



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

(An Autonomous Institute of Govt. of Maharashtra)

National Highway No.-6, JALGAON - 425002

Phone: 0257-2281522

Fax – 0257-2281319

Web.-<http://www.gcoej.ac.in>

E-Mail- princoej@rediffmail.com

No.GCOEJ/Est/2015/

Date :- 15/7/2015

PERSPECTIVE PLAN

INSTITUTIONAL PROGRAMS

UG Programmes				
Sr No	Name of Programme	Intake	Year of Establishment	NBA accreditation
1	Mechanical Engineering	60+3*	1996	To be recredited SAR submitted on 31/10/2013
2	Electronics and Telecomm. Engineering	60+3*	1996	
3	Instrumentation Engineering	60+3*	1996	
4	Electrical Engineering	60+3*	2007	--
5	Computer Engineering	60+3*	2007	--
6	Civil Engineering	60+3*	2010	NA
PG Programme				
1	Electronics and Telecomm. Engg (Digital Systems)	18	2010	NA

VISION

“Globally Accepted Engineers with Human Skills ”

MISSION

- To promote overall development of students by creating excellent learning environment.
- To develop undergraduate and postgraduate programmes through effective linkages with industry , academia and alumni.”
- To promote services to community and revenue generation for sustainable development

OBJECTIVES

- To achieve academic excellence through academic reforms.
- To offer need based UG/PG programs.
- To upgrade the curriculum content to pace with recent technical advancements.
- To implement effective and time bound examination system for proper evaluation.
- To establish suitable mechanism for proper liaison with stake holders.
- To make institutional administration more efficient and dynamic
- To establish a system for effective utilization of funds for sustainable growth of the institute.

SHORT TERM GOALS AND INDICATORS

- Progressive implementation of academic autonomy.
- To enhance placement through campus interviews.
- To organize continuing education program.
- To start research and additional PG program.
- To strengthen Industry Institute Interaction (III).
- To strengthen the existing laboratories by adding latest hi-tech equipments.
- To establish Sophisticated Analytical Instrumentation facility (SAIF).
- To strengthen in-house sports facilities.
- To enrich library facility towards the knowledge center.

LONG TERM GOALS AND INDICATORS

- To obtain full autonomy
- To make the institute, a center of excellence for technical education
- To develop R& D conducive environment by establishing additional research laboratories
- To impart need based training through state of art academic programs
- To strengthen Industry Institute Interaction (III) cell
- To enhance Internal Revenue Generation (IRG) and to promote services to community.
- To develop infrastructural facilities as per master plan

PROGRAMMES

0-2 Years		
Activity	Impediment	Method to deal
Academic reforms: Progressive implementation of Autonomy	Shortage of built up area and approval delays, Acute shortage of Faculty and Technical staff, Procedural delay in sanctioning posts, slow recruitment process, Higher faculty positions are vacant for long period, Less number of PhD faculty, Hurdles in Contractual appointments Slow procurement process due to centralized purchase at DTE and powers not delegated to Institute Only Academic Autonomy Vacant TPO post Insufficient library staff and funds Paucity of research Labs and sponsored projects	Seminar hall under TEQIP, Follow up with PWD, PPP Consistent follow-up at DTE and state Government Appointment of contractual and Visiting faculty Consistent follow-up at DTE and state Government for delegation of powers to Principal
NBA Accreditation and NACC Accreditation : to all the UG and PG courses		
Increase in intake: Mechanical 60 to 120		
New PG Programs: in IE(Control System), ME		
Seek NMU recognition to Research Laboratory: ME, E&Tc and CE		
New PG Programs: in EE, CSE and CE		
Seek NMU recognition to Research Laboratory: IE, EE and CSE		
Networking with other Institutions/Industries for UG/PG student projects		
E-learning Broadcasting		
Seek 12(B) certification from UGC, New Delhi		

