

Department of Petrochemical Engineering

Academic Audit Report 2017-18

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**Dr. Babasaheb Ambedkar Technological University**

**Academic Audit of Department of Petrochemical Engineering**

**Department Data Petrochemical Engineering Department Data 2017-18**

**Period of Audit: 2017-18**

**Name of the University Department:-Petrochemical Engineering**

**I-Department Profile**

1	Name of the University Department, Website, email and Ph.No.	Department of Petrochemical Engineering, www.dbatu.ac.in, vpjawanjal@dbatu.ac.in, 9423890578
2	Name of the HoD, email & Mob.No	Prof. V.P.Jawanjal vpjawanjal@dbatu.ac.in, 9423890578
3	Name of the Vice-Principal, if any, email & Mob. No.	NA
4	Name of the IQAC Coordinator, email & Mob. No.	Dr. L. N. Singh, lnsingh@dbatu.ac.in , 8087369025
5	Year of Establishment & own land if any	1989, Yes
7	NBA accreditation of courses	Not at Present, accredited twice in the past i.e., 2003-06, 2007-12
8	NAAC Grade with Cycle, Accredited Year & CGPA (Status of preparation if not Accredited)	B Grade, 1st Cycle, 2015, 2.35 NAAC Executive Committee No. & Date- EC(SC)_05_A&A_083 dated 3-3-2015-Dr. Babasaheb Ambedkar Technological University, Lonere-Maharashtra
9	UGC Recognition (2F & 12 B)	Yes
10	Department Working Hours( if shift system mention details of both shifts & give reasons for shift system)	9.00 A.M. TO 6.00 P.M.
11	No. of Posts Sanctioned: 07	Regular Faculty Working: 02 Contract Faculty Working: 06 Visiting Faculty: Nil

**I-Department Profile**

Item	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
12	Implementation of Annual Departmental Plan	Annual department plan was prepared well before start of academic Year <b>B</b>	plan is available but records of implementation not available
13	Departmental Annual Curricular Plans	Yes, Department Plan was prepared including different departmental activities <b>C</b>	Curriculum plan need to be prepared
14	Whether the above two circulated among Students?	Displayed on department notice board <b>C</b>	—
15	Department Activity Register during the academic year	Department has separate Registers for department activity and department meetings <b>B</b>	Records are not up to the mark.
16	Department Calendar/Department Magazine	Yes <b>B</b>	Hand copy of same should be available with all faculty.

17	Add-on Courses (Department-wise) completed during previous year	Yes, Faculty and student have undergone add on courses recommended by SWYAM & NPTEL	B	Record of some need to be maintained,
18	Add-on Courses (Department-wise) during current academic year 2018-19	Yes, Faculty and students have planned for courses from NPTEL & SWYAM platform	B	Record of some need to be maintained.
19	Coverage of Syllabus (Average Percentage)	Approximately 95%	B	Actual implementation to be done with plan-
20	Teaching of Humanities & Foundation Courses	Implemented as per guidelines by UGC/AICTE at First Year Engineering	A	Added in academics.
21	No. of New UG & PG Courses introduced this year.	Nil	Not Applicable	—
22	Maintenance of Student Attendance Registers	Yes, It is maintained through Annual Progress record by individual Faculty and on university online attendance system	A	Maintained.

\*: Prepared for academic year 2017-18

### III-TEACHING, LEARNING & EVALUATION

23	Teaching Diaries & Teaching Plans in Prescribed Formats	Teaching Plan and Course files are maintained by individual faculty members.	B	Requires improvement
24	Co-Curricular Activities (Department level)	Different activities through PESA (Petrochemical Engineering Student Association) are conducted at department level. (University Tech fest) Abhianta Vasant University Cultural event	B	Needs enhancement
25	Academic Competitions (University Level & Above)	Yes, Cynosure, Avishkar & participation in events organized by Institute like IIT, NIT, MIT etc.	B	Records need to maintain
26	Conduct of Internal Examinations-Unit, Half-Yearly and Pre final	Continuous assessment is carried out by the individual faculty members. Mid test is conducted by the examination department. Record of Continuous assessment is available.	A	Rubrics need to implemented for cont ASSES.
27	Subject wise result analysis	Analysis done by individual faculty and then combined together	A	At place
28	Teacher wise result analysis	Yes, Record is available	A	Annexure

\*: Prepared for academic year 2017-18

29	Remedial Classes	*Earlier conducted under UGC and TEQIP-2 but not at present	C	Requires attention
30	Record of Evaluation of Teachers by Students	At the every semester end feedback is collected, analyzed and informed to respective faculty. Record is available.	A	At place
<b>IV-RESEARCH AND CONSULTANCY</b>				
31	Is the Department a Recognized Research Centre	No.	NA	
32	No. of Research Guides in the Department	Nil for Ph.D. program however all three regular teachers are guides for M.Tech Program in Chemical Engg. And partly in Mechanical Engg.	NA	faculties available are not eligible
33	No. of Research Scholars working for Masters & Ph. D	NA	NA	
34	Major/Minor/Other Research Projects	Nil	C	Needs attention

\*: Prepared for academic year 2017-18

35	Research Papers Published in previous academic year (International/ National)	1) Prof. S.S. Metkar and 2) Prof. A. D. Darekar.	B	Faculty members need to not searched. Records are not available
36	Papers Presented in previous academic year (International/ National/ State)	Prof. Saudagar Dongare	C	Records are not available
37	Books Published in previous Academic year (Single Author/ Co Author)	Nil	C	Nil
38	Seminars/Workshops/ Training Programme Conducted (International/ National/ State)	Yes, Workshop by Shyam Kumbhar on Personality Development and Workshop on DWSIM by Prof. S. Dongare	B	
39	Record of Consultancy in previous academic year	No	C	Requires more efforts.
40	Record of MoUs in previous academic year	Nil	C	Efforts need to put

\*: Prepared for academic year 2017-18



VI-EXTENSION ACTIVITIES

41	Record of Subject/Department Related Extension Activities	Few extension activities are conducted by (Rushikesh Jadhav) students	B	Some activities are done.
42	Name of the NSS PO & Mobile No.	H. N. Warahtkar, 9403316374	NA	} University Level.
43	NSS Attendance register	Maintained at University Level	NA	
44	NSS Activity register	Maintained at University Level	NA	
45	Name of the NCC ANO & Mobile No.	M. P. Bhagat , 7588265601	NA	
46	NCC Attendance register	Maintained at University Level	NA	

\*: Prepared for academic year 2017-18

47	NCC activity register	Maintained at University Level. Annual Activity Report 2017-18 is maintained by the department.	NA	
48	Name of the professional Club Coordinator & Mobile No.	No	C	Requires efforts to start professional body chapter
49	Professional Club Activities	No	C	
50	Name of the Women Empowerment Cell (WEC) Coordinator & Mobile No.	Prof. Mrs. S.S. Metkar from Department represents at university level Mobile No. 8600172102	N/A	
51	WEC Activities	*Activity planned at University level	N/A	University Level
52	Name of the Eco-Club Coordinator & Mobile No.	*Activity conducted at University Level Nature Club	N/A	
53	Eco-Club Activities	Conducted through Nature club	N/A	

\*: Prepared for academic year 2017-18

54	Name of the Consumer Club Coordinator & Mobile No.	Shree. Suresh Lad Mobile No. 9975254439	NA	} University level
55	Consumer Club Activities	Established at University level and Monitored Employ Society Departmental Store and Xerox facilities	NA	
56	Any other Club	Prof. Y.N. Patil coordinator for University Trekking club	NA	
<b>IV-LEARNING RESOURCES</b>				
57	Name of the Librarian & Mob. No	S.P. Vaidya, 94233382280	NA	} Central library.
58	Access timings of the Library	9.30 Am and 5.30 PM. on working days. The library hours are extended during the time of final examinations.	NA	
59	Circulation of Books among Students	LIBMAN (Library Software) is used for circulation transaction. Library also runs book bank scheme sponsored by	NA	

\*: Prepared for academic year 2017-18

		the Govt. of Maharashtra. http://dbanulibrary/opac or http://172.16.5.238/opac online public access catalogue is used.		
60	Availability of Previous years Question papers	Last 3 years question papers are available with course files for each course is prepared by every faculty member.	A	Can be made available at dept. level.
61	Record of Visitors	Maintained by University Library. The library is having open access.	NA	University level
62	Status of Library Automation	The library is partially computerized with the help of LIBMAN (Library Software). The circulation transaction, Barcode generation, No dues certificates, Reminder etc. work is carried out with the help of this software.	NA	Central library.
63	e-Lessons & e-Resources/ e-Journals	Various Journals and Resources are subscribed and available online	NA	
64	Usage of Internet by students in the Library	Library has separate computer section around 20 computers are available with internet connectivity	NA	Internet facility with good bandwidths should be available

\*: Prepared for academic year 2017-18

		for students for accessing online journals and e-books.		
65	Name of SWAYAM Coordinator & Mob. No	Dr.R.S.Pawade,8698559938	NA	
66	Status of SWAYAM facilities functioning	University is recognized as an ACTIVE Local Chapter. Edusat hall is used.	NA	University Level
67	Whether SWAYAM schedule is circulated to the students	It is circulated by Dr.R. S. Pawade and Dr. S. L. Nalbalwar	NA	
68	Maintenance of SWAYAM Viewers' Register	Partially maintained at University Level by concerned coordinator	NA	Requires motivation to student to register under SWAYAM platform.
<b>VII-Student Support Activities</b>				
69	Name of the Physical/Sports Director & Mob.No	Dr.P.B.Lokhande, 8600674584	NA	full time physical Director is needed to appear
70	Record of Physical Education/Sports Department	Record is maintained at university level	NA	Dept. level Incharge can support.

\*: Prepared for academic year 2017-18

71	Records of events conducted	Inter-Collegiate Sports Meet 2017-2018, Inter University Sports meet, Ransangram Inter departmental Sport Event. Dept students' Participation Record maintained. Detailed Record is maintained at university level.	C	Record not available
72	Records of significant achievements in Sports & Games	List of winners from Petrochemical Department in Sports events is available. Detailed Record is maintained at university level.	C	Record need to maintain
73	Record of Cultural programmers conducted	Dept students' Participation Record maintained. Detailed Record is maintained at university level.	C	Record need to maintain
74	Record of any other extra-curricular activities conducted	Dept students Participation Record is maintained.	B	Record need to improve
75	Maintenance of Placement Cell facilities & records	Detailed Record is maintained at university level.	NA	Dept. Counselor to be nominated
76	Record of Student trained and placed	01 Student was placed through campus whereas 50% Students are placed by off campus placement at the end of December 2018	C	Placement need to improve
77	Name of Career Guidance Cell	Prof. Ramsingh Thakur, 7077109878		

\*: Prepared for academic year 2017-18

	Coordinator & Mob.No					
78	Record of activities Career Guidance	GATE coaching was conducted.	C		Career Guidance record need to maintain.	
79	Departmental Review Committee (DRC) Coordinator & Mob. No.	Nil	C		Dept. <del>has</del> forms DRC. Requires urgent attention.	
80	Implementation of DRC Action Plan	*Activity not planned	C		Not planned	
81	IQAC activities & maintenance of records, (Action Plan/Minutes of Meeting/Proof of submission of AQAR to NAAC/Activity register etc)	IQAC at University level is in place	NA			
82	Record of Support by Alumni Association	Informal Alumni Association is placed at departmental level, and Alumni meet was conducted in 24 Feb 2018	B		Alumni Association need to be registered	

\*: Prepared for academic year 2017-18

83	Record of Grievance Redressal Cell / Anti Ragging cell	Disciplinary committee and University Women Grievance cell are in place at department and University Respectively	NA	} University Level
84	Record of Anti Ragging cell	In placed at University level	NA	
<b>VIII-Basic Amenities</b>				
85	Maintenance of drinking water	water coolers with adequate filtration facility are available	A	Good facility available
86	Maintenance of sanitation	Maintained by University	C	Very unhygienic Urgent maintenance required
87	Rest room for women students	Available at University level on the ground floor	A	Aesthetic
88	Greenery	Maintained at University Level by Estate section	A	
89	Cleanliness	Maintained at University Level by Estate section	B	Need to Improve

\*: Prepared for academic year 2017-18





90	Health Care Facility	University has its own dispensary	B	24x7 facility should be available
91	Canteen	Canteen is available to students and faculties.	B	Requires Improvement
<b>IX-GOVERNANCE AND LEADERSHIP</b>				
92	Management Committee Register	Maintained at University level	NA	University level.
93	Functioning of Committees in Administration (Minutes of meetings)	Minutes of BoS is maintained by Chemical Engg. department		
94	Awards/Achievements		C	Requires effort.

\*: Prepared for academic year 2017-18

95	Faculty development initiatives if any	Prof. S. S. Metkar was permitted study leave of 1 year work at NCL, Pune Faculties encourage to attend workshop STDP's & FDP's	B	Need improvement. Records to be maintained
<b>X - IT INITIATIVES</b>				
96	E-Class rooms ( Number & Usage)	LH001 is in Placed and in Used	A	Usage need to improve
97	Internet Centre	Leased Line from BSNL of 1Gbps Accessed through centralized facility (2 Servers) at University level	C	Sufficient bandwidths is not available per connecting.
98	Computer labs (No. of labs & working systems)	15	B	Need to enhance number of PC as per requirement Licence of Copiers of software need to purchase.

