction of Post Graduate courses in ECE, EEE and Civil Engineering branches in a phased manner

MJCET BLOCK 3

NETWORKING WITH INSTITUTES AND INDUSTRY

- Networking with IITs and other major centres of learning and schools of excellence
- Improve Contacts with AICTE, DST, MIT etc.
- Interaction and resource sharing with Research Centres
- Invitation to eminent personalities for delivering guest lectures on regular basis
- Frequent and Fruitful interaction with the Industry for mutual benefits
- Establishment of Digital Library and sharing of resources with major libraries at National Level

MJCET BLOCK 3

HUMAN RESOURCES

Students

- Nourish the latent talents of the students and encourage them to Excel in Academic and Co-Curricular activities

Faculty

- Vigorous efforts to attract high profile faculty

- Brain storming session to identify reasons for high attrition rate

- Envisaging and implementing schemes aimed at faculty retention

MJCET BLOCK 3

7

ADMINISTRATION AND ALLIED AREAS

Administrative reforms to be synergized with the Vision plan to achieve results

- Streamlining of internal administration with accountability
- Reduction of unproductive internal paper work
- Computerization of all administrative functions
- Establish effective communication system
- Setting up of campus intranet facility
- Revamping of College Website
- Effective utilization of existing human resources

MJCET BLOCK 3

Interaction with ALUMNI

- **Networking with Alumni Entrepreneurs to improve placements**
- **Utilizing Alumni contacts for industrial training and visits for the students**
- **Student project works**
- **Inviting Alumni for delivering of technical talks to the students**

MJCET BLOCK 3

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MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

WELCOME

To

MUFFAKHAM JAH

COLLEGE OF ENGINEERING AND TECHNOLOGY

GOVERNING COUNCIL MEMBERS

September 25, 2010

MJCET BLOCK 3

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

VISION PLAN FOR 3 YEARS

(2007-2010)

To Create the Brand Name 'MJCET' at State and National Level by imparting quality education, ensuring 100% placements while building institutional commitment in faculty and students

MJCET BLOCK 3

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

MAJOR THRUST AREAS

(For Realization of the Vision)

- ❖ Faculty Development
- ❖ Research and Development
- ❖ Consultancy Services
- ❖ Placements
- ❖ Post-Graduate Courses
- ❖ Networking
- ❖ Human Resources
- ❖ Administration and Allied Areas
- ❖ Interaction with ALUMNI

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FACULTY DEVELOPMENT

- Sponsorship Scheme for faculty members publishing papers in Conferences / Seminars and Journals formulated.
- i. Maximum of Rs. 3000 for attending conferences/Seminars.
- ii. Maximum of Rs. 5000 for paper presentation in National Conferences/Seminars
- iii. Maximum of Rs. 10000 for papers published in International Journals and Conferences

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IMPACT

i. 49 faculty members deputed for International and National Conferences and Seminars during 2009-2010

ii. 15 Faculty members published papers in Journals in 2009-2010.

iii. 31 Faculty members published papers in Conferences in 2009-2010

- REIMBURSEMENT OF PROFESSIONAL CHAPTER MEMBERSHIP FEES

IMPACT

88 faculty members sponsored for Professional Body memberships in last 3 Years

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- Study Leave Scheme introduced to encourage faculty members to pursue PG and Ph. D. Programmes

i. Two Semester Study Leave on loss of pay for pursuing M.E. Programme

ii. One Semester Study Leave on Loss of Pay for Pursuing Ph. D. Programme from IITs and NITs

IMPACT

- 6 Faculty members obtained Ph. D., One M. Phil. and 3 M.E. degrees in 2009-2010

- 26 faculty members are pursuing M.E. and 32 Ph. D. course

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In the pipeline

- Efforts to continue for conducting conferences/seminars with financial assistance from AICTE , DST and other organizations

- More efforts to be made to organize visits to R & D centres and Industries

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RESEARCH AND DEVELOPMENT

- R & D and Consultancy Cell Established
- Guidelines formulated for undertaking Research work
- R & D Committee formulated with Doctorate Faculty
- R & D budget enhanced from Rs. 1 lakh to Rs. 5 lakhs

IMPACT

i. Six in-house R & D projects sanctioned during 2009-2010 with financial assistance amounting to Rs. 1.30 Lakhs

ii. AICTE sponsored project for Rs. 6 lakhs sanctioned to Dr. Seetaramaiah of MED
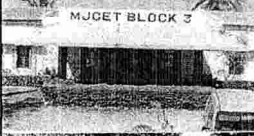
MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

iii. Efforts to encourage students to take up simple R & D projects successful. Atleast three student projects likely to be sanctioned during this year.

iv. Solar lighting system installed at two points in the campus. Students to study the technology and incorporate in their projects.