2-5 Years		
Activity	Impediment	Method to deal
Academic reforms: Restructuring of curriculum	Shortage of built up area and approval delays, Acute shortage of Faculty and Technical staff, Procedural delay in sanctioning posts, slow recruitment process, Higher faculty positions are vacant for long period, Less number of PhD faculty, Hurdles in Contractual appointments Slow procurement process due to centralized purchase at DTE and powers not delegated to Institute Only Academic Autonomy Vacant TPO post Insufficient library staff and funds	Follow up with PWD, PPP Consistent follow-up at DTE and state Government Appointment of contractual and Visiting faculty Consistent follow-up at DTE and state Government for delegation of powers to Principal
New Program: PhD		
Obtain Continuation of Autonomous status		
NBA Accreditation: to CE NBA Re-accreditation NACC Re-accreditation		
Permanent Affiliation		
New UG Programs: in Chem Engg.		
New PG Program: in BME		
Increase in intake: ETC, EE and CE 60 to 120		
New PG Programs: in ETC, ME, IE and MCA		
Networking with other Institutions/Industries		
Non-AICTE STTC (6-12 month duration)		
Centre of Excellence: At least in 01 deptt.		

FACULTY DEVELOPMENT

0-2 Years		
Activity	Impediment	Method to deal
Recruiting all vacant faculty positions	Less built up area and approval delays Acute shortage of Faculty and Technical staff Slow procurement process due to centralized purchase at DTE Vacant TPO post	Salary hike to the contractual faculty Follow up at Government and DTE level QIP PhD admission of existing faculty Through various reputed training agencies
Faculty and Technical and administrative posts creation as per Autonomy requirement		
CAS promotions for faculty		
Implementation of Faculty Incentive Scheme		
Seed money allotment for research activities		
Subject area Trainings for faculty and Technical staff		
Pedagogical Trainings for faculty and Technical staff		
Management capacity Enhancement training		
Administrative staff, Technical staff and Non-technical staff: skill development program		
Faculty management capacity Enhancement training program at IIM, IIT, ISB etc.		

FACULTY DEVELOPMENT

2-5 Years		
Activity	Impediment	Method to deal
Recruitment of Professor Emeritus/Adjunct faculty	Less built up area and approval delays Acute shortage of Faculty and Technical staff Slow procurement process due to centralized purchase at DTE Vacant TPO post	Salary hike to the contractual faculty Follow up at Government and DTE level QIP PhD admission of existing faculty Through various reputed training agencies
Sanctioning of Faculty, Technical and administrative posts for additional programs		
Faculty , staff exchange program with Industry and Research organization		
Implementation of Faculty Incentive Scheme		
Seed money allotment for research activities		
Subject area Trainings for faculty and Technical staff		
Pedagogical Trainings for faculty and Technical staff		
Foreign Travel scheme for Technical visits of faculty		
Administrative staff, Technical staff and Non-technical staff: skill development program		
Faculty management capacity Enhancement training program at IIM, IIT, ISB etc.		

RESEARCH

0-2 Years		
Activity	Impediment	Method to deal
Establishment of basic R&D Laboratory	Scarcity of minimal required space of 170 cubic meter for proposed lab	Overcome this scarcity through constant persuasion by all practical means on DTE and State Government level.
R&D labs for new PG programs in IE, ME	Inadequacy of faculty with research specific vision	Get highly proven research personnel on consulting basis to motivate young faculty
R&D labs for ME, E&TC	Inadequacy of trained support staff at all functional levels	Get Industry assistance to develop professionally trained support man-power
	Paucity of funds to buy state-of-art equipments, design manuals , research journals , memberships and similar R&D resources	Inspire minds of students and staff by "Research on Researcher" approach
		Resort to abundantly available Government of India funding schemes , explore tie-ups with industries, societies and some foreign bodies

RESEARCH

2-5 Years		
Activity	Impediment	Method to deal
Visits to Industry and Government Research centres (Specifically for SE/TE Students Groups identified on scholastic and personal interaction level to work)	Inadequacy of faculty with research specific vision	Overcome this scarcity through constant persuasion by all practical means on DTE and State Government level.
Assigning and execution of local industrial problem to PILOT groups	Inadequacy of trained support staff at all functional levels	Get highly proven research personnel on consulting basis to motivate young faculty
R&D labs for new PG programs in EE, CSE and CE	Paucity of funds to buy state-of-art equipments, design manuals , research journals , memberships and similar R&D resources	Get Industry assistance to develop professionally trained support man-power
		Inspire minds of students and staff by "Research on Researcher" approach
		Resort to abundantly available Government of India funding schemes , explore tie-ups with industries, societies and some foreign bodies