\*: Prepared for academic year 2017-18

XI-Best Practices

<p>99</p> <p>Record of best/innovative practices by the Department</p>	<p>1) Induction Programmed of 1 week for new interns</p> <p>2) Introduction of new subject (Product Design Engineering)</p>	<p>B</p>	<p>Requires improvement and need to maintain research.</p>
<p>100</p> <p>Department Activity Register &amp; Hard Copy of AQAR of previous year (should be available with the Principal)</p>	<p>Available at department Level</p>	<p>B</p>	<p>Details should be maintained</p>
<p>Signature of the HoD</p>	<p>1.  09/02/2019 P. R. Karandhar</p> <p>2.  09.02.19 (S. V. Tanikar)</p> <p>Signatures of Academic Advisors</p>		

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**

**Individual Faculty Member Datasheet**

Centre/SubCentre: Dr. BATU. Lonere -  
 Campus

District: Raigad

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Prof. Vasant P. Jawanjil		
3	Name of the Subject taught during academic year	Chemical Engineering Thermodynamics - I Chemical Engineering Thermodynamics -II		
4	Date of Joining in Degree College/Date of joining in the present Institution	26/09/1993	Date of Retirement:	26/06/2027

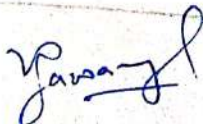
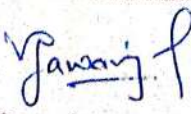
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
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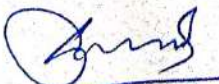
**Curricular Aspects**


5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	B	} Need improvement
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No		
8	Feedback from students	Feed back collected at the semester end	A	

**Teaching, Learning and Evaluation**

9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	Available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	More usage C
13	Record of students assignments	Yes - avialable	B	
14	Record of field trips	No	B	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	A	
17	Other Student centric learning Methods	Group presentaion	B	
18	Record of Extension Lectures given	Yes	B	
19	Record of invited lectures arranged	No	B	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes -Avialable	A	
22	Record of remedial classes conducted for slow learners	No	C	Need improvement

S.No.	Activity	Status ( Give Details, not just Yes/No)	ADVISOR along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendations / suggestions / Academic Adv.
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	} More forms needed
24	Record of Student Projects	Yes available	B	
25	Record of seminars / workshops attended / organized / Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	C	
30	Availability of CDs, Videos	Yes	B	
31	Virtual labs / Open Educational Resources	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	B	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	
34	Newspaper clippings or other materials as additional resource	Nil	C	} Need to improve
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can't Say	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities	Yes	B	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	
	 Signature of the Faculty member		 Signature of the Head of Department	

  
09-02-19

  
09/02/2019

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**  
**Individual Faculty Member Datasheet**

Centre/SubCentre: **Dr. BATU-  
Lonere Campus**

District: **Raigad**

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Dr. Sonali Mangesh Mhatre		
3	Name of the Subject taught during academic year 2017-18	Chemical Reaction Engineering I and II,		
4	Date of Joining in Degree College/Date of Joining in the present Institution	17/07/2013	Date of Retirement:	31/05/1938
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes (attached sheet in course file)	B	} <i>Need improvement</i>
6	Curriculum enrichment / Value addition	Yes	B	
7	Whether conducting Add on Courses & role in conduct of course	No	B	
8	Feedback from students	Yes, at term end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, attached with course file	A	
10	Coverage of syllabus so far (%)	90 to 95 %	A	
11	Record of students attendance	Yes, attached with course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes, attached with course file	A	
13	Record of students assignments	Yes, attached with course file	B	} <i>Need to initiate</i>
14	Record of field trips	No	B	
15	Record of student seminars conducted	Yes, attached with course file	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	} <i>more involvement</i>
17	Other Student centric learning Methods	Use of moodle and web pages	B	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes, attached with course file	B	
21	Pass percentage of University Exams / Semester in respective	Yes Available	A	
22	Record of remedial classes conducted for slow learners	No	C	

Research, Extension and consultancy			
23	Record of Research work (Paper publication, Book publication, Articles)	No	C
24	Record of Student Projects	Yes	B
25	Record of seminars / workshops attended / organized / Papers presented	Yes	B
26	Record of extension work undertaken	No	C
27	Record of MoUs, if any	No	C
28	Record of Consultancy work	No	C
} Need to improve			
Infrastructure and learning Resources			
29	Utilization of Departmental Library	Yes, for reference books	B
30	Availability of CDs, Videos	NPTEL lectures disk is available	B
31	Virtual labs / Open Educational Resources (OERs)	Yes, shown you tube videos for some theory (attached record)	B
	Development of any educational resource	All video links and notes made available on my webpage www.sonalimhatre.wordpress.com	A
Student support and progression			
32	Record of Activities conducted to contribute to the students' career opportunities	No	C
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B
34	Newspaper clippings or other materials as additional resource	Yes, Youtube videos	B
	Any Student team project for Technology Development	No	C
} - Need more focus			
Governance and Leadership			
35	Record of additional administrative responsibilities performed	Asst. Rector, Hostel Dhavalgiri member (BOS)	A
36	Record of innovative practices		C
37	Any outstanding contribution		C
38	Whether above (related activities) entered in into Departmental Activities Register	Yes	C
39	Maintenance of Departmental Activities Register	Yes	B
} Need initiatives			

<p>40</p> <p>Check Departmental Documentation ( should be available with I/c of dept.)</p> <ol style="list-style-type: none"> <li>1. Dept. Time Table</li> <li>2. Faculty-wise Annual Curricular Plans</li> <li>3. Facultywise wise Teaching Diary &amp; Plans</li> <li>4. Departmental Activity Register along with documentary Evidences</li> <li>5. Faculty wise API formats along with Evidences</li> </ol>	<p>Yes</p>	<p>B</p>	
<p><u>V. Dharia</u></p> <p>Signature of the Faculty member</p>		<p><u>V. Jangal</u></p> <p>Signature of the Head of Department</p>	

Srinidhi  
09.02.19

Pradeep  
09/02/2019



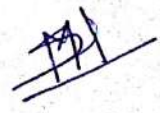
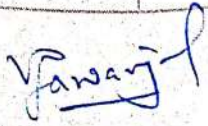
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**Academic Audit of Petrochemical Engineering Department**

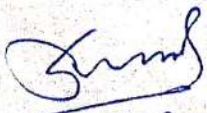
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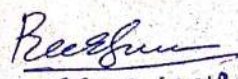
Centre/SubCentre: **Dr. BATU. Lonere - Campus**

District: **Raigad**

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Prof. Ms. Shital Mahadev Sakpal		
3	Name of the Subject taught during academic year	Petrochemical Processes-I, Elective-III(Process Plant Safety) & Petrochemical Processes-II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	3rd July, 2017	Date of Retirement:	NA
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	B	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	<i>Need improvement</i>
8	Feedback from students	Feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	90	A	
11	Record of students attendance	Available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - avialable	B	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	<i>Need to add more methods.</i>
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes Avialable	A	
22	Record of remedial classes conducted for slow learners	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendations/ suggestions by Academic Advisor
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	} Need improvement
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	} more involvement
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	} Need to improve
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	} Need to improve
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can' Say	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	C	
39	Maintenance of Departmental Activities	Yes	B	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	
				
Signature of the Faculty member		Signature of the Head of Department		

  
09.02.19

  
09.02.2019

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**

**Individual Faculty Member Datasheet**

Centre/SubCentre: Dr. BATU. Lonere  
 -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Darekar Ashitosh Dattatray		
3	Name of the Subject taught during	Process Economics & Project Management, Green Technology		
4	Date of Joining in Degree College/Date of Joining in the present Institution	7/3/2017	Date of Retirement:	NA
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	B	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	Need improvement
8	Feedback from students	Feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and Notes prepaid at the beginning	A	
10	Coverage of syllabus so far (%)	90	A	
11	Record of students attendance	Yes, available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	A	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	A	
17	Other Student centric learning Methods	Group presentaion	B	} Need improvement
18	Record of Extension Lectures given	Yes	B	
19	Record of invited lectures arranged	No	B	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	PEPM: 93.87%, GT: 100%	A	
22	Record of remedial classes conducted for slow learners	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	} more forms Needed
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes using	B	} Need more forms.
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	} Need more forms.
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can't Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities Register	Yes	B	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	

*Banekar*

Signature of the Faculty member

*V. Jaiswal*

Signature of the Head of Department

*Jain*  
09.02.19

*Banekar*  
09/02/2019

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**

**Individual Faculty Member Datasheet**

Centre/SubCentre: **Dr. BATU Lonere - Campus**

District: **Raigad**

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Prof. Ms. Sanghamitra U. Purnekar		
3	Name of the Subject taught during academic year	Energy and Environmental Engg. & Industrial Management		
4	Date of Joining in Degree College/Date of Joining in the present Institution	3/7/2017	Date of Retirement:	NA
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors

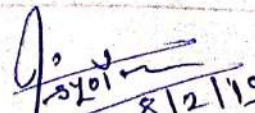
**Curricular Aspects**

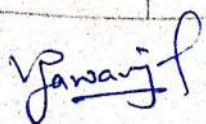
5	Annual Curricular plan	Yes	B	
6	Curriculum enrichment / Value addition	Yes	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	Need improvement
8	Feedback from students	Feed back collected at the semester end	A	

**Teaching, Learning and Evaluation**

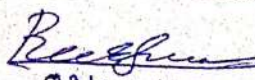
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	90	A	
11	Record of students attendance	Available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	B	
14	Record of field trips	Yes	B	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	
17	Other Student centric learning Methods	Yes-Group Presentation	B	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	Yes	A	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	No	C	} Need improvement
22	Record of remedial classes conducted for slow learners	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	} Needs to improve
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	}
30	Availability of CDs,Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	B	} more attention is needed
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Nil	-	
37	Any outstanding contribution	Can' Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities Register	Yes	B	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	

  
8/2/19  
Signature of the Faculty member

  
Signature of the Head of Department

  
09-2-19

  
09/02/2019

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**  
**Individual Faculty Member Datasheet**

Centre/SubCentre: Dr. BATU.  
 Lonere -Campus

District: Raigad

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Prof. Saudagar B. Dongare		
3	Name of the Subject taught during academic year	Inorganic Chemical Technology, Petrochemical Engineering-I, Petrochemical Engineering-II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	7/4/2017	Date of Retirement:	NA
No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	B	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	Feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	Available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	B	
14	Record of field trips	No	B	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	
17	Other Student centric learning	Group presentaion	B	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	No	A	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes Avialable	C	
22	Record of remedial classes conducted for slow learners	No		

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	C	
25	Record of seminars / workshops attended / organized /Papers	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	
30	Availability of CDs, Videos	Yes	B	
31	Virtual labs / Open Educational Development of any educational	No	C	
		No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career	Yes	B	
33	Mentoring / Counselling to students for curricular and co-curricular	Yes	B	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can' Say	C	
38	Whether above( related activities )entered in into Departmental	Yes	B	
39	Maintenance of Departmental	Yes	B	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	
	left in may 2018			
	Signature of the Faculty member			Signature of the Head of Department



**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**

Centre/SubCentre: Dr. BATU, Lonere -  
 Campus

District: Raigad

**Individual Faculty Member Datasheet**

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Prof. Ramansingh V. Takur		
3	Name of the Subject taught during academic year	Process Dynamics and Control, Advanced Petroleum Refining, Nanotechnology and Chemistry of Petroleum Hydrocarbon		
4	Date of Joining in Degree College/Date of joining in the present Institution	3/7/2017	Date of Retirement:	NA
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	B	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	Feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	Available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	C	
14	Record of field trips	No	B	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	
17	Other Student centric learning Methods	Group presentaion	B	
18	Record of Extension Lectures given	Yes	C	
19	Record of invited lectures arranged	No	A	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes avialable	A	
22	Record of remedial classes conducted for slow learners	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendations/ suggestions by Academic Advisor
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	
30	Availability of CDs, Videos	Yes	B	
31	Virtual labs / Open Educational Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career	Yes	B	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for 'Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can' Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities	Yes	B	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	
	left in June 2018			
	Signature of the Faculty member			Signature of the Head of Department

Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Department of Petrochemical Engineering

Student Strength Particulars 2017 - 18

Date of Audit: 9/2/2019

District : Raigad

Zone: DBATU, Lonere

Name of the University: Dr. Babasaheb Ambedkar Technological University, Lonere, Department of Petrochemical Engineering

Sr No	GROUP	COMBINATION	YEAR	SANCTIONED STRENGTH	ADMITTED STRENGTH												
					Total Male	Total Female	TOTAL	SC (M)	SC (F)	ST (M)	ST (F)	NT/DT (M)	NT/DT (F)	OBC (M)	OBC (F)	PH (M)	PH (F)
1	UG	Petrochemical	I	60 + 3	53	7	60	8	2	1	--	6	--	22	3	1	--
2	UG	Petrochemical	II	63 + 15	49	13	62	5	2	--	6	--	18	5	--	--	--
3	UG	Petrochemical	III	63 + 15	66	18	84	11	6	3	--	7	--	22	8	--	--
4	UG	Petrochemical	IV	63 + 15	50	21	71	6	3	--	7	2	19	10	--	--	--

Apeksha  
Dhadve

*P. R. Karambale*  
09/02/2019  
P. R. Karambale

*S. V. Tanilkar*  
09.02.19.  
S. V. Tanilkar


*V. Pawar*

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Department of Petrochemical Engineering**

