

**ALL INDIA COUNCIL FOR TECHNICAL
EDUCATION NORTH EAST QUALITY
IMPROVEMENT PROGRAMME
(AICTE-NEQIP)**

**Govt. Polytechnic, Imphal
[2013-14]**

PLAN FOR NEXT QUARTER

INSTITUTIONAL BASIC INFORMATION

Name of the Institution : GOVT. POLYTECHNIC,
IMPHAL.

• AICTE permanent ID no : 1 - 848846411

• Copy of AICTE

approval AICTE letter for
2013-14

: ANNEXURE

- Type of Institution : Polytechnic
- Category of Institution : Govt. Inst
- Status of Institution : Affiliated
to Manipur University
under Deptt. of Tech.
Edu.
- Name of Affiliating
State Deptt/Board/
University : Manipur University

- Full time Head of the Institute available : Yes

- Name & Designation of Head of the Institution : Principal

- Name of the full time appointment :
 - Regular
 - Contact
 - Deputation



- Academic Information :

- Diploma in Engineering offered in Academic year 2013-14.

- Total number of courses being
conducted by Institution: 5 (Five)

Strategic Plan for Institutional Development of Government Polytechnic, Imphal

- Main objective of Govt. Polytechnic, Imphal

1. Institutional Strengthening:

- Laboratories with
- Latest Equipment, Machineries.
- Modernised classroom (Smart boards).
- Digitalised library

2. Improvement in employability and learning outcomes of students:


- Improve convertibility.
- Increase 75% above students to 20%
- Increase placement package
- Academic support for SC/ST/OBC.

4. Faculty and staff development for improved competency :

- Increase consultancy activities
- Deputation / Organise seminars, conferences and presentation of research papers.
- Interaction with Industry

5. Institutional Reforms :

- Accreditation of eligible programmes.
- Faculty incentives
- Performance appraisal of staff and students.



- Expected results in terms of four key objectives of Institutional Development for Government Polytechnic, Imphal

- Institutional Strengthening.
- Improvement in Employability and learning out come
- Faculty and staff Development for improved competency
- Institutional Reforms.

- First Year – 35 %
Second Year – 35 % (Cumulative 70 %)
Third year – 30 % (Cumulative 100 %)
- The key four objectives of Institutional Development will directly focus on the strength and opportunities and try to overcome and convert the weakness and threats of Government Polytechnic, Imphal to its strength to get the expected result of the Institutional Development within 3(three)year and sustained further on. BOG and Institution Project Unit (IPU) constituted. Four corpus funds are on the next quarter.

Expected Results in terms of, “Institutional Strengthening and improvements in employability and learning outcomes ”.

(1) Modernization and strengthening of existing laboratories

1. Institutional Strengthening:

By modernisation of laboratory, various experiments which is required to be done in the curriculum for all the departments can be performed skill level of the students can be enhanced, like

- Software laboratory in Civil Engineering performing STAAD – Pro and STAAD – Foundation.
- Total Station in survey Lab which is in high demand in employability market.
- Students and outside Testing facility can be increased with Automated Compression Testing Machine – 500KN.
- Tri – Axial, Direct shear test and plate load testing and SPT testing in Soil Mechanics Lab.

- Digital Vicats apparatus in concrete Lab and Channel Flows in Hydraulic Lab.
- Soldering and de-Soldering Station, Linear IC Tester, Digital IC Tester, PLC Experimental Trainer, PLC and Freq. Convertor Trainer, EPABX Trainer with consol, Adv. Digital Commn. Training System, Baseband Digital Transmitter Kit, Data Conditioning & Modular Trainer, D.C. Regulated Power Supply, Network Trainer, Colour T.V Trainer (Omega), Advanced Fibber Optic Analogy Transmitter Trainer, Adv. Fibber Optics Digital Transceiver Trainer, Digital Fibber Optics Power Meter, Physics of Fiber Optics Trainer.

- Alternator , D.C motor – Alternator Set: D.C shunt motor 3KW, D.C motor – D.C Generator Set: D.C shunt motor 3KW, 230V, 1440 rpm, Shunt or compound Generator, Rectifier, D.C motor, D.C Generator, Transformer, Starter, Induction Motor, Relay, Variac, Current Transformer, Lamp, Tachometer, Bridge: different types, Earth Tester, 500V, 0.1 – 100ohm, Meter : (different ranges) Ammeter, Voltmeter, Wattmeter, Energy meter.
- Human Skeleton (articulated), Charts (Heed, brain, respiratory, Microscope G.B. Model, Permanent Slides, Sherrington Rotating drum & accessories, Tab letting Machine, Autoclave, Tablet Coating Machine, Dissolution rate apparatus, Friability rate apparatus, Analytical Balance, Dispensing Balance, Mortar & Pestle (Porcelains), Mortar & Pestle(Glass), Capsule filling Machine, Ointment filling Machine, Ball Mill, Glassware, Refrigerator, Suppository Mould, Disintegration Rate apparatus.

Modernization of classrooms:

Modernisation of Class-rooms through smart boards LCDS would hold greater attention of the students than mere lecturing. Smart Boards, Computers linked to central computer centre, LCD Projectors with screen, Guest lecturers or class lectures organized through V-SAT, Video Conferencing, Audio-Conferencing, Lights, Power connection & Connection Point and White Boards depending upon need and feasibility. According to the curriculum, the classrooms will be equipped effectively.

