

**SELF ASSESSMENT REPORT (SAR)
TIER - II UG Engineering Programs
First Time Accreditation
(From 1st June, 2015)**

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Principal

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PART A: Institutional Information

1. Name and Address of the Institution:
2. Name and Address of the Affiliating University:
3. Year of establishment of the Institution:
4. Type of the Institution:

University Deemed

University Government

Aided Autonomous

Affiliated

PART A: Institutional Information

5. Ownership Status:

Central Government

State Government

Government Aided

Self financing

Trust

Society

Section 25 Company

Any Other (Please specify)

Provide Details:

6. Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of the Institution(s)	Year of Establishment	Programs of Study	Location

* **Note:** Add rows as needed

7. Details of all the programs being offered by the institution under consideration:

S.No.	Program Name	Year of Start	Intake	Increase in intake, if any	Year of increase	AICTE Approval	Accreditation Status*

Note: Add rows as needed

7. Details of all the programs being offered by the institution under consideration

S.N.	Program Name	Year of start	Intake	Increase in Intake if any	Year of Increase	AICTE Approval	Accreditation status
1	Civil	1954	60	NA	NA	Yes	Applying first time
2	Mechanical	1960	60	NA	NA	Yes	Applying first time
3	Electrical	1960	60	NA	NA	Yes	Applying first time
4	ECE	2001	40	NA	NA	Yes	Applying first time
5	IT	2001	40	NA	NA	Yes	Applying first time
6	LT	1986	15	NA	NA	Yes	Applying first time
6	Pharmacy	1978	15	NA	NA	Yes	Eligible but not applied
7	Thermal Engineering	2017	18	NA	NA	Yes	Not Eligible
7	Machine Design	2017	18	NA	NA	Yes	Not Eligible

8. Programs to be considered for Accreditation vide this application:

S. No.	Program Name
1	
2	
N	

9.Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items		CAY		CAYm1		CAYm2	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering	M						
	F						
Faculty in Maths, Science & Humanities	M						
	F						
Non-teaching staff	M						
	F						

* Means –

- Full time on roll with prescribed pay scale. An employee on contract for a period of more than two years AND drawing consolidated salary equal or higher than applicable gross salary shall only be counted as a regular employee
- Prescribed pay scales means pay scales notified by the AICTE/Central Government and implementation as prescribed by the State Government. In case State Government prescribes lesser consolidated salary for a particular cadre then same will be considered as reference while counting faculty as a regular faculty

9.Total number of employees in the institution: A. Regular* Employees (Faculty and Staff):
 (Minimum 75% should be Regular/Full Time faculty and the remaining shall be Contractual)
 Faculty as per AICTE norms and standards)

Items		2013-14		2012-13		2011-12		2010-11	
		Min	Max	Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	70	71	71	72	71	71	69	71
	F	16	16	16	17	16	17	14	17
Faculty in science & Humanities	M	03	03	03	03	03	04	03	04
	F	06	06	06	06	06	06	05	06
Non-teaching staff	M	111	112	140	140	138	140	130	138
	F	16	17	15	16	15	16	15	15

CAY: Current Assessment Year

CAYm1: Current Assessment Year minus 1

CAYm2: Current Assessment Year minus 2

B. Contractual Staff Employees (Faculty and Staff): (Not covered in Table A):

Items		CAY		CAYm1		CAYm2	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering	M						
Faculty in Maths, Science & Humanities	F						
Non-teaching staff	M						
	F						

Contractual Staff:
 (The contractual faculty who have taught for 2 consecutive semesters in the corresponding academic year on full time)

Items		2013-14		2012-13		2011-12		2010-11	
		Min	Max	Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	51	52	31	34	30	34	22	30
	F	35	35	32	35	31	35	06	06
Faculty in science & humanities	M	03	06	06	06	06	06	06	06
						09	10		
	F	06	06	10	10			05	05
Non-teaching Staff	M	88	88	60	60	57	60	10	10
	F	28	29	14	14	14	14	05	05

10. Total number of Engineering Students:

CAY: Current Assessment Year, CAYm1: Current Assessment Year minus 1

CAYm2: Current Assessment Year minus 2

(separately for undergraduate, postgraduate Program)