**Action Taken Report by Head of the Department**

**I-COLLEGE PROFILE**

1	Name of the College, Website, email and Ph.No.	Department of Petrochemical Engineering, Dr..BATU- Lonere Campus	
2	Name of the HoD, email & Mob.No	Prof. V.P. Jawanjai, vpjawanjai@dbatu.ac.in, 9423890578	
3	Name of the Vice-Principal, email & Mob. No.	Not applicable	
4	Name of the IQAC Coordinator, email & Mob. No.	Dr.L.N. Singh,Insingh@dbatu.ac.in, 8087369025	
5	Year of Establishment & own land if any	1989, Yes	
6	NBA accreditation	Not at present	Twice in past i.e in year
7	NAAC Grade with Cycle, Accredited Year & CGPA (if not Accredited Status of Preparations)	B grade, First cycle 2015.2.35 NAAC executive committee no and date - EC(SC)_05_A&A_083 dated 3-3-2015 Dr Babasaheb Ambedkar Technological University Lonere Raigad	
8	UGC Recognition (2F & 12 B)	Yes	
9	College Working Hours( if shift system mention details of both shifts & give reasons for shift system)	9am -6 pm	
10	No. of Posts Sanctioned:07	Regular Working: 03	Contract Working: 06 Nil
11	Course wise & Year wise Students strength particulars ( Proforma enclosed & to be submitted along with AAR)	Copy attached.	
<b>II-CURRICULAR ASPECTS</b>			
	<b>Item</b>	Recommendation/Suggestions by Academic Advisors A(Good)/B( Satisfactory)/C (poor) after observation	
		Grade Recommendation	
1	Implementation of Annual Institutional Plan	B	Plan was there, record vsa not there
2	Departmental Annual Curricular Plans	C	Curricular plan need to be prepared
			18-19 record will be maintained For 18-19 it is prepared



3	College Activity Register 2017-18	B	Prepared but records not available	it will be updated and for 18-19 it will be maintained
4	Departmental Activity Registers (Dept. Wise)	B	Available	Maintained
5	Add-on Courses (Department-wise) completed during 2016-17	B	Record of certificated need to be maintained	Will be updated
6	Add-on Courses (Department-wise) in 2017-18	B	Record of certificated need to be maintained	for 18-19 it is maintained
7	Coverage of Syllabus (Average Percentage)	B	Actual implementation to be linked with annual plan	Will be corrected for 18-19
8	Teaching of Humanities & Foundation Courses	A	Added in academics	
9	No. of New UG & PG Courses introduced this year:	NA		
10	Maintenance of Student Attendance Registers	A		
11	Feedback forms on Curriculum from students	A		

### III-TEACHING, LEARNING & EVALUATION

1	Teaching Diaries & Plans in the Prescribed Formats	B	Requires improvement	Will be done for 18-19
2	Co-Curricular Activities (College Level)	B	Needs enhancement	Steps will be taken
3	Academic Competitions (College & Above level)	B	Records not available	will be updated for 17-18 and maintained for 18-19
4	Conduct of Internal Examinations	A	Rubrics need to be implemented for continuous assessment	Existing processes will be redefined
5	Subject wise result analysis	A		
6	Teacher wise result analysis	A		
7	Remedial Classes	C	Requires attention	Point noted
8	Record of Evaluation of Teachers by Students (Monthly from July)	A		

### IV-RESEARCH AND CONSULTANCY

1	Is the College a Recognized Research Centre	NA		
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*[Handwritten Signature]*

2	No. of Research Guides in the College	NA	current PHD Professors are not eligible for guiding student	
3	No. of Research Scholars working for Masters & Ph. D	NA		
4	Major/Minor/Other Research Projects	C	Needs attainment	Steps will be taken
5	Research Papers Published in previous academic year ( International /National)	B	Records not available in department	will be corrected for 17-18
6	Papers Presented in previous academic year ( International /National/ State )	C	Records not available in department	will be corrected for 17-18
7	Books Published in previous academic year(Single Author/ Co Author)	NA		faculty will be asked to generate content
8	Seminars/Workshops/ Training Programme Conducted in previous academic year( International /National/ State )	B		
9	Record of Consultancy in previous academic year	C	Requires more efforts	Point noted and will be attended
10	Record of MOUs in previous academic year	C	Requires more efforts	Will be done for 18-19
<b>VI-EXTENSION ACTIVITIES</b>				
1	Record of Subject/Department Related Extension Activities	B	Requires more efforts	Point noted
2	Name of the NSS PO & Mobile No.	NA		
3	NSS Attendance register	NA		
4	NSS activity register	NA		
5	Name of the NCC ANO & Mobile No.	NA		
6	NCC Attendance register	NA		
7	NCC activity register	NA		
8	Name of the Professional Club Coordinator & Mobile No.	C	Requires more efforts	Point noted for 2018-19
9	Professional Club Activities	C	Requires more efforts	Point noted for 2018-19
10	Name of the Women Empowerment Cell(WEC) Coordinator & Mobile No.	NA		
11	WEC Activities	NA		



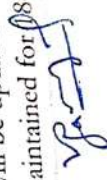
12	Name of the Eco-Club Coordinator & Mobile No.	NA	
13	Eco- Club Activities	NA	
14	Name of the Consumer Club Coordinator & Mobile No.	NA	
15	Consumer Club Activities	NA	
16	Any other Club	C	Requires more efforts Point noted for 2018-19

**IV-LEARNING RESOURCE**

1	Name of the Librarian & Mob.No	NA	
2	Access timings of the Library	NA	
3	Circulation of Books among Students	NA	As per feedback from students ,availability of books are lesser in library
4	Availability of Previous years Question papers	B	not available at department level
5	Record of Visitors	NA	
6	Status of Library Automation	NA	
7	e- Resources & e-Journals	C	Need to be generated
8	Name of SWAYAM Coordinator & Mob.No	NA	
9	Usage of Internet by students in the Library	B	Internet availability is a very big issue
10	Status of SWAYAM facilities functioning	NA	
11	Whether SWAYAM schedule is circulated to the students	NA	
12	Maintenance of SWAYAM Viewers' Register	NA	

**VII-Student Support Activities**

1	Name of Physical Director & Mob.No	NA	
2	Record of Physical Education Department	NA	
3	Records of events conducted and significant achievements in Sports & Games	C	Data for Department needs to be maintained Page 4 of 7

Record will be updated for 17-18 and will be maintained for 18-19  


4	Record of cultural programmes conducted	C	Records need to be maintained	Record will be updated for 17-18 and will be maintained for 18-19
5	Record of any other extra-curricular activities conducted	C	Records need to be maintained	Record will be updated for 17-18 and will be maintained for 18-19
6	Maintenance of placement facilities & records	NA	Department person to be nominated for placement	point noted
7	Record of Students trained in different verticals	C	Placement need to be improved	Special Efforts will be taken
8	Record of Student trained and placed	NA		
9	Name of Career Guidance Coordinator and Mob.No	NA		
10	Record of activities Career Guidance and placement cell	NA		
11	Name of Dept Review Committee Coordinator & Mob. No.	C	Department has to form DRC	will be formed for 18-19
12	Implementation of DRC Action Plan	C		
13	IQAC activities & maintenance of records , (Action Plan/Minutes of Meeting/ submission of AQAR to	NA		
14	Record of Support by Alumni Association	B	Alumni association needs to be registered	Point noted and will be attended
15	Record of Grievance Redressal Cell / Anti Ragging Cell	NA		
16	Mentoring / Counselling System			

*[Handwritten signature]*



VIII-Basic Amenities

1	Maintenance of drinking water	A	Good Facility	will be repventorted to estate section plus personal attention will be gi
2	Maintenance of Sanitation	C	Very unhygenic and urgent maintainance required	
3	Rest room for women students	A		
4	Greenery & Cleanliness	A		
5	Health Care Facility	B	Round o clock dedicated person needed	will be conveyed to university authority
6	Canteen	B	canteen requires improvement	will be communicated to canteen

IX-GOVERNANCE AND LEADERSHIP

1	Management Committee Register	NA		
2	Functioning of Committees in Administration (Minutes of Meetings)	NA		
3	Awards/Achievements	C	Requires efforts	Point noted
4	Faculty development initiatives if any	B	requires improvements and records to be maintained	Point noted.

X - IT INITIATIVES

1	e-class rooms (Number & Usage)	A	Number to be added	Will be communicated to higher
2	Internet Centre	C	Center is avialable .Sufficient Bandwidth not avialability. Poor connectivity	Will be communicated to higher authority
3	Computer labs (No. of labs & working systems)	B	No of computers needs to be increased and all softwares are pyreted .Licence copy required	Will be dne by June 19

XI-Best Practices

1	Record of best/innovative practices by the institution	B	Requires improvement. Records need to be maintained	Point noted
2	College Activity Register & Hard Copy of AQAR previous academic year (should be available with the Principal)	B	Details of minutes and meeting to be recorded	will be corrected for 18-19



3 Over All Impression on the College

B


*Handwritten signature*  
9/02/2019


Signature of the Head of Department

Dr. Babasaheb Ambedkar Technological University

Academic Audit of Petrochemical Engineering Department  
Format for submission of Academic Advisors Report (AAR)  
Name of The Department:-Petrochemical Engineering

No	Item	Grade *	Impression
1	Conduct of Classes	A	
2	Co-Curricular Activities & Extra-Curricular Activities	B	
3	College Activity Register	<del>B</del> NA	
4	Departmental Activity Registers	B	
5	Discipline in the campus	B	
6	IQAC	NA	
7	Placement	C	
8	Departmental research	C	
9	Career Guidance Cell	C	
10	SWAYAM facilities	NA	
11	Library	NA	
12	Research & Laboratories	B	
13	Games & Sports	B	

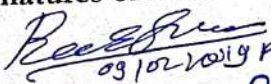
  
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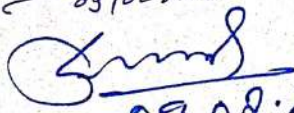
  
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S.No	Item	Grade *	Impression
14	Humanities and Foundation Courses	A	
15	Teacher Evaluation by Students	A	
16	Maintenance of Registers	B	
17	Teaching Diaries & Plans	B	
18	NCC / NSS	NA	
19	Women Empowerment Cell	NA	
20	Professional Club	C	
21	Sanitation & drinking water	B	
22	Cleanliness	B	
23	Functioning of Teachers	A	
24	Over All Impression on the College	B	
25	Any Other important Observation		

\* A(Good)/B( Satisfactory)/C (poor)

Signatures of Academic Advisors

1   
09/02/2019 P.R. Karanabettu

2   
09-02-2019 (S.V. Tanujkar)

## Academic Audit Summary Sheet: Petrochemical Engineering Department

**Institution:** Dr. Babasaheb Ambedkar Technological University Lonere -Raigad

**Program Title(s):** B.Tech. in Petrochemical Engineering

**Academic Audit Status:** Present one 2017-18 (09/02/2019)

**First Academic Audit** 14-15 & 15-16 (16/11/2016)

**Second Academic Audit** 16-17 (31/07/2017)

Each undergraduate program undergoes either an academic audit or external peer review.

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

A check-mark should be placed in the appropriate box to indicate whether a program has "met" or "not met" each criterion in the table. If the % is less than 50% of the target value then the program has not met the objective of the Program.

If a particular criterion is inappropriate or not applicable to the program, the criterion should be marked "NA".

When combined with the self-study and the written report prepared by the visiting team, the Summary Sheet will facilitate institutional development of a program action plan to ensure continuous quality improvement.

