



Government of Maharashtra
GOVERNMENT POLYTECHNIC, PUNE
(An Autonomous Institute of Government of Maharashtra)
University Road, Shivaji Nagar, Pune - 411016



Phone: 020-25676818, 25559200

Email: principal.gppune@demaharashtra.gov.in

About Curriculum Development Cell

Government Polytechnic, Pune is a well-known institute located in Maharashtra's second largest industrial town, Pune, which is on international map for automobile, ancillaries and engine manufacturing and IT industries. Government Polytechnic, Pune is started in the year 1957 in Pune region of Maharashtra. Institute academic autonomy has been given by the Government of Maharashtra since 1994.

Under the autonomous status, the institute is entrusted with the responsibility of designing, developing, implementing, and evaluating its curricula. In this context, the Curriculum Development Cell (CDC), after identifying the needs of industries through search conferences, frames curricula for various programs with the help of experts from industries and academicians. Implementation of curricula is done by various programs, in collaboration with industries. Feedback on the implementation of curricula is obtained from various sources and accordingly review of the curriculum is taken to keep pace with the changing technology. This Institute is also selected for TEQIP (Technical Education Quality Improvement Programme) in 2005.

Methodology for Curriculum Revision

Government Polytechnic Pune has been offering three three-year Diploma Programme in Engineering since 1957. Subsequently, under the World Bank Project this institute was awarded the status of an autonomous institute of the Government of Maharashtra. There onwards Government Polytechnic Pune is holding the responsibility of designing and revising its curriculum. The first curriculum was implemented in 1994 under academic autonomy. It was subsequently revised and implemented in 1999, 2004, 2009, 2014, and 2019, with the current 120 NEP revision being implemented from the academic year 2023-24. The curriculum revision is now a regular activity and the mandatory requirement of involvement of industry personnel in curriculum revision helps in enhancing the relevance of the programme curriculum.

The following table gives the details regarding the curriculum development done so far.

Year of revision of curriculum	Name of curriculum	Total credits	Brief Information of Curriculum
1994	190	190	Objective-based curriculum, 7 Levels
1999	180	180	Objective-based curriculum, 7 Levels
2004	180 R	180	Objective based Revised curriculum, 7 Levels
2009	180Q	180	Quality Function Deployment-based curriculum, 7 Levels
2014	180S	180	Objective-based Scientific curriculum, 5 Levels
2019	180 OB	180	Outcome-based curriculum, 5 Levels
2023 Onwards	120 NEP	120	Outcome-based curriculum based on NEP 2020 Philosophy

Well defined methodology is adopted for revising the curriculum structure and the content detailing of individual courses is carried out by group of experts. This is then approved by

- Programme Wise Board of Studies (PBOS),
- Board of Studies (BOS),
- Governing Body (GB).

The process adopted for designing the curriculum is as follows:

1. Identify skills (Cognitive, psychomotor and affective domain) by conducting industrial survey through questionnaire.
2. Record degree of identified skills of Diploma holder in industry on the scale of 1 to 4 (1- Most Important, 2-Important, 3- Less important, 4- Not preferred) through questionnaire.
3. Identify courses based on identified skills in industrial survey/feedback, by forming the competency statement/s.
4. Categorize courses into three main streams.
5. Placing the identified courses in appropriate levels.
6. Identify Course outcomes for each course based on the identified domain of learning. (cognitive, psychomotor, affective).
7. Collection of feedback from experienced faculty about content details, teaching scheme and evaluation scheme.
8. Revising the components of curriculum based on all the above feedbacks.
9. Validate the revised curriculum by Industry experts and Academia through conferences.
10. Obtain equivalence from Maharashtra State Board of Technical Education Mumbai in due course of time.