Updating of learning resources

- By equipment of learning resources with models according to the Syllabus and Curriculum, the Student will be Able to Visualise and Get first-hand knowledge of the different models of the Machines, equipments , tools, working process and different dynamics of Hydraulics, Fluids, Motors, Turbine, channel, foundation , Construction process, Pharmaceutical Charts ,Display and Models. This will be required for improvement in teaching, training and learning facilities of the Institute

Procurement of furniture

- By modernisation of existing laboratories, Establishment of new laboratories, Modernisation of libraries with new books, e-journal, Establishment of Departmental Computer Centres, Central Computer Centres, Modernisation of Classrooms and also Strengthening of Staff rooms will need Procurement of Furniture and it will help in effective implementation of the Institutional Development

Establishment / up gradation of Central and Departmental Computer Centres

- Purchase of the required Computers at one go will be avoided; it may be phased in three years to ensure that the latest systems are procured. Institutions would enter into Annual Maintenance Contracts after the expiry of warranty period for the computers and associated hardware procured under the Project. Wherever possible, replacement of computers/components by the suppliers/ manufacturers to ensure up gradation of the computers procured will be done. Students, Staff both teaching and Non- teaching and Subordinate and supporting Staff and also administrative Staff will be Exposed to Modern Software, Technique , information from Departmental Computer Centre and Central Computer Centre.

Modernization / improvements of supporting departments

- Modernisation and improvement of above supporting Departments - Physics, Chemistry, Mathematics, Humanities and Workshops Including Carpentry, Blacksmiths, Plumbing, foundry, Automobile. Etc. will be considered and included in the IDP so that their contribution is enhanced. The faculty belonging to these supporting Departments may also be extended benefits under Faculty Development limited to subject area training

Modernization and strengthening of libraries and increasing access to knowledge resources

- The institutions will become member of Indian National Digital Library in Engineering Sciences and Technology Consortium (INDEST-AICTE Consortium). Purchase of books will be through CDs.
- Even old books, which are available on CDs, will be located and purchased.
- There will be a CD Bank with proper identification and accessibility.
- The library could be reorganized with adequate computers and connectivity to hostels and Departments through Campus-wide Networking.
- Subscription to the latest e-Journals will be made.
- Conversion to Digital Libraries, which would occupy lesser space and make space available for other activities.

Civil works


- There will be well furnished, well built, well Lighted, well Furnished and modernised rooms in Class-room building and Old Boys and Girls Hostels which will help in improving the atmosphere of the Class-rooms and Hostels which in return will improve and enhanced the performance of the student and teachers and the Institute also.

Enhancement of R&D and institutional consultancy activities

Institutions will depute

- Doctoral programmes
- Masters programmes.

Institutions will market the services to the Industry.



The Industry should be encouraged to give live problems to the institution for solutions.

The faculty will be encouraged to take up consultancy assignments.

Care will be taken that consultancy services offered to Industry do not affect the teaching schedules and processes.


Institutions will develop a strategy for enabling faculty to secure consultancy assignments and to complete them timely and successfully.


Faculty and Staff development for improved competency

- Up gradation of qualifications,
- Improving competence in teaching-Pedagogies,
- Development of modern learning resources and teaching aids new techniques in research,
- Improving competence in research and consultancy
- Deputation to seminars, conferences and presentation of research papers in India and abroad
- Interaction with peer groups within India
- Establishing linkages with academic and research institutions and Industry.
- Management of Industry interactions
- Student counselling
- Student performance evaluation
- Continuing Education (CE) Programme

Enhanced interaction with Industry

- Facilitate Guest Lectures,
- Interactive workshops,
- Conferences
- Seminars,
- Brain Storming Sessions,
- Technical Discussions with Members of the Industry, outside Experts, eminent personalities.
- Conduct Industrial Training,
- Orientation Courses,

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- Industrial Visits faculty and students.
 - Facilitate joint research work,
 - Consultancy involving faculty and students.
 - Conduct industrial exhibitions to highlight research facilities and expertise available with the institution.
 - Facilitate professionals from Industry to work as visiting faculty in institutions
 - Short or long period's deployment of faculty from institutions to Industry for gaining industrial experience and work on projects in Industry.

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- Seek and associate Experts from Industry in Curriculum improvement
 - Review and Identify Continuing Education opportunities, Short-term programmes and training needs of the Industry, which the institution can provide.
 - Lab Testing,
 - Caliberation,
 - Consultancy and R&D

Institutional management capacity enhancement

- Improving Managerial and Administrative abilities of Heads of Institutions
- Improving Abilities of Deans, Heads of Departments, senior faculty and officials through designed training programmes
- Effective implementation of reforms,
- Improve development,
- Improve planning
- Improve implementation,
- Improve monitoring.

Academic supports for weak, SC&ST Students

- Support for improving the academic performance of SC /ST/OBC.
- To Increase the transition rate and pass rate with the objective of improving their employability.
- To increase the quality of placement.

Finishing School training

- Student will have added knowledge
- Soft skills,
- Capacity Enhancement,
- E-learning,
- Placements Skills.