### AUDIT TEAM

**Name** Prof. Suyog V Taralkar

**Name** Shri Parag Karambele

**Title** Associate Professor

**Title :** Senior Manger

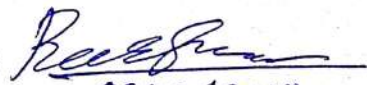
**Institution :** Academy of Engineering  
MIT

**Industry:** Excel Industries Roha

**Signature**  
**Date**

  
09-02-2019

**Signature**  
**Date**

  
09/02/2019  
P-R-Moramburlo

## Academic Audit Summary Sheet

Institution/University Department: Petrochemical Engineering  
 Program Title: B.Tech in Petrochemical Engineering  
 Degree Level: Undergraduate Program  
 Academic Audit Status: current 2017-18 (09/02/2019)  
 First Academic Audit 2014-15 & 2015-16 (On 16/11/2016)  
 Second Academic Audit 2016-17 (31/07/2017)

### Evaluation Results

		Met/not met	% achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member has prepared Course Files as per the learning objectives of the program	met	65%
1.2	The Faculty member has shared his course file with the students of the class through Intranet/ Social media or any other means	not met	30%
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	not met	25%
<b>2.</b>	<b>CURRICULUM AND CO-CURRICULUM</b>		
2.1	The faculty member collaborated with other faculty members for effective design, sequence of courses and delivery of course for improvements and documented these efforts appropriately	met	60%
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	not met	25%
2.3	The faculty member documented a plan for review of curriculum and co-curriculum comparing those with the best practices elsewhere or in best institutes	not met	30%
<b>3</b>	<b>TEACHING AND LEARNING PROCESSES</b>		
3.1	The faculty member analyzed his/her own methods for improving teaching and learning throughout the program and practiced them.	met	75%
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieve the learning objectives.	met	60%
	The faculty member developed materials for achieving student mastery of learning objectives.	met	65%
<b>4.0</b>	<b>STUDENT LEARNING ASSESSMENT</b>		
4.1	The Faculty member has announced the method of continuous assessment at the beginning of the course and followed it throughout.	met	65%
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	met	70%
4.3	The faculty member has documented assessments of student learning	met	60%
4.4	The faculty member has developed measurable indicators of student learning success	not met	20%

4.5	The faculty member has developed and documented a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	not met	30%
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	met	75%
4.7	The students are challenged enough to use their knowledge creatively	met	60%
5.0	<b>QUALITY ASSURANCE</b>		
5.1	There is an existing process in the Institute to understand the parameters of quality of teaching and learning processes	met	65%
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	met	55%
5.3	There is commitment to making continuous quality improvements in the program a top priority	met	60%
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	met	70%
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	met	65%
5.6	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	not met	40%
6	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	met	65%
6.2	The Academic Audit process (self-study and visit) included descriptions of the program's quality processes including all five focal areas.	met	55%
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	met	75%
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	met	80%
6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	met	85%
7	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	not met	30%
7.2	There is documented evidence that recommendations made by the previous Academic Audit Team have been considered and, when feasible and appropriate, implemented and tracked.	not met	25%
7.3	There is documented evidence that the program has been implemented and tracked the progress of and use of results from improvement initiatives cited by the faculty its self-study.	not met	30%
8	<b>SUPPORT</b>		
8.1	The program regularly evaluates its library, equipment and facilities, encouraging necessary improvements within the context of overall college resources.	met	60%
8.2	The program's operating budget is consistent with the needs of the program.	met	55%

8.3	The program has a history of enrolment rates sufficient to sustain high quality and cost-effectiveness.	met	60%
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	met	65%
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	not met	25%
8.6	The Program has a history of generating support from industries and alumni to sustain itself.	not met	25%



**Department of Petrochemical Engineering**  
**Academic Audit Report 2018-19**

## Table of Content

Sr. No.	Title
01	Department Data
02	Academic Audit Faculty Data Sheet
03	Student Strength Particulars
04	Action Taken Report
05	Academic Auditors Report
06	Academic Advisors Report
07	Academic Audit Summery Sheet

Dr. Babasaheb Ambedkar Technological University			
Academic Audit of Department of Petrochemical Engineering			
Department Data Petrochemical Engineering Department Data 2018-19			
Name of the University Department:-Petrochemical Engineering			Period of Audit: 2018-19
I-Department Profile			
1	Name of the University Department, Website, email and Ph.No.	Department of Petrochemical Engineering, www.dbatu.ac.in, vpjawanjal@dbatu.ac.in, 9423890578	
2	Name of the HoD, email & Mob.No	Prof. V.P.Jawanjal vpjawanjal@dbatu.ac.in, 9423890578	
3	Name of the Vice-Principal, if any, email & Mob. No.	NA	
4	Name of the IQAC Coordinator, email & Mob. No.	Dr. L. N. Singh, lnsingh@dbatu.ac.in, 8087369025	
5	Year of Establishment & own land if any	1989, Yes	
7	NBA accreditation of courses	Not at Present, accredited twice in the past i.e., 2003-06, 2007-12	
8	NAAC Grade with Cycle, Accredited Year & CGPA (Status of preparation if not Accredited)	B Grade, 1st Cycle, 2015, 2.35 NAAC Executive Committee No. & Date- EC(SC)_05_A&A_083 dated 3-3-2015-Dr. Babasaheb Ambedkar Technological University, Lonere-Maharashtra	
9	UGC Recognition (2F & 12 B)	Yes	
10	Department Working Hours( if shift system mention details of both shifts & give reasons for shift system)	9.00 A.M. TO 6.00 P.M.	
11	No. of Posts Sanctioned: 07	Regular Faculty Working: 03 on study leave	Contract Faculty Working: 07 Visiting Faculty: Nil

\*: Prepared for academic year 2018-19

I-Department Profile				
	Item	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
12	Implementation of Annual Departmental Plan	Annual department plan was prepared well before start of academic Year	B	Plan is available
13	Departmental Annual Curricular Plans	Yes, Department Plan was prepared including different departmental activities	B	Plan needs to be more exhaustive
14	Whether the above two circulated among Students?	Displayed on department notice board	B	Details are displayed from time to time
15	Department Activity Register during the academic year	Department has separate Registers for department activity and department meetings	A	-----
16	Department Calendar/Department Magazine	Yes	B	Soft copy mailed to individual faculty

\*: Prepared for academic year 2018-19

17	Add-on Courses (Department-wise) completed during previous year	Yes, Faculty and student have undergone add on courses recommended by SWYAM & NPTEL.	B	More motivation for participation and record of the same should be maintained
18	Add-on Courses (Department-wise) during current academic year 2018-19	Yes, Faculty and students have planned for courses from NPTEL & SWYAM platform	A	Record is available
19	Coverage of Syllabus (Average Percentage)	Approximately 95%	A	Actual implementation needs to be in line with plan.
20	Teaching of Humanities & Foundation Courses	Implemented as per guidelines by UGC/AICTE at First Year Engineering	A	Present in curriculum
21	No. of New UG & PG Courses introduced this year:	Nil	---	---
22	Maintenance of Student Attendance Registers	Yes, It is maintained through Annual Progress record by individual Faculty.	A	Maintained

\*: Prepared for academic year 2018-19

### III-TEACHING, LEARNING & EVALUATION

23	Teaching Diaries & Teaching Plans in Prescribed Formats	Teaching Plan and Course files are maintained by individual faculty members.	B	Requires improvement
24	Co-Curricular Activities (Department level)	Different activities through PESA (Petrochemical Engineering Student Association) are conducted at department level. (University Tech fest) Abhianta Vasant University Cultural event	B	Needs enhancement
25	Academic Competitions (University Level & Above)	Yes, Cynosure, Avishkar & participation in events organized by Institute like IIT, NIT, MIT etc.	B	Records are available
26	Conduct of Internal Examinations-Unit, Half-Yearly and Pre final	Continuous assessment is carried out by the individual faculty members. Mid test is conducted by the examination department. Record of Continuous assessment is available.	A	Rubrics needs to be implemented For constant assessment
27	Subject wise result analysis	Analysis done by individual faculty and then combined together	A	Available in APR of individual Faculty
28	Teacher wise result analysis	Yes, Record is available	A	Available

\*: Prepared for academic year 2018-19

29	Remedial Classes	*Earlier conducted under UGC and TEQIP-2 but not at present	B	Tutorials are conducted
30	Record of Evaluation of Teachers by Students	At the every semester end feedback is collected, analyzed and informed to respective faculty. Record is available.	A	In place
<b>IV-RESEARCH AND CONSULTANCY</b>				
31	Is the Department a Recognized Research Centre	No.	---	---
32	No. of Research Guides in the Department	Nil for Phd programme however all three regular teachers are guides for M.Tech Programme in Chemical Engg. And partly in Mechanical Engg.	NA	Faculty is not eligible according to new rules
33	No. of Research Scholars working for Masters & Ph. D	NA	---	---
34	Major/Minor/Other Research Projects	Nil	C	Needs attention

\*: Prepared for academic year 2018-19

35	Research Papers Published in previous academic year (International/ National)	1) Prof. S.S. Metkar and	B	Improvement is necessary
36	Papers Presented in previous academic year (International/ National/ State)	Nil	C	Needs improvement
37	Books Published in previous Academic year (Single Author/ Co Author)	Nil	C	-----
38	Seminars/Workshops/ Training Programme Conducted (International/ National/ State)	Yes, Workshop AUTOCAD by Prof Nande and Workshop on Personality Development by Prof. Darekar	B	--
39	Record of Consultancy in previous academic year	No	C	Require more efforts
40	Record of MoUs in previous academic year	Nil	C	Efforts needs to be put in

\*: Prepared for academic year 2018-19



**VI-EXTENSION ACTIVITIES**

41	Record of Subject/Department Related Extension Activities	Few extension activities are conducted by students	B	Needs to be streamlined
42	Name of the NSS PO & Mobile No.	H. N. Warahkar, 9403316374	NA	
43	NSS Attendance register	Maintained at University Level	NA	Record available at University level
44	NSS Activity register	Maintained at University Level	NA	Record available at University level
45	Name of the NCC ANO & Mobile No.	M. P. Bhagat, 7588265601	NA	
46	NCC Attendance register	Maintained at University Level	NA	Record available at University level

\*: Prepared for academic year 2018-19

47	NCC activity register	Maintained at University Level. Annual Activity Report 2017-18 is maintained by the department.	NA	
48	Name of the professional Club Coordinator & Mobile No.	No	C	Need to start professional body chapter
49	Professional Club Activities	No	C	---
50	Name of the Women Empowerment Cell (WEC) Coordinator & Mobile No.	Prof. Mrs. S.S. Metkar from Department represents at university level Mobile No. 8600172102	NA	
51	WEC Activities	*Activity planned at University level	NA	
52	Name of the Eco-Club Coordinator & Mobile No.	*Activity conducted at University Level Nature Club	NA	
53	Eco- Club Activities	Conducted through Nature club	NA	

\*: Prepared for academic year 2018-19

54	Name of the Consumer Club Coordinator & Mobile No.	Shree. Suresh Lad Mobile No. 9975254439	NA	
55	Consumer Club Activities	Established at University level and Monitored Employ Society Departmental Store and Xerox facilities	NA	
56	Any other Club	Prof. Y.N. Patil coordinator for University Trekking club	NA	
<b>IV-LEARNING RESOURCES</b>				
57	Name of the Librarian & Mob.No	S.P.Vaidya,94233382280	NA	
58	Access timings of the Library	9.30 Am and 5.30 PM. on working days. The library hours are extended during the time of final examinations.	NA	
59	Circulation of Books among Students	LIBMAN (Library Software) is used for circulation transaction. Library also runs book bank scheme sponsored by	NA	No of books needs to be added through Book bank

\*: Prepared for academic year 2018-19

		the Govt. of Maharashtra. http://dbatulibrary/opac or http://172.16.5.238/opac) online public access catalogue is used.		
60	Availability of Previous years Question papers		A	---
61	Record of Visitors	Maintained by University Library .The library is having open access.	NA	Record available at University level
62	Status of Library Automation	The library is partially computerized with the help of LIBMAN (Library Software).The circulation transaction, Barcode generation, No dues certificates, Reminder etc. work is carried out with the help of this software.	NA	Record available at University level
63	e-Lessons & e-Resources/ e-Journals	Various Journals and Resources are subscribed and available online	NA	Record available at University level
64	Usage of Internet by students in the Library	Library has separate computer section around 20 computers are available with internet connectivity for students for accessing online journals and e- books.	Na	Record available at University level

\*: Prepared for academic year 2018-19

65	Name of SWAYAM Coordinator & Mob. No	Dr.R.S.Pawade,8698559938	NA	
66	Status of SWAYAM facilities functioning	University is recognized as an ACTIVE Local Chapter. EduSat hall is used.	NA	Record available at University level
67	Whether SWAYAM schedule is circulated to the students	It is circulated by Dr.R. S. Pawade and Dr. S. L. Nalbalwar	NA	Record available at University level
68	Maintenance of SWAYAM Viewers' Register	Partially maintained at University Level by concerned coordinator	NA	Motivation is needed to students to register for SWAYAM platform
<b>VII-Student Support Activities</b>				
69	Name of the Physical/Sports Director & Mob.No	Dr.P.B.Lokhande, 8600674584	NA	
70	Record of Physical Education/Sports Department	Record is maintained at university level	NA	Department level in-charge to be appointed
71	Records of events conducted	Inter-Collegiate Sports Meet 2018-2019, Inter University Sports meet, Ransangram Inter	B	---

\*: Prepared for academic year 2018-19

		departmental Sport Event. Dept students' Participation Record maintained. Detailed Record is maintained at university level.		
72	Records of significant achievements in Sports & Games	List of winners from Petrochemical Department in Sports events is available. Detailed Record is maintained at university level.	C	Record needs to be maintained
73	Record of Cultural programmers conducted	Dept students' Participation Record maintained. Detailed Record is maintained at university level.	B	Record needs to be maintained
74	Record of any other extra-curricular activities conducted	Dept students Conducted NOVATRICKS event in CYNOSURE-2019 .	A	--
75	Maintenance of Placement Cell facilities & records	Detailed Record is maintained at university level.	B	Department faculty coordinator needs to be appointed
76	Record of Student trained and placed	05 Student was placed through campus whereas 50% Students are placed by off campus placement at the end of December 2018	B	Needs improvement
77	Name of Career Guidance Cell Coordinator & Mob.No	Prof. Metkar S.S.	--	--

\*: Prepared for academic year 2018-19

78	Record of activities Career Guidance	GATE coaching was conducted.	C	Record needs to be maintained
79	Departmental Review Committee (DRC) Coordinator & Mob. No.	Nil	C	Review committee has to be formed on urgent basis
80	Implementation of DRC Action Plan	*Activity not planned*	C	Not planned
81	IQAC activities & maintenance of records, (Action Plan/Minutes of Meeting/Proof of submission of AQAR to NAAC/Activity register etc)	IQAC at University level is in place	NA	Record available at University level
82	Record of Support by Alumni Association	Informal Alumni Association is placed at departmental level and Alumni meet was conducted in 20 Feb 2019	B	Needs to be registered
83	Record of Grievance Redressal Cell / Anti Ragging cell	Disciplinary committee and University Women Grievance cell are in place at department and University Respectively	NA	