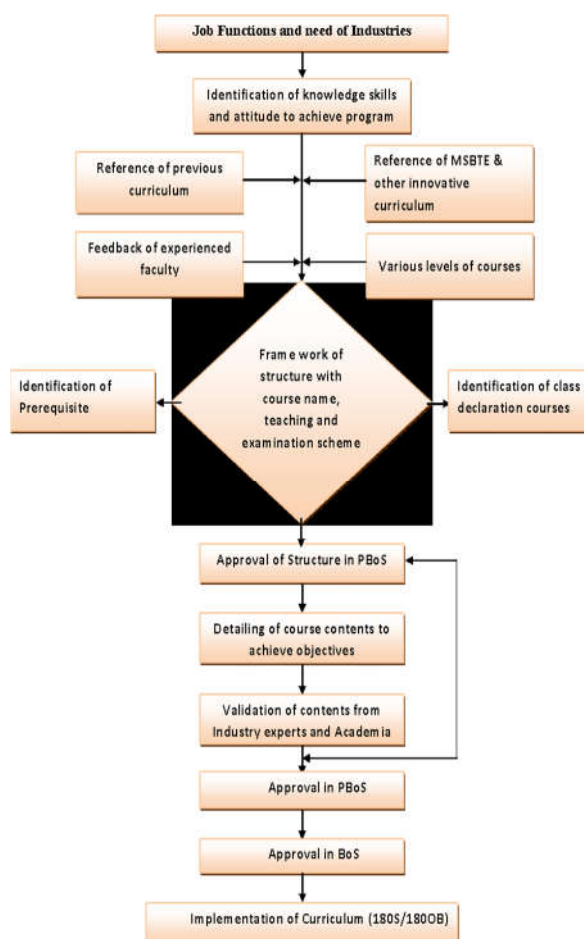
The procedure adopted for revising the outcome based curriculum is as follows:

- Defining Vision and Mission statement of the department.
- Defining Program Education Outcomes (PEOs) and Program Specific Outcomes (PSOs).
- Identification of unit outcomes (UOs) and Course Outcomes (COs) for each courses.
- Mapping COs with POs and PSOs.
- Presentation of sample COs to PBoS committee for approval.
- Refining of COs based on the feedback from PBoS and experience of the faculty members.

The revised **180 OB**, Outcome based curriculum is being implemented from the academic year **2019-20**.

- The curriculum format for the course is also improvised with the addition of the list of major equipment required along with specifications, student activities, special instructional strategies, and learning resources including a list of books with ISBNs and addresses of websites.
- Based on the feedback, new courses such as entrepreneurship development and start-ups The special feature of this 180 OB curriculum is the inclusion of **six weeks of in-plant training for all the students and micro projects for all the courses.**
- Some Prerequisite courses are also newly added.

Flow Diagram of Methodology for Curriculum Revision





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No. GPP/CDC/2025/809

Date: 06 FEB 2025

CURRICULUM DEVELOPMENT CELL COMMITTEE OF INSTITUTE

A. Institute Level CDC Team:

Sr.No.	Name of the Faculty member	Post at CDC
1.	Mr. Sudin B Kulkarni, Lecturer in Mechanical Engineering	CDC Incharge
2.	Mr. Sunil P. Date, Lecturer in Electrical Engineering	Member
3.	Mr. Rahul S. Solanke, Lecturer in Mechanical Engineering	Member

B. Program wise CDC Incharges:

Sr.No.	Name of the Faculty member	Name of the Program
1.	Mrs. Sindhu R. Panapalli, Lecturer in CE	Civil Engineering
	Ms. Bhavna N. Makam, Lecturer in CE	
2.	Mrs. Sujala P. Phadnaik, Lecturer in EE	Electrical Engineering
	Mrs. Madhuri H. Bilgi, Lecturer in EE	
3.	Mrs. Jarina J. Pathan, Lecturer in ET	Electronics and Telecommunication
	Mrs. Manjiri S. Datar, Lecturer in ET	
4.	Mr. Anil M. Joshi, Lecturer in ME	Mechanical Engineering
	Dr. Shirish D Dhobe, Lecturer in ME	
5.	Mr. Abhijit V. Mehtre, Lecturer in MT	Metallurgical Engineering
6.	Mrs. Archana S. Paike, Lecturer in CM	Computer Engineering
	Mrs. Jyoti Prakash Dandale, Lecturer in CM	
7.	Mrs. Anita D. Khirasgar, Lecturer in IT	Information Technology
	Mrs. Vaishali M. Khanapure, Lecturer in IT	
8.	Mrs. Namita V. Gondane, Lecturer in DDGM	Dress Designing and Garment Manufacturing

Sr.No.	Name of the Faculty member	Name of the Program
9.	Mrs. Dipti V Saurkar, Lecturer in Physics	Science and Humanities
10.	Mrs. Rupali S. Patil, Lecturer in Chemistry	Science and Humanities
11.	Mr.Sachin B. Yede, Lecturer in Mathematics	Science and Humanities
12.	Dr.S.P. Palve, Lecturer in English	Science and Humanities


(**Dr.Rajendra K. Patil**)
Principal
Government Polytechnic,Pune

- Copy to: 1. All HoDs / Department coordinators for Information
2. Concerned Faculty members through respective Hods/Department coordinators



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No.GPP/CDC/2025/ 802

Date: 05 FEB 2025

Members of the Board of Studies(BOS) of Government Polytechnic, Pune.