In the Pipeline …

i. R & D award proposal in final stages. Will be put up to the GC shortly.

ii. Efforts to continue for attracting more sponsored projects from AICTE, DST, MIT etc.

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CONSULTANCY

- R & D and Consultancy Cell Established
- Guidelines formulated for undertaking Consultancy work
- Consultancy Committee formulated with Senior Faculty as members
- Rolling budget of Rs. 1 Lakhs created to facilitate smooth working of the consultancy cell.

IMPACT

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- Training programme in the area of water supply and sewerage systems to be organized by Civil Engineering Department in December 2010

In the pipeline

- Efforts to continue for identifying core areas and encouraging consultancy in all Departments
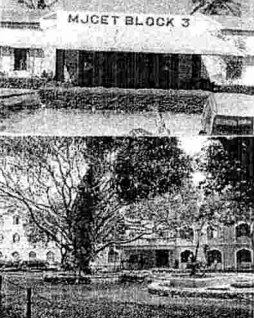
- Tie-ups with established consultancy centres to be taken up

- Efforts to be made to project the Institutional expertise amongst corporate houses

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PLACEMENTS

- Revamped the Placement Committee

- Involved Senior Faculty Members and HODs in the Placement Process

- Prepared a new brochure and presentation CD

- Training Programmes organized through the Alumni Association under Programme-66

- Increased efforts made to improve placements in view of industrial slow down

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IMPACT

Year	Eligible Students	Placements Achieved	Percentage Achieved
2009-2010	450	358	80
2008-2009	460	277	60
2007-2008	485	413	90
2006-2007	476	395	83

In the pipeline

- Efforts to continue to achieve 100 % placements
- More efforts to be made to improve results for achieving 100% first classes

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POST-GRADUATE COURSES

- 100% admissions in the CAD/CAM course achieved
- Conversion of unfilled sponsored seats to general category achieved
- Introduced M.E. courses in Civil Engineering, ECE and Computer Science and Engineering
- Separate PG library established

In the pipeline

PG courses in Electrical Engineering Department

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NETWORKING WITH INSTITUTES AND INDUSTRY

- Collaboration and MOU signed with ECIL and CITD

- Prof. P.N. Rao, former Professor of IITD identified for appointment as visiting professor.

- Prof. P.N. Rao delivered a guest lecture on Nano Technology

- Obtained expert lectures from IIT Madras/Bombay in 120 courses and installed the same on the server in the digital library

- Dr. Basheer Ahmed nominated as member of Research Council , CMERI, Durgapur

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MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

- Digital library established with 20 computers

- The library has networked with major libraries in the state and outside (IITs) to obtain resources which are not available locally

- Contacts improved with OU and SCRO of AICTE

In the pipeline...

- Efforts to continue to improve interaction and resource sharing with Major Industries and Research Centres

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

HUMAN RESOURCES

STUDENTS

Steps taken to nourish the latent talent of the Students

IMPACT

- Participate in prestigious competitions like SAE BAJA, Robotics Competitions etc since two years.
- Regular conduct of student technical events
- Rs. 1.5 lakh sanctioned for SAE BAJA
- Provision of Rs. 1.0 lakhs in the budget for inter-college robotics competitions
- Professional Student Chapters established in all Departments

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FACULTY

High profile professors appointed

- Dr. Kamala appointed as Professor in MED
- Dr. Srinivasan appointed as Professor in ECED
- Dr. Krishnan appointed as Professor in MED

Beginning made towards faculty retention

- Rs. 5000 per month sanctioned as allowance to Engineering Regular Faculty acquiring Ph. D.
- Rs. 2000 per month sanctioned as allowance to Non-Engineering Regular Faculty acquiring Ph. D.
- Timely promotions given as per AICTE norms to Ph. D. faculty through OU Selection Committee

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MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

ADMINISTRATION AND ALLIED AREAS

- College website revamped . It is being updated regularly.

- Communication System being modernized and made more effective

- SMS facility introduced

- Academic and Accounts Sections separated and streamlined

- Paper work simplified (Leave form redesigned, Requisition form and check list modified, No-dues certification simplified for outgoing students)

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- Introduced systematic procedure for certificate verifications

- Appointed Associate Heads for streamlining of administration and improving accountability

- Financial Figures

  The following are the financial figures from audited balance sheet:

Year	Receipts	Expenditure	Surplus	Deficit
2007-2008	11,15,75,350	9,27,93,338	1,87,82,011	
2008-2009	11,47,85,121	10,48,22,238	99,62,883	
2009-2010	12,07,88,319	12,28,86,809		20,98,490
After receipt of balance fees of 2009-2010, the surplus is Rs. 2,30,06,510				