\*: Prepared for academic year 2018-19

84	Record of Anti Ragging cell	In placed at University level	NA	
<b>VIII-Basic Amenities</b>				
85	Maintenance of drinking water	water coolers with adequate filtration facility are available	A	-
86	Maintenance of sanitation	Maintained by University	B	-
87	Rest room for women students	Available at University level on the ground floor	A	-
88	Greenery	Maintained at University Level by Estate section	A	-
89	Cleanliness	Maintained at University Level by Estate section	B	-
90	Health Care Facility	University has its own dispensary	A	

\*: Prepared for academic year 2018-19

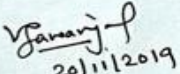
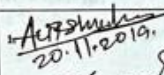
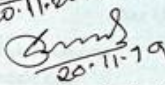


91	Canteen	Canteen is available to students and faculties.	A	
<b>IX-GOVERNANCE AND LEADERSHIP</b>				
92	Management Committee Register	Maintained at University level	NA	Record available at University level
93	Functioning of Committees in Administration (Minutes of meetings)	Minutes of BoS is maintained by Chemical Engg. department	NA	Record available with Chemical Engineering Department.
94	Awards/Achievements	-	C	Requires efforts
95	Faculty development initiatives if any	Faculties encourage to attend workshop STDP's & FDP's	B	Record available

\*: Prepared for academic year 2018-19

X - IT INITIATIVES				
96	E-Class rooms (Number & Usage)	LH001 is in Placed and in Used	A	More usage needed
97	Internet Centre	Leased Line from BSNL of 1Gbps Accessed through centralized facility (2 Servers) at University level	C	Needs improvement
98	Computer labs (No. of labs & working systems)	15	B	Number needs to improve
XI-Best Practices				
99	Record of best/innovative practices by the Department	1) Induction Programmed of three week for new interns 2) Introduction of new		---

\*: Prepared for academic year 2018-19

		subject (Product Design Engineering)	A	
100	Department Activity Register & Hard Copy of AQAR of previous year (should be available with the Principal)	Available at department Level	B	---
	 Signature of the HoD 20/11/2019		<ol style="list-style-type: none"> <li>             20.11.2019         </li> <li>             20.11.19         </li> </ol> Signatures of Academic Advisors	

\*: Prepared for academic year 2018-19

**Dr. Babasaheb Ambedkar Technological University**

**Academic Audit of Engineering Colleges**

Format - II ( To be filled individually by Faculty Member)

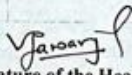
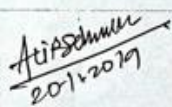

Centre/SubCentre: Dr. BATU, Lonere -  
Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad		
2	Name of the Faculty Member	Vasant P. Jawanjil		
3	Name of the Subject taught during academic year 2018-19	Chemical Process Calculation ,Chemical Engineering Thermodynamics - II, Petrochemical Engineering -II, Chemical Engineering Thermodynamics -II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	26/09/1993	Date of Retirement:	26/06/2027
<b>S.No.</b>	<b>Activity</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation</b>	<b>Recommendation/Suggestions by Academic Advisors</b>
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	B	
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - avialable	B	
14	Record of field trips	No	-	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	Yes	B	
19	Record of invited lectures arranged	No	-	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	A	
22	Record of remedial classes conducted for slow learners	No	-	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	-	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	
30	Availability of CDs, Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	No	-	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impress <sup>n</sup> of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	B	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	
34	Newspaper clippings or other materials as additional resource	Nil	-	
	Any Student team project for Technology Development	No	-	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	A	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can' Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
Signature of the Faculty member		 Signature of the Head of Department		
Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.		 20/11/2019  20.11.19		

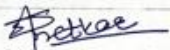
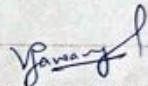
**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre:		Dbatu, Lonere	District:	Raigad
1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Mr. METKAR SANGEETA SIDRAM		
3	Name of the Subject taught during academic year 2018-19	CRE-I, TP, MO, CRE-II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	5/8/2005	Date of Retirement:	31/8/2038
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B/C	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	attached		
6	Curriculum enrichment / Value addition	attached		
7	Whether conducting Add on Courses & role in conduct of course	yes		
8	Feedback from students	yes		
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	yes, attached		
10	Coverage of syllabus so far (%)	100%		
11	Record of students attendance	yes		
12	Use of ICT - PPT & Audio-video Aids	yes		
13	Record of students assignments	yes		



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B/	Recommendation/Suggestions by Academic Advisors
14	Record of field trips	yes		
15	Record of student seminars conducted	yes		
16	Record of academic competitions conducted if any (Quiz, Role play)	yes		
17	Other Student centric learning Methods	NA		
18	Record of Extension Lectures given	NA		
19	Record of invited lectures arranged	yes		
20	Record of internal examinations and University Exams	yes, attached		
21	Pass percentage of University Exams / Semester in respective subject for the last three years (paper wise)	yes		
22	Record of remedial classes conducted for slow learners	NA		
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Yes		
24	Record of Student Projects	Yes		
25	Record of seminars / workshops attended / organized /Papers presented	Yes		
26	Record of extension work undertaken	no		
27	Record of MoUs, if any	NA		
28	Record of Consultancy work	no		
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	yes		
30	Availability of CDs,Videos	yes		
31	Virtual labs / Open Educational Resources (OERs)	yes		

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B/	Recommendation/Suggestions by Academic Advisors
	Development of any educational resource	NA		
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	yes		
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes		
34	Newspaper clippings or other materials as additional resource	yes		
	Any Student team project for Technology Development	no		
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	yes, attached		
36	Record of innovative practices	yes		
37	Any outstanding contribution	nil		
38	Whether above( related activities )entered in into Departmental Activities Register	yes		
39	Maintenance of Departmental Activities Register	yes		

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B/C	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	yes		
	 Signature of the Faculty member			 Signature of the HoD
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Engineering Colleges**

**Format - II ( To be filled individually by Faculty Member)**

<b>Centre/SubCentre:</b>		<b>Dbatu, Lonere</b>	<b>District:</b>	<b>Raigad</b>
1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University		
2	Name of the Faculty Member	Dr. Sonali Mangesh Mhatre		
3	Name of the Subject taught during academic year 2018-19	CRE-II, MTO-I, MTO-II, PDE-I, Advanced Separation Techniques		
4	Date of Joining in Degree College/Date of Joining in the present Institution	17/07/2013	Date of Retirement:	31/05/1938
<b>S.No.</b>	<b>Activity</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation</b>	<b>Recommendation/Suggestions by Academic Advisors</b>
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes (attached with course file)	A	
6	Curriculum enrichment / Value addition	Yes	A	
7	Whether conducting Add on Courses & role in conduct of course	no	C	
8	Feedback from students	Yes, departmental	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, attached with course file	A	
10	Coverage of syllabus so far (%)	90 to 95 %	A	
11	Record of students attendance	Yes, attached with course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes, attached with course file	A	
13	Record of students assignments	Yes, attached with course file	A	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes, attached with course file	B	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Adviso along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
16	Record of academic competitions conducted if any (Quiz, Role play)	no	C	
17	Other Student centric learning Methods	Use of moodle and Whatsapp class group	B	
18	Record of Extension Lectures given	no	-	
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	Yes, attached with course file	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	MTO-I 89%, MTO-II- 86 % , CRE- II - 92%, PDE 100%	A	
22	Record of remedial classes conducted for slow learners	no	-	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Yes	B	
24	Record of Student Projects	Yes	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	no	C	
27	Record of MoUs, if any	no	C	
28	Record of Consultancy work	no	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	no	C	
30	Availability of CDs,Videos	NPTEL lectures disk is available	B	
31	Virtual labs / Open Educational Resources (OERs)	Yes, shown you tube videos for some experiments and theory( attached record)	B	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
	Development of any educational resource	all video links and notes made available on my webpage www.sonalimmhatre.wordpress.com	A	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	no	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes	B	
34	Newspaper clippings or other materials as additional resource	yes, youtube videos	B	
	Any Student team project for Technology Development	no	-	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Asst. Rector, Hostel Dhavalgiri , Chairman ( women research development committee), member (BOS)	A	
36	Record of innovative practices	yes	B	
37	Any outstanding contribution	nil	-	
38	Whether above( related activities )entered in into Departmental Activities Register	yes	A	
39	Maintenance of Departmental Activities Register	yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good, B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	yes	A	
<b>Signature of the Faculty member</b>		<i>matia</i>	<b>Signature of the Head of Department</b>	
Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.				
			<i>Asim Salim</i> <i>20.11.2019</i>	<i>[Signature]</i> <i>20.11.19</i>

Dr. Babasaheb Ambedkar Technological University

Academic Audit of Engineering Colleges

Format - II ( To be filled individually by Faculty Member)

Centre/SubCentre: Dr. BATU. Lonere -  
Campus

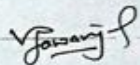
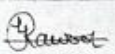
District: Raigad

1	Name of the College and Address	Dr. Babasaheb Ambedkar Technological University, Lonere Raigad. (Department of Petrochemical Engineering)		
2	Name of the Faculty Member	<b>Rawoot Lubna Yunus</b>		
3	Name of the Subject taught during academic year	Elective IV (Lubricants, waxes & Petroleum Speciality chemicals), Chemistry of Petroleum Hydrocarbons, Petrochemical Engineering - I, Elective V (Lubricants, waxes & Petroleum Speciality chemicals)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	23/08/2018	Date of Retirement:	15/06/2019
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment & notes were avialable. As well as videos were shown regarding refinery units	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and Notes prepared	A	



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
10	Coverage of syllabus so far (%)	95%	A	
11	Record of students attendance	available in APR booklet	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	A	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Presentations were conducted for PE-I	B	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Elective IV : 52.5 %, COPH: 37.25%, PE-I: 67.7%	B	
22	Record of remedial classes conducted for slow learners	No	—	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (.Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	C	
30	Availability of CDs,Videos	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impressio of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	No	C	
	Any Student team project for Technology Development	Yes (Methanol blending in Gasoline)	-	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	D	
36	Record of innovative practices	No	-	
37	Any outstanding contribution	No	-	
38	Whether above( related activities )entered in into Departmental Activities Register	-	-	
39	Maintenance of Departmental Activities Register	-	-	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	
<b>Signature of the Faculty member</b>			<b>Signature of the Head of Department</b>	
Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.				

*Atif Salim*  
20.11.2019.

*[Signature]*  
20.11.19

**Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Engineering College  
Format - II ( To be filled individually by Faculty Member)**

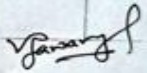
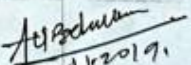
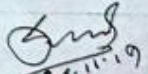
**Centre/SubCentre: Dr. BATU, Lonere -  
Campus**

**District: Raigad**

1	Name of the College and Address	Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad		
2	Name of the Faculty Member	<b>Pradip S. Nande</b>		
3	Name of the Subject taught during academic year 2018-19	Advanced Petroleum Refining (Elective-IV) & Optimization Techniques		
4	Date of Joining in Degree College/Date of Joining in the present Institution	23/08/2018	Date of Retirement.	15/06/2019
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	A	
7	Whether conducting Add on Courses & role in conduct of course	No	B	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in APR	A	
10	Coverage of syllabus so far (%)	90	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
11	Record of students attendance	available in APR	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	A	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	A	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Optimizatio Techniques 98.27 %	A	
22	Record of remedial classes conducted for slow learners	No	—	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
29	Utilization of Departmental Library	No	B	
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized one Month workshop on AutoCAD.	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	B	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	
<u>PS Nande</u> Signature of the Faculty member		 Signature of the Head of Department		
Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.				
			 20/11/2019	 20.11.19

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**

**Format - II ( To be filled individually by Faculty Member)**

**Centre/SubCentre: Dr. BATU, Lonere -  
Campus**

**District: Raigad**

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	<b>Darekar Ashitosh D.</b>		
3	Name of the Subject taught during academic year 2018-19	Process Economics & Project Management, Heat Transfer		
4	Date of Joining in Degree College/Date of Joining in the present Institution	7/5/2018	Date of Retirement:	15/06/2019
<b>S.No.</b>	<b>Activity</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation</b>	<b>Recommendation/Suggestions by Academic Advisors</b>
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and Notes prepaid at the beginning	A	
10	Coverage of syllabus so far (%)	90	A	
11	Record of students attendance	available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes - avialable	A	



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	A	
17	Other Student centric learning Methods	Group presentaion	A	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	—	—	
22	Record of remedial classes conducted for slow learners	No	—	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	B	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes using	B	
30	Availability of CDs,Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impressio . of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
32	Record of Activities conducted to contribute to the students' career opportunities	No		
33	Mentoring / Counselling to students for curricular and co-curricular activities	No		
34	Newspaper clippings or other materials as additional resource	Nil		
	Any Student team project for Technology Development	No		
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No		
36	Record of innovative practices	Nil		
37	Any outstanding contribution	Can't Say		
38	Whether above( related activities )entered in into Departmental Activities Register	Yes		
39	Maintenance of Departmental Activities Register	Yes		
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable		

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<p><b>Signature of the Faculty member</b></p> <p>Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.</p>		<p><b>Signature of the Head of Department</b></p> <p><i>[Handwritten Signature]</i></p>		
		<p><i>[Handwritten Signature]</i> 20.11.2019.</p> <p><i>[Handwritten Signature]</i> 20.11.19</p>		