Year	CAY	CAYm1	CAYm2	CAYm3
Total no. of boys	546	537	520	530
Total no. of girls	131	140	157	147
Total no. of students	677	677	677	677

11. Vision of the Institution:

12. Mission of the Institution:

- **Vision** (*Typically indicates aspirations*)
 - ✓ To serve the nation and society by providing skilled and well developed human resource through excellence in technical education and research
- **Mission** (*Broad approach to achieve aspirations*)
 - ✓ To provide state-of-the-art undergraduate and postgraduate programs to bright students for overall development.
 - ✓ To promote leadership and professionalism among the students and faculty by providing right ambience.
 - ✓ To encourage the innovation and research by undertaking project and developmental activities with industries, institutions and government.

13. Contact Information of the Head of the Institution and NBA coordinator, if designated:

i Name: Dr. J.N.Jha

Designation: Principal

Mobile No:9872843371

Email id: principal@mitmuzaffarpur.org, jagadanand@gmail.com

ii. NBA coordinator, if designated:

Name: Dr. Akash Priyadarshee

Designation: Assistant Professor (Civil Engg. Deptt.)

Mobile No:9914353124

Email id:akashpriyyadarshee1@gmail.com

PART B - CRITERIA SUMMARY

Criteria No.	Criteria	Weightage /Marks
Programme level Criteria		
1.	Vision, Mission and Program Educational Objectives	60
2.	Program Curriculum and Teaching – Learning Processes	120
3.	Course Outcomes and Program Outcomes	120
4.	Students' Performance	150
5.	Faculty Information and Contributions	200
6.	Facilities and Technical Support	80
7.	Continuous Improvement	50
Institute Level Criteria		
8.	First Year Academics	50
9.	Student Support Systems	50
10.	Governance, Institutional Support and Financial Resources	120

Criteria-1: Vision, Mission and Program Educational Objectives(60)

- **1.1. State the Vision and Mission of the Department and Institute (5)**

- ✓ Availability (1) + Appropriateness (2) + Consistency (2)

- **1.2. State the Program Educational Objectives (PEOs) (5)**

- ✓ Availability & Correctness (3to 5)

- **1.3. Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)**

- ✓ Adequacy (2) + Process (2) + Extent of Awareness (6)

- **1.4. State the process for defining the Vision and Mission of the Department, and PEOs of the program (25)**

- ✓ Vision and Mission process (10) + PEOs process (15)

- **1.5. Establish consistency of PEOs with Mission of the Department (15)**

- Matrix Préparation (5) + Consistency /Justification (10)

Vision and Mission

- Vision is a **futuristic statement** that the institution / department would like to achieve over a long period of time.
- Mission statements are essentially the **means to achieve the vision (action statement)**.
- Vision statement typically **indicates aspirations** and Mission statement states the broad **approach to achieve aspirations**.
- Institute Vision and Mission statements to ensure consistency with the department Vision and Mission statements .
- **Publish and Disseminate among the stakeholders.**

1.1. State the Vision and Mission of the Department and Institute (5)

Availability (1) + Appropriateness (2) + Consistency (2)

Institute (MIT)	Department (Civil Engg. Deptt.)
Vision (Typically indicates aspirations)	Vision (Typically indicates aspirations)
<ul style="list-style-type: none">• To serve the nation and society by providing skilled and well developed human resource through excellence in technical education and research	<ul style="list-style-type: none">• To get recognized as prestigious civil engineering program at national and international level through continuous education, research and innovation
Mission (Broad approach to achieve aspirations)	Mission (Broad approach to achieve aspirations)
<ul style="list-style-type: none">✓ To provide state-of-the-art undergraduate and postgraduate programs to bright students for overall development.✓ To promote leadership and professionalism among the students and faculty by providing right ambience.✓ To encourage the innovation and research by undertaking project and developmental activities with industries, institutions and government.	<ul style="list-style-type: none">✓ To create the environment for innovative and smart ideas for generation of professionals to serve the nation and world with latest technologies in Civil Engineering.✓ To develop intellectual professionals with skill for work in industry, academia and public sector organizations and entrepreneur with their technical capabilities to succeed in their fields.✓ To build up competitiveness, leadership, moral, ethical and managerial skill.