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In the pipeline

- Further streamlining to be taken up in the future

- Intranet to be introduced shortly for inter-departmental communication

- Total computerization of office routine to be taken up

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Interaction with ALUMNI

- Placement Training arranged by Alumni Association for the IV year students

- Admission to PG courses at KFUPM arranged on campus through Alumni Networking

- Sponsoring of faculty workshops/seminars and Student Technical Festivals

- Alumni Association sponsoring Departmental Student events

- Alumni Association organized Congregation for B.E. and MCA students

- Published year book of outgoing students

- Commissioned Alumni Association Web site

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

VISION PLAN FOR NEXT 3 YEARS

(2010-2013)

To capitalize on the positive impact of past three years for strengthening of the Brand Name 'MJCET' at State and National and International Level through expansion with vigorous efforts towards quality education, improved faculty profile, foreign collaborations research, consultancy and 100% placements

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MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

MAJOR THRUST AREAS
(For Realization of the Vision)

- ❖ Faculty Development
- ❖ Research and Development
- ❖ Consultancy Services
- ❖ Placements
- ❖ Post-Graduate Courses
- ❖ Human Resources
- ❖ Administration and Allied Areas
- ❖ Infrastructure and Facilities Extension
- ❖ Holistic Goals

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FACULTY DEVELOPMENT

- Grant of three year study leave on loss of pay for pursuing Ph. D. in IITs and NITs

- Grant of two years sabbatical leave on loss of pay for Post Doctoral Research in Foreign Organizations and Institutions

- Reappointment of Engineering Faculty with Ph. D. degree as and when they re-apply

- Grant of Rs. 5000/- which is at present given for presentation of papers in conferences/ seminars to be extended for publishing of papers in Journals

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

RESEARCH AND DEVELOPMENT

- Student R & D projects to be encouraged (specifically M.E. dissertations)

- Best R & D project award to be constituted for faculty and students

- Research Centres to be established, starting with MED

- Faculty and Students to be encouraged to undertake patent-centric R & D work

- Specialized experimental facilities of the college to be made available to Research Scholars at reasonable charges

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CONSULTANCY

- More thrust on quality rather than quantity
- M.E. student participation in Consultancy projects to be encouraged and streamlined
- Encouragement for intellectual consultancy
- A new pattern of revenue sharing (20% college and 80% staff) for intellectual consultancy which does not utilize college infrastructure
- Encouragement to high profile faculty members to serve as experts on prestigious panels
- Consultancy income to be recycled for R & D and Consultancy cell development

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PLACEMENTS

- Academic partnership with major corporate companies in line with Wipro Model
- Improving the spread of clientele, specifically that of middle level companies
- Encouragement to Engineering Companies to rationalize the clientele profile
- Creation of publicity budget
- Extension of English Language Laboratory for 2nd and 3rd year students
- Ensuring 100% placements

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POST-GRADUATE COURSES

- Commencement of M.E. course in EEE and EIE
- Establishment of second PG course in each Department commencing with VLSI and Embedded System course under ECE Department

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HUMAN RESOURCES

STUDENTS

- Constitution of the following student awards:
i. Best Student Award
ii. Merit Award
iii. Best Project Award
iv. Regular Student Award
- Introduction of a continuous credit system to monitor the students achievements over four period
- In-house final year projects for B.E. students

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MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

FACULTY

- Implementation of incentive scheme for adhoc Engineering faculty acquiring Ph. D. Degree
- Golden Hand Shake Scheme for Senior Teaching and Non-Teaching Staff
- Retention Scheme for Ph. D. qualified Engineering Faculty through suitable pay package compensation in tune with the prevalent trends

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

ADMINISTRATION AND ALLIED AREAS

i. Security and Discipline

   As per the guideline adopted in the Principal's Meeting convened by Hon. Secretary on 23rd September, 2010

ii. ERP implementation

   Total computerization of administrative tasks of professional lines in the admission cell, academic cell, examination cell, Accounts Section, Placement Cell, Principal's office and Departmental Offices and Library through implementation of a suitable ERP package.

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INFRASTRUCTURE AND FACILITIES EXTENSION

General

i. Modernization of the class room by replacement of worn out furniture in a phased manner

ii. Equipping all class rooms with LCD projector facility

iii. Construction of a new building with 4 large drawing halls and other instructional and administrative areas

Library

i. Campus wide LAN from library server for easier access to the resources

ii. Issue of 5 books to students and 10 to faculty.