INDUSTRY

2-5 Years		
Activity	Impediment	Method to deal
To increase Placement Activity. Current :10%, Up to June 2015:- 25% Up to June 2016:- 40%	Less number of company approaches. Less number of students are eligible	To approach many number of companies. Institute Image building through highlighting positive points.
To enhance employability of students Arrange four week training each year.	Lack of communication skills and technical skills in students. Less eligible students.	Arrange training sessions for improving technical and soft skills, Four week course Industrial visits and Expert lectures. Employability test.
To arrange Industry / alumni meet every year and involve them in development of institute. Industry meet Jan 2015, Jan 2016,	Less number of Industry experts and Alumni approach due to location.	Approach and connect to industry and alumni regularly. Arrange the Alumni meets in metro cities.
To sign MOU with leading industries and institutions:- Current MoU with industry/ institute :- 4/2,		July 2015:- 2/2 July 2016:_ 2/2
Strengthening BOS and Academic council by nominating Industry experts		

INDUSTRY

2-5 Years		
Activity	Impediment	Method to deal
To achieve 100% placement of all eligible students at the end of five years. 10% increase in placement each year.	Less number of company approaches. Less number of students are eligible	To approach many number of companies. Appoint full time T&P Officer.
To establish at least three Industry sponsored research laboratories.	Only one department have PG course. Fewer faculties with PhD. Higher positions are not filled.	To increase PG courses, PhD research centre, approach nearby industries for sponsorships.
To attracts industries for Scholarships and awards.- First batch after Autonomy will be pass out in June/ July2018		Industries will be approached.
To arrange Industry / alumni meet every year and involve them in development of institute.	Less number of Industry experts and Alumni approach due to location.	Strengthen the Alumni Association, Start Alumni-Connect via social media.Arrange Alumni Meet in metro cities. Involve alumni as a prime stakeholder.
To sign MOU with leading industries and institutions		Strengthen III cell, Increase Approach to industries
Joint projects under Corporate Social Responsibility		
Entrepreneurship cell and Incubation centre		


SOCIETY

0-2 Years		
Activity	Impediment	Method to deal
Technology transfer	Inadequacy of faculty and staff. Non-availability of trained and technical staff Less exposure of students towards community development	Identify the problems of the rural people, local organization. Training to student to participate in the community service program Training to faculty and staff to conduct need based CEP courses
Continuing Education Program		
Community Services Program (CSP)		
NSS and Counseling to local organization and public.		
Organizing Technical festivals with participation of Alumni and parents		
Consultancy to Industry		

SOCIETY

2-5 Years		
Activity	Impediment	Method to deal
Technology transfer	Inadequacy of faculty and staff. Non-availability of trained and technical staff Less exposure of students towards community development	Identify the problems of the rural people, local organization. Training to student to participate in the community service program Training to faculty and staff to conduct need based CEP courses
Continuing Education Program		
Community Services Program (CSP)		
NSS and Counseling to local organization and public.		
Organizing Technical festivals with participation of Alumni and parents		
Consultancy to Industry		
Adoption of Village		
Arranging exhibition for stakeholders and public		

This Perspective plan covers activity implementation in details. The approximate expenditure to be incurred will be worked out separately. The funds required for the implementation of the plan will be raised through various governments schemes like TEQIP, various proposals to AICTE/UGC/DST/DOE etc. and the fee income of the institute. It is also planned to take participation of industry through scheme like “**Corporate Social Responsibility (CSR)**” since institute has gained autonomous status from July 2014 from UGC and NMU, Jalgaon.


 (Dr. R. P. Borkar)
 Principal,

Government College of Engineering, Jalgaon