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: **Dr. BATU, Lonere - Campus**

District: **Raigad**

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	<b>Mr. Palande Siddhesh Vijay</b>		
3	Name of the Subject taught during academic year 2018-19	Materials for Engg. Applications, Process Dynamics & Control, Numerical Methods in Chemical Engg.		
4	Date of Joining in Degree College/Date of Joining in the present Institution	7/5/2018	Date of Retirement:	15/06/2019
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	B	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	-	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and Notes prepaid at the beginning	A	
10	Coverage of syllabus so far (%)	95	A	
11	Record of students attendance	available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - avialable	B	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
14	Record of field trips	No	C	Need improvement
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	A	
17	Other Student centric learning Methods	Group presentaion	A	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	No	C	Need More efforts
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Data not available	-	
22	Record of remedial classes conducted for slow learners	No	-	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (.Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes using	B	
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	

**Student support and progression**

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impressio of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No		
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can't Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	B	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
Signature of the Faculty member		—	Signature of the Head of Department	
Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			Airsachasrabud 20/11/2019.	[Signature] 20.11.19

DR BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE  
 Department of Petrochemical Engineering  
 Student Statistics 2018 - 2019

Sr. No.	Year	Open			Sc			ST			OBC			NT			SBC			JK			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	First	12	4	16	4	3	7	1	0	1	12	5	17	2	0	2	1	0	1	0	0	0	32	12	44
2	Second	23	2	25	9	1	10	2	0	2	19	2	21	7	0	7	3	0	3	0	0	0	63	5	68
3	Third	17	4	21	5	2	7	0	0	0	16	6	22	6	0	6	1	0	1	0	0	0	48	12	60
4	Fourth	21	3	24	11	6	17	2	0	2	22	8	30	6	0	6	0	0	0	0	0	0	208	47	255

*Yanshy P*  
*Aisshulake*  
 20-11-2019

*Sumit*  
 20-11-19



Dr. Babasaheb Ambedkar Technological University				
Academic Audit of Department of Petrochemical Engineering				
Action Taken Report by Head of the Department				
I-COLLEGE PROFILE				
1	Name of the College, Website, email and Ph.No.	Department of Petrochemical Engineering, Dr. BATU- Lonere Campus		
2	Name of the HoD, email & Mob.No	Prof. V.P. Jawanjai, vpijawanjai@dbatu.ac.in, 9423890578		
3	Name of the Vice-Principal, email & Mob. No.	Not applicable		
4	Name of the IQAC Coordinator, email & Mob. No.	Dr.L.N. Singh, lnsingh@dbatu.ac.in, 8087369025		
5	Year of Establishment & own land if any	1989, Yes		
6	NBA accreditation	Not at present	Twice in past i.e in year	
7	NAAC Grade with Cycle, Accredited Year & CGPA (if not Accredited Status of Preparations)	B grade, First cycle 2015.2.35 NAAC executive committee no and date - EC(SC)_05_A&A_083 dated 3-3-2015 Dr Babasaheb Ambedkar Technological University Lonere Raigad		
8	UGC Recognition (2F & 12 B)	Yes		
9	College Working Hours (if shift system mention details of both shifts & give reasons for shift system)	9am -6 pm		
10	No. of Posts Sanctioned:07	Regular Working: 03	Contract Working: 06 Nil	
11	Course wise & Year wise Students strength particulars ( Proforma enclosed & to be submitted along with AAR)	Copy attached.		
II-CURRICULAR ASPECTS				
	Item	Recommendation/Suggestions by Academic Advisor A(Good)/B(Satisfactory)/C (poor) after observation		Action Taken by the HoD
		Grade	Recommendation	
1	Implementation of Annual Institutional Plan	B	Plan was there, record was not there	18-19 record is maintained
2	Departmental Annual Curricular Plans	C	Curricular plan need to be prepared	For 18-19 it is prepared
3	College Activity Register 2017-18	B	Prepared but records not available	Updated for 18-19 and maintained for 19-20.
4	Departmental Activity Registers ( Dept. Wise)	B	Avialable	Maintained
5	Add-on Courses (Department-wise) completed during 2016-17	B	Record of certificated needto be maintained	Record available for 18-19
6	Add-on Courses (Department-wise) in 2017-18	B	Record of certificated needto be maintained	For 18-19 it is available
7	Coverage of Syllabus (Average Percentage)	B	Actual implementaion tobe linked with annual plan	Efforts taken to improve 18-19

*Jan 21*

8	Teaching of Humanities & Foundation Courses	A	Added in academics	
9	No. of New UG & PG Courses introduced this year	NA		
10	Maintenance of Student Attendance Registers	A		
11	Feedback forms on Curriculum from students	A		
<b>III-TEACHING, LEARNING &amp; EVALUATION</b>				
1	Teaching Diaries & Plans in the Prescribed Formats	B	Requires improvement	for 18-19 implemented
2	Co-Curricular Activities ( College Level)	B	Needs enhancement	Steps are taken for improvement
3	Academic Competitions ( College & Above level)	B	Records not available	maintained for 18-19
4	Conduct of Internal Examinations	A	Rubrics needs to be implemented for continuous assessment	Existing processes will be redefined
5	Subject wise result analysis	A		
6	Teacher wise result analysis	A		
7	Remedial Classes	C	Requires attention	More focus on Tutorial Classes
8	Record of Evaluation of Teachers by Students ( Monthly from July)	A		
<b>IV-RESEARCH AND CONSULTANCY</b>				
1	Is the College a Recognized Research Centre	NA		
2	No. of Research Guides in the College	NA	current PHD Professors are not eligible for guiding student	
3	No. of Research Scholars working for Masters & Ph. D	NA		
4	Major/Minor/Other Research Projects	C	Needs attention	Still need attention
5	Research Papers Published in previous academic year ( International /National)	B	Records not available in department	corrected for 18-19
6	Papers Presented in previous academic year ( International /National/ State)	C	Records not available in department	corrected for 18-19
7	Books Published in previous academic year(Single Author/ Co Author)	NA		faculty will be encouraged to generate content
8	Seminars/Workshops/ Training Programmes Conducted in previous academic year( International /National/ State)	B		Improved in 2018-19
9	Record of Consultancy in previous academic year	C	Requires more efforts	Still need more focus
10	Record of MOUs in previous academic year	C	Requires more efforts	Still need more focus
<b>VI-EXTENSION ACTIVITIES</b>				
1	Record of Subject/Department Related Extension Activities	B	Requires more efforts	Point noted
2	Name of the NSS PO & Mobile No.	NA		

*Yamini*

3	NSS Attendance register		NA		
4	NSS activity register		NA		
5	Name of the NCC ANO & Mobile No.		NA		
6	NCC Attendance register		NA		
7	NCC activity register		NA		
8	Name of the Professional Club Coordinator & Mobile No.		C	Requires more efforts	Could not be done
9	Professional Club Activities		C	Requires more efforts	could not be done
10	Name of the Women Empowerment Cell(WEC) Coordinator & Mobile No.		NA		
11	WEC Activities		NA		
12	Name of the Eco-Club Coordinator & Mobile No.		NA		
13	Eco- Club Activities		NA		
14	Name of the Consumer Club Coordinator & Mobile No.		NA		
15	Consumer Club Activities		NA		
16	Any other Club		C	Requires more efforts	Point noted for 2018-19
<b>IV-LEARNING RESOURCE</b>					
1	Name of the Librarian & Mob.No		NA		
2	Access timings of the Library		NA		
3	Circulation of Books among Students		NA	As per feedback from students ,avialability of books are lesser in library	Additional Books recommended for purchase
4	Availability of Previous years Question papers		B	not avialable at department level	Could not be done
5	Record of Visitors		NA		
6	Status of Library Automation		NA		
7	e- Resources & e-Journals		C	Need to be generated	Efforts will be taken through alumni support to improve the scenerio
8	Name of SWAYAM Coordinator & Mob.No		NA		
9	Usage of Internet by students in the Library		B	Internet avialability is a very big issue	point will be communicated to respective authority
10	Status of SWAYAM facilities functioning		NA		
11	Whether SWAYAM schedule is circulated to the students		NA		
12	Maintenance of SWAYAM Viewers' Register		NA		
<b>VII-Student Support Activities</b>					
1	Name of Physical Director & Mob.No		NA		
2	Record of Physical Education Department		NA		

*Janani*

3	Records of events conducted and significant achievements in Sports & Games		C	Data for Department needs to be maintained	Record maintained for 18-19
4	Record of cultural programmes conducted		C	Records need to be maintained	Record maintained for 18-19
5	Record of any other extra-curricular activities conducted		C	Records need to be maintained	Record maintained for 18-19
6	Maintenance of placement facilities & records		NA	Department person to be nominated for placement	point noted
7	Record of Students trained in different verticals				
8	Record of Student trained and placed		C	Placement need to be improved	Special Efforts will be taken
9	Name of Career Guidance Coordinator and Mob.No		NA		
10	Record of activities Career Guidance and placement cell		NA		
11	Name of Dept Review Committee Coordinator & Mob. No.		C	Department has to form DRC	Could not be done
12	Implementation of DRC Action Plan		C		
13	IQAC activities & maintenance of records , (Action Plan/Minutes of Meeting/ submission of AQAR to NAAC etc)		NA		
14	Record of Support by Alumni Association		B	Alumni association needs to be registered	Point noted and will be attended
15	Record of Grievance Redressal Cell / Anti Ragging Cell		NA		
16	Mentoring / Counselling System				

*Jan 2018*

VIII-Basic Amenities				
1	Maintenance of drinking water	A	Good Facility	
2	Maintenance of Sanitation	C	Very unhygienic and urgent maintenance required	In better state as on today
3	Rest room for women students	A		
4	Greenery & Cleanliness	A		
5	Health Care Facility	B	Round o clock dedicated person needed	Implemented on university level and functional
6	Canteen	B	canteen requires improvement	In Better state than previous years
IX-GOVERNANCE AND LEADERSHIP				
1	Management Committee Register	NA		
2	Functioning of Committees in Administration (Minutes of Meetings)	NA		
3	Awards/Achievements	C	Requires efforts	Point noted
4	Faculty development initiatives if any	B	requires improvements and records to be maintained	Efforts taken in 2018-19
X - IT INITIATIVES				
1	e-class rooms (Number & Usage)	A	Number to be added	Could not be done
2	Internet Centre	C	Center is avialable .Sufficient Bandwidth not avialability. Poor connectivity	Has improved for 2018-19
3	Computer labs (No. of labs & working systems)	B	No of computers needs to be increased and all softwares are pyreted .Licence copy required	In process as on today
XI-Best Practices				
1	Record of best/innovative practices by the institution	B	Requires improvement. Recoeds need to be maintained	Point noted
2	College Activity Register & Hard Copy of AQAR previous academic year (should be available with the Principal)	B	Details of minutes and meeting to be recorted	available for previous years
3	Over All Impression on the College	B		
	Signature of the Head of Department		<i>Arishah</i> 20/11/2019	<i>Arishah</i> 20/11/19

Dr. Babasaheb Ambedkar Technological University

Academic Audit of Petrochemical Engineering Department  
Format for submission of Academic Advisors Report (AAR)  
Name of The Department:-Petrochemical Engineering

S.No	Item	Grade *	Impression
1	Conduct of Classes	A	
2	Co-Curricular Activities & Extra-Curricular Activities	A	
3	College Activity Register	A	
4	Departmental Activity Registers	A	
5	Discipline in the campus	B	
6	IQAC	NA	
7	Placement	B	
8	Departmental research	C	
9	Career Guidance Cell	C	
10	SWAYAM facilities	B	
11	Library	NA	
12	Research & Laboratories	B	
13	Games & Sports	B	

A. K. Salunke  
20/11/2019.

*[Signature]*

*[Signature]*  
20/11/19

Sl. No.	Item	Grade *	Impression
4	Humanities and Foundation Courses	A	
15	Teacher Evaluation by Students	A	
16	Maintenance of Registers	B	
17	Teaching Diaries & Plans	B	
18	NCC / NSS	NA	
19	Women Empowerment Cell	NA	
20	Professional Club	C	
21	Sanitation & drinking water	B	
22	Cleanliness	B	
23	Functioning of Teachers	B	
24	Over All Impression on the College	B	
25	Any Other important Observation		

\* A(Good)/B( Satisfactory)/C (poor)

Signatures of Academic Advisors

1  
2

*[Signature]*  
20.11.19  
*[Signature]*  
20.11.2019.

**Academic Audit Summary Sheet: Petrochemical Engineering Department**

**Institution:** Dr. babasaheb Ambedkar Technological University Lonere -Raigad

**Program Title(s):** B.Tech. in Petrochemical Engineering

**Academic Audit Status:** Present one 2018-19 (20/11/2019)

First Academic Audit 14-15 & 15-16 (16/11/2016)

Second Academic Audit 16-17 (31/07/2017)

Third Academic Audit 2017-18 (05/02/2019)

Each undergraduate program undergoes either an academic audit or external peer review.

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

A check-mark should be placed in the appropriate box to indicate whether a program has "met" or "not met" each criterion in the table. If the % is less than 50% of the target value then the program has not met the objective of the Program.

If a particular criterion is inappropriate or not applicable to the program, the criterion should be marked "NA".

When combined with the self-study and the written report prepared by the visiting team, the Summary Sheet will facilitate institutional development of a program action plan to ensure continuous quality improvement.

