



MAHATMA EDUCATION SOCIETY'S
**PILLAI INSTITUTE OF INFORMATION TECHNOLOGY,
ENGINEERING, MEDIA STUDIES & RESEARCH**

*Approved by AICTE, DTE, Government of Maharashtra and Affiliated to University of Mumbai
(Accredited by National Board of Accreditation)*

Perspective Plan 2014-2019

Successes and Challenges of perspective plan 2009-2014

Academic and Accreditation

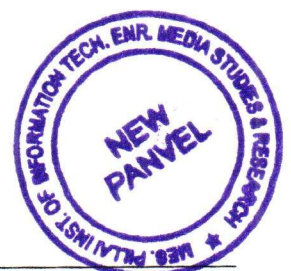
- In year 2013 University has issued Permanent affiliation to 4 accredited programmes
- In 2014 applied for NBA re-accreditation of 3 UG programmes i.e. in Comp, Mech and ETRX and got accredited in 2015 for a period of 3 years
- In year 2014 UGC has issued its recognition under section 12f and 2B
- Started 2 more PG courses in Comp and ETRX

Administrative Automation

- Purchased CampusCare software as ERP solution for fee collection
- Developed in house software for student attendance management
- Signed agreement with Google Ireland Pvt Ltd to integrate Google Apps for Education giving free email, calendar etc to students.

PIIT Faculty and Student Handbooks

- For the first time handbooks have been prepared for reference about service rules, various policies and procedures for the institute.





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Research

- Appointed Dr PS Goyal as Dean R&D and constituted R&D Committee
- Applied for research grants to AICTE, DST and received few grants. A few consultancy grants are also included. Summary is below

Year Plan Wise	Grants Received from External Agencies in lakhs
2000-2004	0
2004-2009	26.27
2009-2014	90.74

Training and Placement

- Signed an MOU with Infosys for campus connect programme, IIT Bombay as a remote center for faculty and student development
- Placement as improved from less than 20% in 2009 to over 40% in 2014

Faculty Development

- Started IIT Bombay as a remote center for faculty development
- IEPC training for faculty

Student Development

- 2012 the student alumni society was constituted and registered at Alibag.
- First year results have gradually improved from less than 25% in the 2009 to over 60% in 2014. The average for the University of Mumbai is around 50%



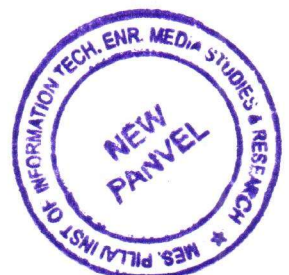


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Challenges from past five years

- Substantial progress has been made in the research arena by PIIT faculty, however more must be done to ensure that the research production of the institute increases. Faculty should be encouraged to publish papers in quality journals. Currently the institute lacks any focus areas where facilities can be created and faculty expertise can be developed. More number of PhD faculty will significantly contribute to the growth of research within PIIT.
- Placement has increased to over 40% for the institute however it is desirable to have more than 60% students placed in companies and the remaining going for higher education or entrepreneurship. Currently little support system exists for students wishing to pursue avenues other than placement in companies. In addition, there is no mechanism to provide individualized mentorship to students from the faculty.
- PIIT has purchased an ERP software called CampusCare that has many functionalities such as admissions, course management etc. However, currently only the fee payment module is used and the other modules are not utilized. It also does not integrate with the Google Apps suite of the institute. Many of the issues pertain to the fact that the features of the software are not compatible with the requirements of the University of Mumbai. Especially since CGBS pattern has been introduced. It has therefore become necessary to have a better software more customized to PIIT needs.
- In 2012, PIIT adopted outcome based education. Faculty members were briefed about it when introduced and it was implemented. There is still much to be done as far as OBE is concerned as thorough implementation of outcome based education is lacking. In addition, there are many aspects of the University paper pattern that are not conducive to practical knowledge for students. It is therefore important that more practical projects be given to students to supplement the coursework

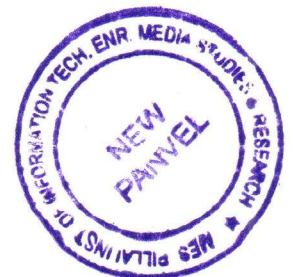




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- Our students and alumni have also suggested that the name PIIT does not fully give a flavor of what the institute does. Since we have numerous courses in the non-IT area it has been suggested that the institute change its name to Pillai College of Engineering to keep a consistent branding and to avoid confusion in the future.
- Many of our students would like to compete in state, national and international level competitions. However, they lack funds and mentorship in order to proceed further. In order to encourage students to compete and win in such competitions more support from the institute is required





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Perspective Plan 2014-2019

Goal 1: Improve research and consultancy for PIIT

- Setup various hubs or center of excellence for research based on collections of faculty expertise
- Setup faculty schemes where some funds can be given to faculty for research, conference travel, specialized training, upgradation of qualification etc.
- Purchase instruments, software licenses and equipment that may be needed for these centers
- Reach out to industries and sign up for strategic MOUs with them that involve research and knowledge sharing
- Organize conferences, colloquiums, seminars on selected topics of interest. Attract faculty and researchers from other prestigious institutes to present in them.

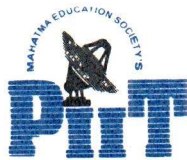
Goal 2: Change of Name of PIIT to Pillai College of Engineering

- Put up change of name approval in front of BoG
- Get approvals from University of Mumbai and Government of Maharashtra for change of name
- Get approval from AICTE for change of name

Goal 3: Start PhD center at PIIT

- PIIT has several PhD faculty in the fields of Mechanical Engineering as well Computer Engineering as well as NBA accredited departments
- Get approval for these faculty as PhD guides in the University of Mumbai
- Therefore the Institute may immediately apply for a PhD center in those subjects to the University of Mumbai





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Goal 4: Increase levels of administrative automation at PIIT.

- Develop in house ERP software for PIIT for course management, examinations, admissions, railway concessions for ease of administration
- Increase server space to accommodate large databases for the above activities

Goal 5: Improve implementation of Outcome Based Education

- OBE should be part of the routine academic work of the institute and must be included in the academic calendar
- More OBE workshops should be organized to further sensitize faculty on OBE

Goal 6: Improve levels of attainment of student higher educational and placement goals

- Conduct workshops and trainings for aptitude tests
- Give students support for GATE, GRE etc
- Encourage more students to take up online courses through MOOCs
- Develop in house facility to record faculty lectures
- Encourage faculty to conduct trainings and workshops on industry relevant subjects
- Partner with external skill development (both technical and soft) trainers to conduct add on courses on campus
- Introduce project based learning approach for students to enhance practical knowledge of students





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Goal 7: Promote entrepreneurial spirit at PIIT

- Have regular competitions among students internally within the institute
- Establish an institute E-cell that coordinates with other E-cells of MES
- Organize seminars and workshops on IPR and patenting, basics of business,
- Organize and encourage participation in various Business Plan Competitions
- Setup a space on campus where student entrepreneurs can meet and develop their ideas

Goal 8: Improved engagement of PIIT alumni with the institute

- More frequent alumni activities to be organized
- Encourage passed out alumni to come back and conduct seminars and workshops for current students
- Increase social media presence of PIIT on facebook, linkedin and twitter

Goal 9: Increased support for student extracurricular activities

- Request a budget for student activities that can be used to sponsor students for various external competitions
- Give students space on campus where they can work and develop their projects
- Establish a maker space/project lab where students can fabricate various items.