1.2. State the Program Educational Objectives (PEOs) (5)- Availability & Correctness (3to 5)

- **Indicative: (Five broad categories)**

- ✓ Preparation (Employment/Higher studies),

- ✓ Core competence(Discipline knowledge)

- ✓ Breadth

- ✓ Professionalism

- ✓ Life long learning(Environment)

- ❖ **Program Education Objectives (PEO):**Preparing the graduates to attain career and professional accomplishments within a few year (3-5 years) of graduation

Program Education Objectives (PEO)- Civil Engineering Department

- ✓ 1. To train the students so that they can work and contribute to the infrastructure development projects being undertaken by Govt. and private or any other sector companies.
- ✓ 2. To train students in such as a way that they can pursue higher studies so that they can contribute to the teaching profession/ research and development of civil engineering and other allied fields.
- ✓ 3. To train students in a manner that they should function effectively in the multicultural and multidisciplinary groups for the sustainable development and growth of civil engineering projects and profession.

1.3. Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

- Describe where (websites, curricula, posters etc.) the Vision, Mission and PEOs are published
- Detail the process which ensures awareness among internal and external stakeholders
- Effective process implementation
- Internal stakeholders may include Management, Governing Board Members, faculty, support staff, students etc.
- External stakeholders may include employers, industry, alumni, funding agencies etc.

Adequacy (2) + Process (2) + Extent of Awareness (6)

- Availability on Institute website under relevant program link
- Availability at department notice boards
- HoD Chamber
- Department website, if available
- Availability in department level documents
- Documentary evidence

1.3. Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10):

Adequacy (2) + Process (2) + Extent of Awareness (6)- (*Committee at Institute and Department level*)

- ✓ Department website, Students/Faculty login ID, HOD' office/Class room/Laboratories, Notice boards
- ✓ Dissemination to all stakeholders of programs through
 - Faculty meetings,
 - Student awareness workshops,
 - Student induction programs,
 - Alumni meet,
 - Placement drives,
 - Industry-institute interaction

1.4. State the process for defining the Vision and Mission of the Department, and PEOs of the program (25)

- Articulate the process for defining the Vision and Mission of the department and PEOs of the program

Vision and Mission process (10) + PEOs process (15)

Process to ensure:

- Effective participation of Stakeholders
- Effective Process implementation

Documentary evidence

Vision and Mission statement development process may include following steps:

- **Formulation of Committee at Institute-department level**

- **Step I – Brainstorming**

 - ✓ 1st level - Promoters, Administrators, Faculty

 - ✓ 2nd level – Current students

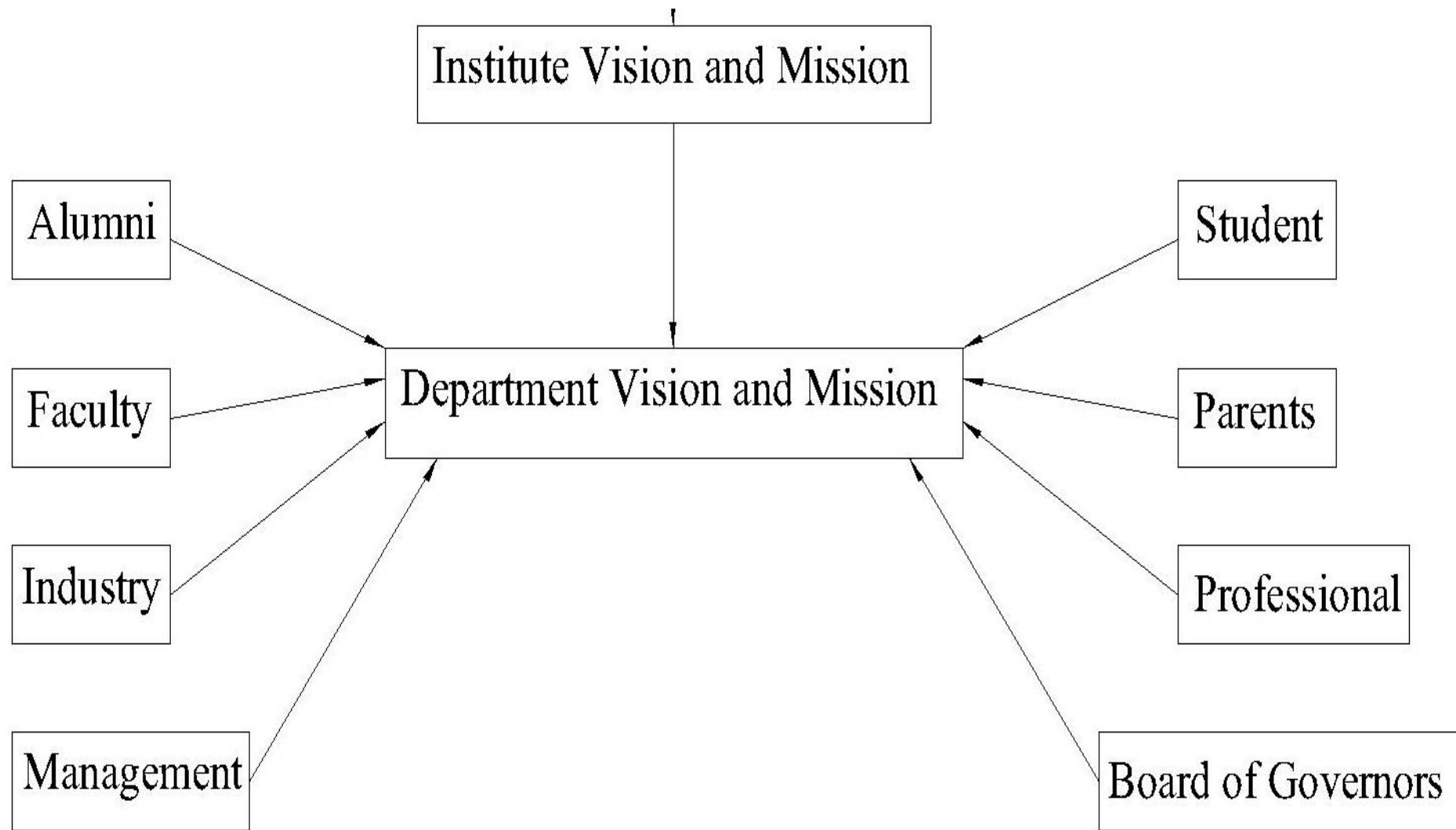
 - ✓ 3rd level – Employer, Alumni, Industry Experts

- **Step II – Benchmarking with the similar category Institutions:
Understanding Vision and Mission**