**AUDIT TEAM**

**Name** Prof. Suyog V Taralkar

**Name** Shri Avinash R. Shastrabuddhe


**Title** Professor & Head  
Department of Food Technology

**Title** : Senior Manager, Production

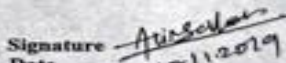
**Institution** : Annasaheb Dange College of  
Engineering and Technology Sangli

**Industry** : Mahindra CIE Automotive Ltd. Sale  
Mangaon

**Signature**  
**Date**

  
20.11.2019

**Signature**  
**Date**

  
20.11.2019



**Academic Audit Summary Sheet: Petrochemical Engineering Department**

**Institution:** Dr. Babasaheb Ambedkar Technological University Lonere -Raigad  
**Program Title(s):** B.Tech. in Petrochemical Engineering  
**Academic Audit Status:** Present one 2017-18 (09/02/2019)  
First Academic Audit 14-15 & 15-16 (16/11/2016)  
Second Academic Audit 16-17 (31/07/2017)

Each undergraduate program undergoes either an academic audit or external peer review.

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

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**AUDIT TEAM**

**Name** Prof. Suyog V Taralkar

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**Title** Professor & Head  
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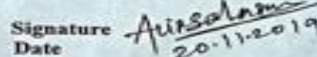
**Institution** : Annasaheb Dange College of  
Engineering and Technology Sangli

**Industry** : Mahindra CIE Automotive Ltd. Sale  
Mangaon

**Signature**  
**Date**

  
20-11-2019

**Signature**  
**Date**

  
20-11-2019

### Academic Audit Summary Sheet

Institution/University Department: Petrochemical Engineering  
 Program Title: B.Tech in Petrochemical Engineering  
 Degree Level: Undergraduate Program  
 Academic Audit Status: current 2017-18 (09/02/2019)  
 First Academic Audit 2014-15& 2015-16 (On 16/11/2016)  
 Second Academic Audit 2016-17 (31/07/2017)

#### Evaluation Results

		Met/not met	% achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member has prepared Course Files as per the learning objectives of the program	Met	70
1.2	The Faculty member has shared his course file with the students of the class through Intranet/ Social media or any other means	Not Met	40
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	Not Met	40
<b>2</b>	<b>CURRICULUM AND CO-CURRICULUM</b>		
2.1	The faculty member collaborated with other faculty members for effective design, sequence of courses and delivery of course for improvements and documented these efforts appropriately	Met	60
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	Not Met	30
2.3	The faculty member documented a plan for review of curriculum and co-curriculum comparing those with the best practices elsewhere or in best institutes	Not Met	35
<b>3</b>	<b>TEACHING AND LEARNING PROCESSES</b>		
3.1	The faculty member analyzed his/her own methods for improving teaching and learning throughout the program and practiced them.	Met	75
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieve the learning objectives.	Met	75
	The faculty member developed materials for achieving student mastery of learning objectives.	Met	70
<b>4.0</b>	<b>STUDENT LEARNING ASSESSMENT</b>		
4.1	The Faculty member has announced the method of continuous assessment at the beginning of the course and followed it throughout.	Met	70
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	Met	70
4.3	The faculty member has documented assessments of student learning	Met	65

4.4	The faculty member has developed measurable indicators of student learning success	Not Met	30
4.5	The faculty member has developed and documented a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	Not Met	30
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	Met	75
4.7	The students are challenged enough to use their knowledge creatively	Met	65
5.0	<b>QUALITY ASSURANCE</b>		
5.1	There is an existing process in the Institute to understand the parameters of quality of teaching and learning processes	Met	70
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	Met	65
5.3	There is commitment to making continuous quality improvements in the program a top priority	Met	70
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	Met	70
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	Met	65
5.6	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	Not Met	50
6	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	Met	65
6.2	The Academic Audit process (self-study and visit) included descriptions of the program's quality processes including all five focal areas.	Met	55
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	Met	75
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	Met	80
6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	Met	85
7	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	Met	50
7.2	There is documented evidence that recommendations made by the previous Academic Audit Team have been considered and, when feasible and appropriate, implemented and tracked.	Met	60
7.3	There is documented evidence that the program has been implemented and tracked the progress of and use of results from improvement initiatives cited by the faculty its self-study.	Met	50
8	<b>SUPPORT</b>		

8.1	The program regularly evaluates its library, equipment and facilities, encouraging necessary improvements within the context of overall college resources.	Met	65
8.2	The program's operating budget is consistent with the needs of the program.	Met	60
8.3	The program has a history of enrolment rates sufficient to sustain high quality and cost-effectiveness.	Met	60
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	Met	65
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	Not Met	40
8.6	The Program has a history of generating support from industries and alumni to sustain itself.	Not Met	40

**Department of Petrochemical Engineering**  
**Academic Audit Report 2019-2020**

## Table of Content

<b>Sr. No</b>	<b>Title</b>
01	Department Data
02	Academic Audit Faculty Data Sheet
03	Student Strength Particulars
04	Action Taken Report
05	Academic Advisors Report
06	Academic Auditors Report
07	Academic Audit Summery Sheet

<b>Dr. Babasaheb Ambedkar Technological University</b>			
<b>Academic Audit of Department of Petrochemical Engineering</b>			
<b>Petrochemical Engineering Department Data 2019-2020</b>			
<b>Name of the University Department:-Petrochemical Engineering</b>			<b>Period of Audit: 2019-2020</b>
<b>I - DEPARTMENT PROFILE</b>			
1	Name of the University Department, Website, email and Ph. No.	Department of Petrochemical Engineering, www.dbatu.ac.in, vpjawanjal@dbatu.ac.in, 9423890578	
2	Name of the HoD, email & Mob. No	Prof. V. P. Jawanjal, vpjawanjal@dbatu.ac.in, 9423890578	
3	Name of the Vice-Principal, if any, email & Mob. No.	NA	
4	Name of the IQAC Coordinator, email & Mob. No.	Dr. L. N. Singh, lnsingh@dbatu.ac.in, 8087369025	
5	Year of Establishment & own land if any	1989, Yes	
7	NBA accreditation of courses	Not at Present, accredited twice in the past i.e.,2003-2006, 2007-2012	
8	NAAC Grade with Cycle, Accredited Year & CGPA ( Status of preparation if not Accredited)	B Grade, 1 <sup>st</sup> Cycle, 2015, 2.35 NAAC Executive Committee No. & Date- EC(SC)_05_A&A_083 dated 3-3-2015-Dr. Babasaheb Ambedkar Technological University, Lonere-Maharashtra	
9	UGC Recognition (2F & 12 B)	Yes	
10	Department Working Hours( if shift system mention details of both shifts & give reasons for shift system)	9.00 A.M. TO 6.00 P.M.	
11	No. of Posts Sanctioned: 07	Regular Faculty Working: 03	Contract Faculty Working:06 Visiting Faculty: Nil

\*: Prepared for Academic Year 2019 - 2020

<b>II - CURRICULAR ASPECTS</b>				
	<b>Item</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation</b>	<b>Recommendation/Suggestions by Academic Advisors</b>
12	Implementation of Annual Departmental Plan	Annual Department Plan was prepared well before start of Academic Year	A	If any changes in plan forwarded/ Communicated to students in advance.
13	Departmental Annual Curricular Plans	Yes, Department Plan was prepared including different departmental activities	A	
14	Whether the above two circulated among Students?	Displayed on department notice board & forwarded to student official WhatsApp group.	B	Create Email ID of all students (individual)
15	Department Activity Register during the academic year	Department has separate registers for department activity, guest lectures and department meetings.	A	Separate Registrar is maintain as record – Add students number in register.
16	Department Calendar/Department Magazine	Yes, Forwarded to all staff & faculty	B	

\*: Prepared for Academic Year 2019 - 2020



17	Add-on Courses (Department-wise) completed during previous year	Yes, Faculty have undergone add on courses recommended by SWYAM and NPTEL (Record maintained)	B	Signature on document
18	Add-on Courses (Department-wise) during current academic year 2019-20	Yes, Faculty have undergone for courses from NPTEL and SWYAM Platform. (Record maintained)	B	
19	Coverage of Syllabus (Average Percentage)	Approximately 95%	A	Should maintain always
20	Teaching of Humanities and Foundation Courses	Implemented as per guidelines by UGC/AICTE at First Year and Second Year of Engineering.	A	
21	No. of New UG & PG Courses introduced this year:	Final Year syllabus is revised in Academic Year 2019-2020.	A	
22	Maintenance of Student Attendance Registers	Yes, It is maintained through Annual Progress Record (APR) by Individual Faculty.	A	

\*: Prepared for Academic Year 2019 - 2020

<b>III - TEACHING, LEARNING AND EVALUATION</b>				
23	Teaching Diaries & Teaching Plans in Prescribed Formats	Teaching plan are prepared and submitted to head at the start of semester and course files are maintained by individual faculty members.	A	Well maintained
24	Co-Curricular Activities ( Department level)	Different activities through PESA (Petrochemical Engineering Student Association) are conducted at department level.	B	To increase once pandemic condition is over
25	Academic Competitions ( University Level & Above)	Yes, participation in Avishkar & events organized by institutes like IIT, NIT, MIT etc.	B	To increase once pandemic condition is over.
26	Conduct of Internal Examinations-Unit, Half-Yearly and Pre final	Internal exams [Test-I, Mid Sem and Test-II] are conducted by individual faculty and record is available. Semester exams are conducted by exam section.	A	
27	Subject wise result analysis	Analysis done by individual faculty and then combined together. Record is available.	A	

\*: Prepared for Academic Year 2019 - 2020

28	Teacher wise result analysis	Yes, record is available.	A	As it is online difficult to analyzed outcome based
29	Remedial Classes	Earlier conducted under UGC and TEQIP-2 but not at present. Subject wise tutorial classes are conducted & records are available with individual faculty.	B	Remedial classes conducted as tutorial class.
30	Record of Evaluation of Teachers by Students	At the end of every semester feedback is collected, analyzed and shared with respective faculty. Record is available.	A	Students record to be attached or reference to be given.
<b>IV - RESEARCH AND CONSULTANCY</b>				
31	Is the Department a Recognized Research Centre	No.	C	Research component need to improve
32	No. of Research Guides in the Department	Nil - for Ph.D. program. However, all three regular teachers are Guides for M. Tech Program in Chemical Engg.	C	Should register as Ph.D. guide (if eligible)

33	No. of Research Scholars working for Masters & Ph. D	NA	-	
34	Major/Minor/Other Research Projects	Nil	-	Should apply for DST, CSIR for funds
35	Research Papers Published in previous academic year (International/ National )	Yes (by Prof. S.S. Metkar)	B	Need to improve
36	Papers Presented in previous academic year(International/ National/ State )	Yes (by Prof. S.S. Metkar)	B	Need to improve
37	Books Published in previous Academic year ( Single Author/ Co Author)	Nil	B	E – content available

38	Seminars/Workshops/ Training Programme Conducted (International/ National/ State )	Yes  1. One week STTP on 'Integrated Approach towards Water Processing and Management' coordinated by Dr. S. S. Metkar  2. 2-Day workshop for Industry Professionals on 'Wastewater Management' coordinated by Dr. S. M. Mhatre	A	Other faculty also should conduct similar program
39	Record of Consultancy in previous academic year	No	-	Should contact industry for small projects
40	Record of MoUs in previous academic year	Nil	-	Should contact industry /Institution for MoUs as a collaboration
<b>V - EXTENSION ACTIVITIES</b>				
41	Record of Subject/Department Related Extension Activities	Nil	C	Social activities nearby villages can be done – solving small problems of villages (education)

42	Name of the NSS PO & Mobile No.	Dr. H. N. Warahtkar, 9403316374	A	
43	NSS Attendance Register	Maintained at University Level	A	Records at university level. One copy should be maintain at department level.
44	NSS Activity Register	Maintained at University Level	A	
45	Name of the NCC ANO & Mobile No.	Dr. M. P. Bhagat, 7588265601	A	
46	NCC Attendance register	Maintained at University Level	A	
47	NCC activity register	Maintained at University Level.	A	
48	Name of the professional Club Coordinator & Mobile No.	No	-	
49	Professional Club Activities	No	-	
50	Name of the Women Empowerment Cell (WEC) Coordinator & Mobile No.	Prof. S. P. Dhongade Mobile No. 9970748646	B	One copy should be maintained at department level
51	WEC Activities	Activities are conducted at University level.	B	One copy should be maintained at department level

\*: Prepared for Academic Year 2019 - 2020

52	Name of the Eco-Club Coordinator & Mobile No.	Dr. R. P. Kate ,9420057789	B	Keep one copy as records at department level.
53	Eco- Club Activities	Conducted through Nature club at University Level	B	
54	Name of the Consumer Club Coordinator & Mobile No.	Shree. Suresh Lad Mobile No. 9975254439. Dr. S. S. Metkar, Mobile No. 8600172102.	A	
55	Consumer Club Activities	Established at University level. Employee Society, Departmental Store and Xerox facilities are monitored by consumer club. Dr. S. S. Metkar is the member.	A	
56	Any other Club	Yes, activities are conducted at University Level. Dr. V. S. Sargade is the University Coordinator Dr. S. S. Metkar is the coordinator of artist club of University.	A	