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iii. Introduction of RFID Technology for improved services and security

iv. Extension of library timing up to 8.00 P.M

v. Conducting of library literacy programmes

SPORTS

i. Creation of state of art infrastructure facilities for basket ball,footbal and indoor sports aimed at producing State and National Level Players

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HOLISTIC GOALS

i. **Expansion Plans**

Setting up of MJCET branches by taking over of existing Engineering Colleges

ii. **Exchange Programs**

Collaborations with reputed Foreign Universities for student and faculty exchange

iii. **Admission of Foreign Students**

Tie-ups with foreign countries to fill the 15% supernumerary quota of foreign students

iv. **College Ranking**

To improve college ranking at National Level in popular magazine surveys

v. **Accreditation**

Accreditation by relevant Statutory Bodies

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THANK YOU

WELCOME

To

MUFFAKHAM JAH

COLLEGE OF ENGINEERING AND TECHNOLOGY

GOVERNING COUNCIL MEMBERS

17th August,2013

ROAD MAP FOR NEXT 3 YEARS (2013-2016)

AIM:

Strengthening the Brand Name 'MJCET' at State, National and International Level through expansion with vigorous efforts towards Quality Education, improved Faculty Profile, Foreign Collaborations,Research,Consultancy and 100% Placements

MAJOR THRUST AREAS

(For Realization of the Road Map)

➢ Quality Education

➢ Faculty Development

➢ R&D and Consultancy Services

➢ Placements & Training

➢ UG,PG Courses & Research Centers

➢ Infrastructure & Facilities Extension

➢ Administration and Allied Areas

➢ Holistic Goals

QUALITY EDUCATION

- Recruitment of high Profile Faculty, Training of the existing Faculty and implement Faculty Performance Evaluation System with Awards/Actions

- Admission of Students on Merit basis.

- Meticulously follow the OU Almanac and conduct Tutorials, Seminars, Quiz's etc

- Ensure Pass % 100, Discipline and Regularity among students through Awards/Actions *(contd..)*

QUALITY EDUCATION
(*contd..*)

- Arrange Student Councilors for effective Student-Teacher-Parent Interface

- Prepare and support Top rank students in Each Branch to achieve University Top honors

- Encourage Student Festivals, Student Chapters, E-Cell ,Student Projects, Sports & Games

- Organize Industrial Visits, Training and Internship for students

FACULTY DEVELOPMENT

- Encourage Faculty to pursue Higher Qualifications, participate in Conferences, Workshops, Refresher Courses and publish papers in Conferences and Journals etc.

- Appointment of Professors with PhD and reappoint Ex-employees with PhD and hire Visiting Faculties from Foreign Universities and organize Expert Lectures & Seminars

- Grant of Study Leave for pursuing M.Tech in local Universities ,Ph. D. in IITs ,NITs and for Post Doctoral Research in Foreign Institutions.

- Arrange Faculty Training programmes for improving Teaching Skills , Attitudinal Corrections and Institutional Commitments.

R & D AND CONSULTANCY

- ➢ Faculty and Students to be encouraged to undertake Patent-Centric R & D work
- ➢ Encourage Faculty pursuing PhD and Students for ME Dissertations to take R&D projects for their Research work.
- ➢ Initiate 100kv Solar Power Project to reduce Power Consumption
- ➢ Encourage Staff and Students to apply for DST/AICTE Funded Projects.
- ➢ Encourage Intellectual Consultancy
- ➢ More thrust on Quality than Quantity
- ➢ Consultancy Income to be used for R & D ,Consultancy Cell Development

PLACEMENTS AND TRAINING

➢ Organizing Placement Training Programmes for 3rd and 4th Year Students

➢ Extension of English Language Laboratory for 2nd and 3rd Year Students

➢ Improving the spread of Clientele, specifically that of middle level companies

➢ Academic Partnership with major corporate companies in line with Wipro Model   (*contd..*)

PLACEMENTS AND TRAINING
(*contd..*)

- Strengthening of Placement and Training Cell

- Creation of Budget for Placements & Trainings

- Create Spacious Modern Placement Cell

- Ensuring 100% placements

UG, PG COURSES & RESEARCH CENTERS

- ➤ Enhance Intake of EEE from 60 to 120
- ➤ Plan for Petroleum Engineering Course
- ➤ Enhancing the Intake of existing PG Courses
- ➤ Establishment of second PG course in each Department based on demand.
- ➤ Plan for Research Centers in all Departments.
- ➤ Create separate Budget for Research Centers and try for TEQUIP Funds

INFRASTRUCTURE & FACILITIES

General

- Modernization of the existing Class Rooms with Audio-Visual aids
- Equip Labs with latest Computers, Software, Equipment, Internet Facilities, and set up Seminar Halls
- *Construction of a new building catering to all the Futuristic Plans of the Institution.*
- Creating Modern Hygienic Canteen
- Make Library most modern in all respects.
- Create new Website and update dynamically

Sports & Games

- Creation of State of Art Infrastructure facilities for Indoor & Outdoor Games and Sports aimed at producing State and National Level Players