- **Step III – Validation by the experts from academia and industry**

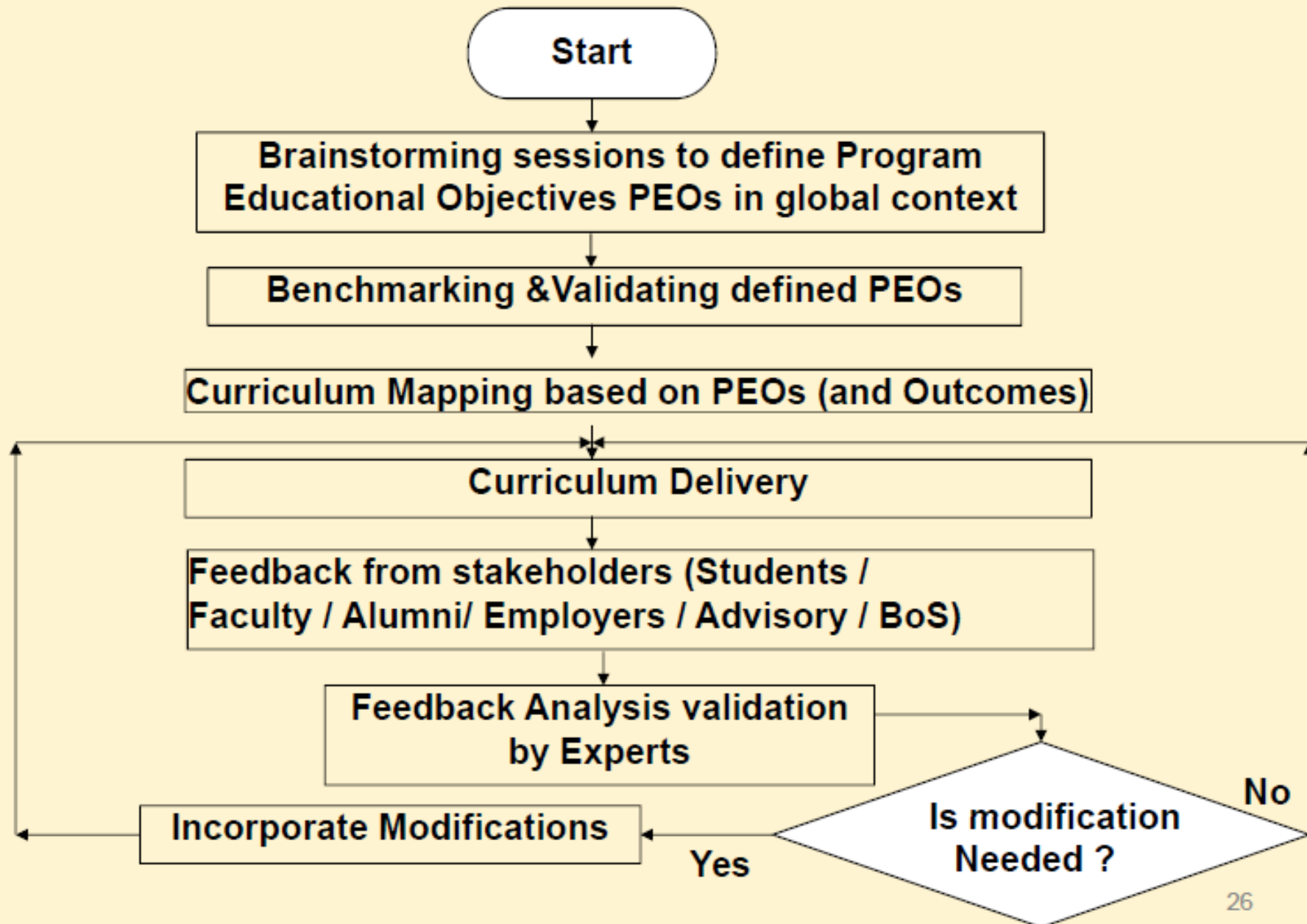