Sr. No.	Name of Member	Designation	Telephone /Mobile No.	E-mail Address
1	Shri. Milind Dhongade M.D., Computer Home Pvt Ltd, Karvenagar, Pune- 411052	Chairman	9822025175	dmilind@computer- home.com mdhongade@gmail.com
2	Dr. Rajendra K. Patil Principal, Government Polytechnic, Pune - 411 016	Member Invitee	(O) 020 - 25676818, (M) 09421017462	principal@gppune.ac.in
3	Shri. Ashok E. Atkekar Project Management Consultant, Pune - 411 016	Member	9422085059	ashokatkekar@gmail.com
4	Shri. Avinash Joshi Director, Cubix Automation Pvt. Ltd.	Member	9850507055	cubix.avinash@gmail.com
5	Dr. Sagar Tikar Deputy General Manager, ADAS Systems, ERC, Tata Motors Ltd. Pune.	Member	8237009628	sagartikar@gmail.com
6	Shri. Sanjay More Partner Sugartex Engineers, Sec no.27/A plot no.396, Pradhikaran, Nigadi, Pune, Maharashtra 411044	Member	9822353867	sugartex@gmail.com
7	Shri. Vineet S. Marathe Proprietor, Vinarc Engineers, Pune	Member	9823069983	vinmarathe15@gmail.com
8	Smt. Swati Kane Sr. Solution Architect, Jade Global	Member	9422067052	Swati.kane@jadeglobal.co m
9	Shri. Sumit Dighe Technical Director, VERITAS Technologies LLC, Pune	Member	9860602552	sumit.dighe@veritas.com

Sr. No.	Name of Member	Designation	Telephone /Mobile No.	E-mail Address
10	Smt. Minal Joshi Proprietor, (Brand Name-Uzazi), A. V. Clothing Co. Pvt. Ltd., Shukrawar Peth, Pune.	Member	9822067407	minal@uzazi.com
11	Shri. Vijay M. Kolhe Dy. Secretary, Maharashtra State Board of Technical Education, Pune Region, Pune - 411 016.	Member	(O) 020 - 5676576, (M) 9272717236	rbtepn@msbte.com
12	Shri. V. G. Tambe Head of Civil Engg. Dept., Government Polytechnic, Pune - 411 016.	Member	9423260675	ce.hod@gppune.ac.in
13	Shri. V. B. Kondawar Head of Civil Engg. Dept., Government Polytechnic, Pune - 411 016.	Member	9422873022	ce.hod@gppune.ac.in
14	Dr. Sanjay V Bhangale Head of Electrical, Engineering Dept., Government Polytechnic, Pune - 411 016.	Member	9970911577	ee.hod@gppune.ac.in
15	Shri. R. U. Shelke Head of Electrical Engg. Dept., Government Polytechnic, Pune - 411 016	Member	9405572573	ee.hod@gppune.ac.in
16	Dr Y. V. Chavan Head of Electronics and Telecommunication Engg. Dept. and I/c. Head of Dress Designing & Garment Manufacturing Dept., Government Polytechnic, Pune 411 016	Member	9823780914	et2.hod@gppune.ac.in dd.hod@gppune.ac.in chavan.yashwant@gmail.com
17	Dr N.G. Kulkarni Head of Mechanical Engg. Dept. and Academic Coordinator, Government Polytechnic, Pune - 411 016.	Member	9422401728	me.hod@gppune.ac.in
18	Smt. N. S. Kadam Head of Metallurgical Engg. Dept., Government Polytechnic, Pune - 411 016.	Member	9822083773	mt.hod@gppune.ac.in

Sr. No.	Name of Member	Designation	Telephone /Mobile No.	E-mail Address
19	Smt. J.R. Hange Head of Computer Engg. Dept., Government Polytechnic, Pune – 411 016.	Member	9960075513	hod_comp@gppune.ac.in
20	Dr. D.N. Rewadkar Head of Information Technology Department, Government Polytechnic, Pune – 411 016.	Member	9423076505	ithod@gppune.ac.in
21	Shri. S.B. Kulkarni In-charge Curriculum Development Cell, Government Polytechnic, Pune – 411 016.	Member Secretary	9284082709	cdc@gppune.ac.in


(Dr. Rajendra K. Patil)
Principal
Government Polytechnic, Pune