- **Step IV – Wide publicity in the Institution**

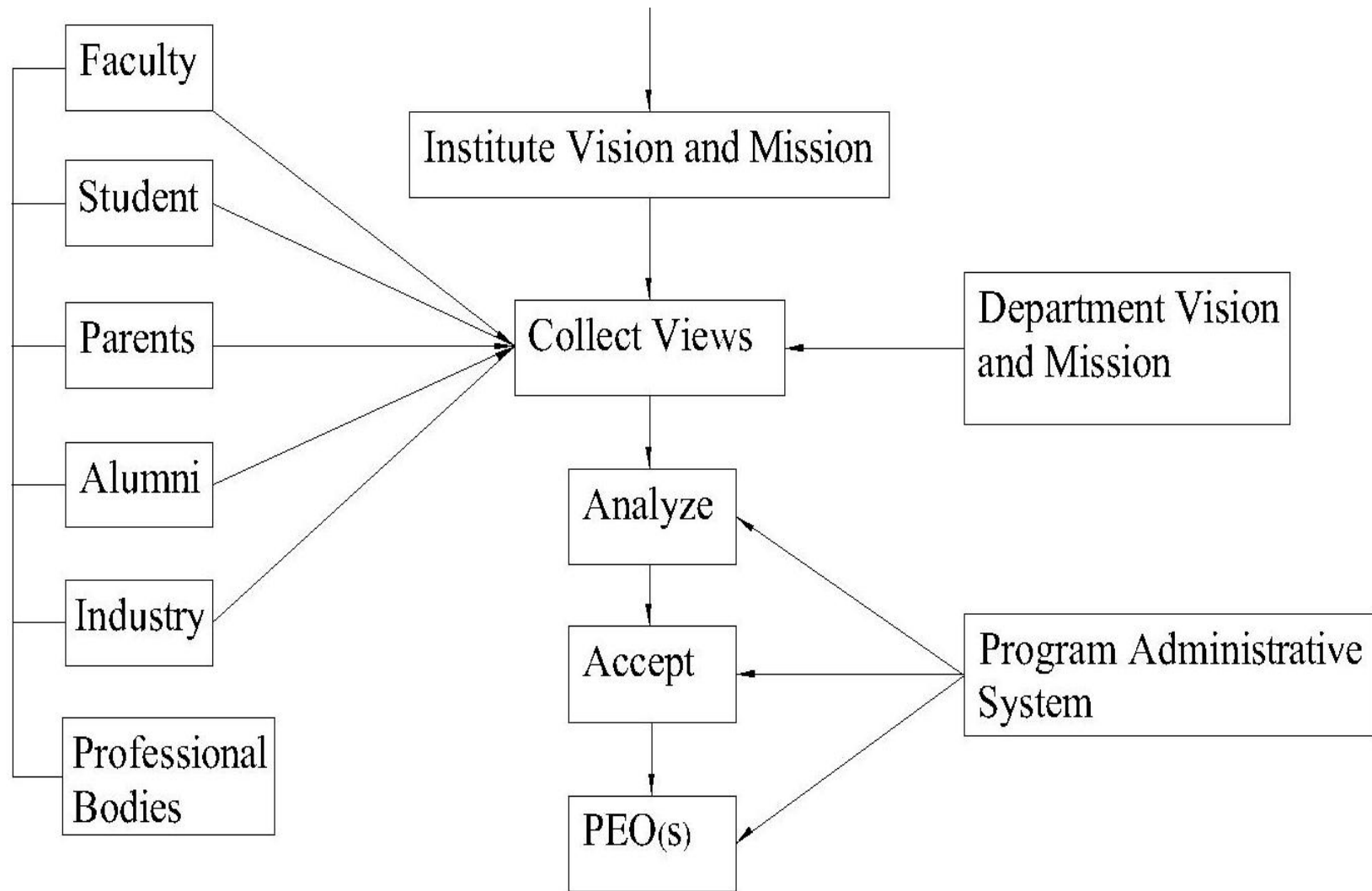
- **Step V –Review in closed loop every 5-7 years**



Flow Chart of Defining Vision and Mission of the Department

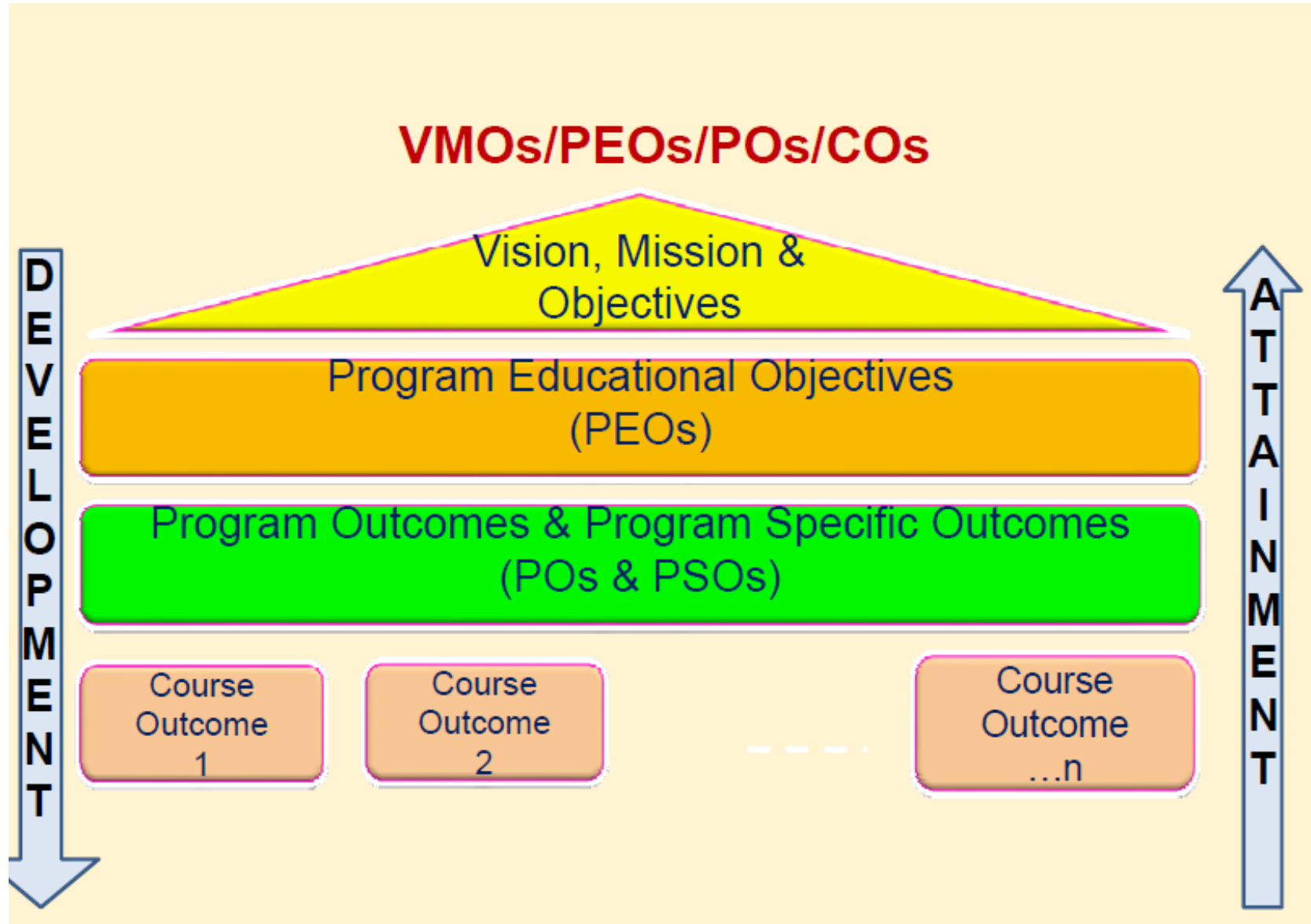
PEOs Creation & Validation Process



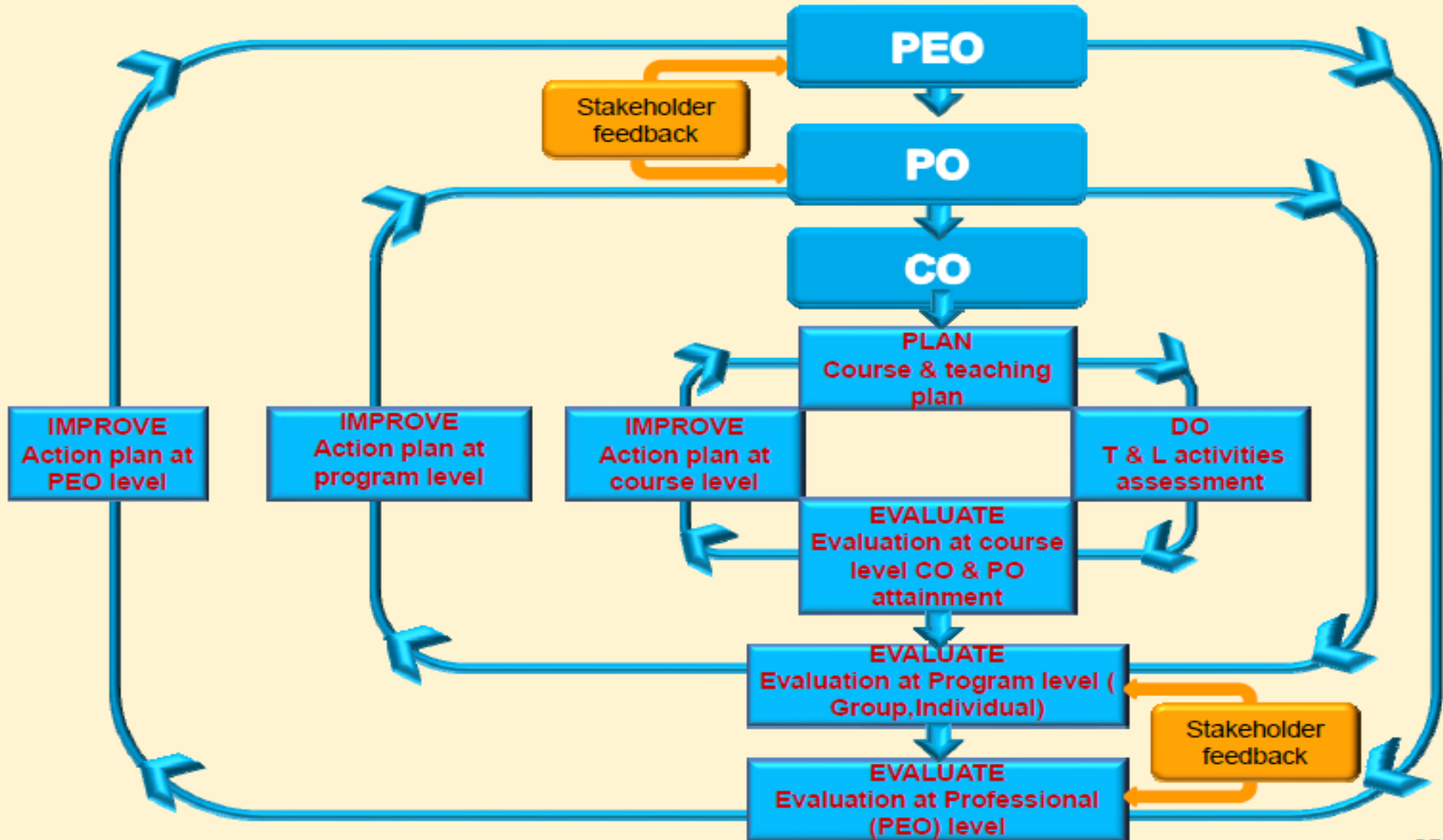


Flow Chart of Defining Program Education Objectives (PEO) of the Department

1.4. State the process for defining the Vision and Mission of the Department, and PEOs of the program (25)



Process Cycles



1.5. Establish consistency of PEOs with Mission of the Department (15)-

Matrix Préparation (5) + Consistency / Justification (10)

(Generate a “Mission of the Department – PEOs matrix” with justification and rationale of the mapping)

- M1, M2, . . . Mn are distinct elements of Mission statement.
- Enter correlation levels 1, 2 or 3 defined as: 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

PEO Statements	M1	M2	...	Mn
PEO1:				
PEO2:				
PEO3:				

1.5. Establish consistency of PEOs with Mission of the Department (15) : Matrix Préparation (5) + Consistency /Justification (10)- Example

- **Program Education Objectives (PEO)- Civil Engineering Department**

- ✓ 1. To train the students so that they can work and contribute to the infrastructure development projects being undertaken by Govt. and private or any other sector companies.
- ✓ 2. To train students in such as a way that they can pursue higher studies so that they can contribute to the teaching profession/ research and development of civil engineering and other allied fields.
- ✓ 3. To train students in a manner that they should function effectively in the multicultural and multidisciplinary groups for the sustainable development and growth of civil engineering projects and profession

- **Mission Statements**

- ✓ To create the environment for innovative and smart ideas for generation of professionals to serve the nation and world with latest technologies in Civil Engineering.
- ✓ To develop intellectual professionals with skill for work in industry, academia and public sector organizations and entrepreneur with their technical capabilities to succeed in their fields.
- ✓ To build up competitiveness, leadership, moral, ethical and managerial skill.

Matrix Préparation (5) + Consistency /Justification (10)-

Example 1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

PEO	Mission of the Department		
	I	II	III
1	M	H	L
2	H	H	M
3	M	M	H

PEOs and Mission Statement mapping - justification:

Mapping	Justification
PEO1 with M1 and Mn	
PEO2 with M2	
PEOn with M3 & M4	

Mapping and justification of PEOs and Mission Statement of Civil Engg. Deptt.

Mapping and Justification			
Mission	PEO1	PEO2	PEO3
To create the environment for innovative and smart ideas for generation of professionals to serve the nation and world with latest technologies in Civil Engineering.	Work for the development of Infrastructure for Govt. /Private sector	Contribute to the research and development of civil engineering	
To develop intellectual professionals with skill for work in industry, academia and public sector organizations and entrepreneur with their technical capabilities to succeed in their fields	Work for the development of Infrastructure for Govt. /Private sector	Pursue higher studies so that can contribute to the teaching profession	Function effectively in the multicultural and multidisciplinary groups for the civil engineering projects and profession
To build up competitiveness, leadership, moral, ethical and managerial skill.	Work for the development of Infrastructure for Govt. /Private sector		Function effectively in the multicultural and multidisciplinary groups for the civil engineering projects and profession

Query/question, if any,Please

Acknowledgement

All the known or unknown sources used during making the presentation are duly acknowledged, without the use of their data/information, the presentation would not have been so informative.

Thank you
for
listening!



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