<b>VI - LEARNING RESOURCES</b>				
57	Name of the Librarian & Mob. No	Shree. S. P. Vaidya, 94233382280	A	Record to be maintained at department level
58	Access timings of the Library	9.30 Am to 5.30 PM. on working days. The library hours are extended during the time of final examinations.	A	
59	Circulation of Books among Students	LIBMAN (Library Software) is used for circulation transaction. Library also runs book bank scheme sponsored by the Govt. of Maharashtra. <a href="http://dbatulibrary/opac">http://dbatulibrary/opac</a> or <a href="http://172.16.5.238/opac">http://172.16.5.238/opac</a> online public access catalogue is used.	A	
60	Availability of Previous years Question papers	Question bank is provided to exam section and available with individual Faculty.	A	
61	Record of Visitors	Maintained by University Library. The library is having open access.	A	



62	Status of Library Automation	The library is partially computerized with the help of LIBMAN (Library Software). The circulation transaction, Barcode generation, No dues certificates, Reminder etc. work is carried out with the help of this software.	A	Some proof to be made available at department level.
63	e-Lessons & e-Resources/ e-Journals	Various Journals and Resources are subscribed and available online.	A	
64	Usage of Internet by students in the Library	Library has separate computer section around 20 computers are available with internet connectivity for students for accessing online journals and e-books.	A	
65	Name of SWAYAM Coordinator & Mob. No	Dr. R. S. Pawade, 8698559938	A	
66	Status of SWAYAM facilities functioning	University is recognized as an ACTIVE Local Chapter. EduSat hall is used.	A	

67	Whether SWAYAM schedule is circulated to the students	Yes, it is circulated by Dr. R. S. Pawade and Dr. S .L. Nalbalwar	A	
68	Maintenance of SWAYAM Viewers' Register	Partially maintained at University Level by concerned coordinator.	B	Records to be maintained
<b>VII - STUDENT SUPPORT ACTIVITIES</b>				
69	Name of the Physical/Sports Director & Mob.No	Dr. P. B. Lokhande, 8600674584	A	
70	Record of Physical Education/Sports Department	Record is maintained at University level.	B	
71	Records of events conducted	Departmental students' participation record maintained at Departmental level. Prof. Abhhishek Saxena is the coordinator.	B	
72	Records of significant achievements in Sports & Games	List of winners from Petrochemical Department in Sports events is available. Detailed Record is maintained at Departmental level.	B	

73	Record of Cultural programmers conducted	-	-	Online can be conducted
74	Record of any other extra-curricular activities conducted	Departmental student's participation record is maintained.	B	Point wise separate record to be maintained
75	Maintenance of Placement Cell facilities & records	Detailed record is maintained at University level. Dr. S.S. Metkar is the Departmental training and placement coordinator.	B	
76	Record of Student trained and placed	02 Students were placed through campus whereas 50% students are placed by off campus placement at the end of December 2020.	B	On campus placement should improved
77	Name of Career Guidance Cell Coordinator & Mob. No	Prof. V. P. Jawanjal, 9168219246 Prof. S. S. Metkar, 8600172102 Dr. S. M. Mhatre, 9970748646	A	
78	Record of activities Career Guidance	Department level General Aptitude and Group Discussion were arranged. Record is available.	B	Record not available in proper file. Need to improve outside faculty should arrange for guidance.

\*: Prepared for Academic Year 2019 - 2020

79	Departmental Review Committee (DRC) Coordinator & Mob. No.	Prof. V. P. Jawanjal, 9168219246	A	
80	Implementation of DRC Action Plan	Nil	B	Not done due to pandemic
81	IQAC activities & maintenance of records , (Action Plan/Minutes of Meeting/Proof of submission of AQAR to NAAC/Activity register etc)	IQAC at University level is in place	B	To be maintained at department level
82	Record of Support by Alumni Association	Informal Alumini Association is placed at Departmental level. Alumni are also the member of Departmental Industry Academia Advisory Committee.	B	Alumni support record should be maintained.
83	Record of Grievance Redressal Cell / Anti Ragging cell	Disciplinary committee and University Women Grievance cell are in place at University Level. Dr. S. S. Metkar is representing at University level	A	

84	Record of Anti Ragging cell	In placed at University level. Dr. S. M. Mhatre is representing at University Level	A	
<b>VIII - BASIC AMENITIES</b>				
85	Maintenance of drinking water	Water coolers with adequate filtration facility are available	B	System should be in place as it is related to personal hygiene.
86	Maintenance of sanitation	Maintained by University.	B	
87	Rest room for women students	Available at University level on the ground floor	B	
88	Greenery	Maintained at University Level by Estate section	B	
89	Cleanliness	Maintained at University Level by Estate section	B	
90	Health Care Facility	Available in University campus. Dr. S. M. Mhatre is the Coordinator.	B	
91	Canteen	Canteen is available to students and faculties.	-	

<b>IX - GOVERNANCE AND LEADERSHIP</b>				
92	Management Committee Register	Maintained at University level	B	
93	Functioning of Committees in Administration ( Minutes of meetings)	Minutes of BoS is maintained by Chemical Engg. Department	B	
94	Awards/Achievements	Prof. Lubna Rawoot got Gold Medal for Academic Excellence in M.Tech Chemical Engineering.	A	
95	Faculty development initiatives if any	Faculties encourage to attend workshops, STTP's & FDP's. Record is available.	A	Well maintained
<b>X - IT INITIATIVES</b>				
96	E-Class rooms ( Number & Usage)	LH 001 is in place and in use.	A	
97	Internet Centre	Leased Line from BSNL of 1Gbps Accessed through centralized facility (2 Servers) at University level.	A	

98	Computer labs (No. of labs & working systems)	15	A	
<b>XI - Best Practices</b>				
99	Record of best/innovative practices by the Department	02 days Induction Program is conducted for new students.	B	More innovative practice to be implemented
100	Department Activity Register & Hard Copy of AQAR of previous year (should be available with the Principal)	Available at Department level	A	
	<p><i>[Signature]</i> Signature of the HoD</p> <p><i>[Signature]</i> 22/10/2021</p>	<p>1. <i>[Signature]</i> 22/10/21</p> <p>2. <i>[Signature]</i> 22/10/21</p> <p>3. <i>[Signature]</i> (Dr. S. R. Satpute)</p> <p>Signatures of Academic Advisors</p>	<p>Maresh Purohit</p> <p>S. H. Gharat</p>	

\*: Prepared for Academic Year 2019 - 2020

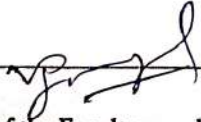
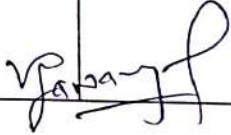
**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU.  
 Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad		
2	Name of the Faculty Member	Vasant P. Jawanjal		
3	Name of the Subject taught during academic year 2019-20	Chemical Process Calculation ,Chemical Engineering Thermodynamics - II, Petrochemical Engineering -III, Chemical Engineering Thermodynamics -I		
4	Date of Joining in Degree College/Date of Joining in the present Institution	26/09/1993	Date of Retirement:	26/06/2027
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	available	B	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - avialable	B	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	A	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	CPC -63% , CET-II- 77%, CET-I - 100%,PE-III-99%	A	
22	Record of remedial classes conducted for slow learners	NA	NA	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	
30	Availability of CDs, Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	B	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can't Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	
				
	<b>Signature of the Faculty member</b>			<b>Signature of the Head of Department</b>
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			


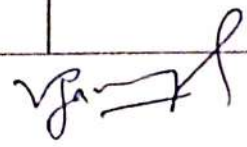
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Centre/SubCentre: Dr. BATU.  
 Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Sangeeta S. Metkar		
3	Name of the Subject taught during academic year 2019-20	Chemical Reaction Engg.-I, Numerical Methods and Computer Programming, Chemical Reaction Engg.-II, Process Dynamics and Control		
4	Date of Joining in Degree College/Date of Joining in the present Institution	8/5/2004	Date of Retirement:	30/11/2038
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	and evaluation made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment and notes are available. Videos were shown regarding	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	Feed back is collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepared at the beginning	A	
10	Coverage of syllabus so far (%)	100%		
11	Record of students attendance	Yes, available, attached in course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes, available, attached in course file	B	
14	Record of field trips	Yes, available	A	
15	Record of student seminars conducted	Yes, available, attached in course file	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes	B	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	Yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
20	Record of internal examinations and University Exams	Yes - Internal Examination record is available. University exam. record is with Examination Section	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	A	
22	Record of remedial classes conducted for slow learners	No	NA	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Yes, available	A	
24	Record of Student Projects	Yes, available	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes, available	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	NA	NA	
30	Availability of CDs,Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	Yes, relevant you tube videos are shown and discussed with the students.	B	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	
34	Newspaper clippings or other materials as additional resource	Yes	A	
	Any Student team project for Technology Development	Characterizaion of Turmeric leaves for Ayurvedic Utilization	B	
<b>Governance and Leadership</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
35	Record of additional administrative responsibilities performed	Yes, member of different University Committes	A	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can't Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Available	A	
	 Signature of the Faculty member		 Signature of the Head of Department	
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU.  
Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Dr. Sonali M Mhatre		
3	Name of the Subject taught during academic year 2019-20	MTO-I, MTO -II, PDE-I, PDE-II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	17/07/13	Date of Retirement:	31/05/1938
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes, attached with course file	A	
6	Curriculum enrichment / Value addition	Yes	A	
7	Whether conducting Add on Courses & role in conduct of course	no	C	
8	Feedback from students	yes, on departmental level	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, attached with course file	A	
10	Coverage of syllabus so far (%)	almost 100 %	A	
11	Record of students attendance	Yes, attached with course file	B	
12	Use of ICT - PPT & Audio-video Aids	Yes, mentioned in course file and available in google classroom	A	
13	Record of students assignments	yes, Course file and GOOGLE classroom	B	
14	Record of field trips	no	C	
15	Record of student seminars conducted	yes, departmental Level	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	no	C	
17	Other Student centric learning Methods	Yes, use of google class and whatsapp groups for teaching learning process	A	
18	Record of Extension Lectures given	no	C	
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	MTO-I, MTO -II, PDE-I, PDE-II	B	
22	Record of remedial classes conducted for slow learners	no	NA	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	no	C	
24	Record of Student Projects	yes, departmental Level	B	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	no	C	
27	Record of MoUs, if any	no	C	
28	Record of Consultancy work	no	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	not available	NA	
30	Availability of CDs,Videos	in University Library	B	
31	Virtual labs / Open Educational Resources (OERs)	yes	B	
	Development of any educational resource	ppts and videos made available to students	B	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	no	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes	B	
34	Newspaper clippings or other materials as additional resource	yes	B	
	Any Student team project for Technology Development	no	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	yes, record available with department	A	
36	Record of innovative practices	no	C	
37	Any outstanding contribution	can't say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	yes	A	
39	Maintenance of Departmental Activities Register	yes	A	

S.No.	Activity	Status ( Give Details, not just Ycs/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences		B	
	Signature of the Faculty member	<i>Mhale</i>		<i>V. J. ...</i> Signature of the Head of Department
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
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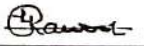

Centre/Sub Centre: Dr. BATU.  
Lonere - Campus

District:

Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Rawoof Lubna Yunus		
3	Name of the Subject taught during academic year	Odd Sem: Petrochemical Engineering II (BTPCC505), Elective VII (Advanced Petroleum Refining PC705), Petrochemical Synthesis Lab (PC709), Mass Transfer Operations I lab (BTCHL508) Even Sem: Petrochemical Engineering-I (BTPCC406), Elective III (Heat Transfer Equipment Design), Petrochemical Engineering-I Lab (BTPCL412)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	16-07-2019	Date of Retirement:	31-05-2020
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisor
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment & notes were made available. As well as videos were shown regarding different topics	A	
7	Whether conducting Add on Courses & role in conduct of course	no	C	
8	Feedback from students	feedback collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	yes, available in course file	A	
10	Coverage of syllabus so far (%)	100% in odd sem & 70% in even sem	A	
11	Record of students attendance	yes, available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	no	C	
13	Record of students assignments	yes	A	
14	Record of field trips	no		
15	Record of student seminars conducted	yes	A	
16	Record of academic compenitions conducted if any (Quiz, Role play)	no	C	
17	Other Student centric learning Methods	google classroom for sharing notes	B	
18	Record of Extension Lectures given	nil	C	
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	Internal exam record is available.	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	PE II: 100%, MTO I Lab: 100%, PS Lab: 100%, PE I: 100 %, HTED: 71.4%, APR: 84.48% PE-I Lab: 100%	A	
22	Record of remedial classes conducted for slow learners	no	NA	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	no	C	
24	Record of Student Projects	yes	B	
25	Record of seminars / workshops attended / organized /Papers presented	yes	A	
26	Record of extension work undertaken	nil	C	
27	Record of MoUs, if any	nil	C	
28	Record of Consultancy work	nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	nil	C	
30	Availability of CDs, Videos	nil	C	
31	Virtual labs / Open Educational Resources (OERs)	not avaiable for Petrochemical Engineering labs	B	
	Development of any educational resource	no	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	no	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes	B	
34	Newspaper clippings or other materials as additional resource	no	C	



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A (Good)/B (Satisfactory)/C (Poor) after Observation	Recommendation/Suggestions by Academic Advisors
	Any Student team project for Technology Development		C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Departmental Exam Co-ordinator, Third year class teacher	A	
36	Record of innovative practices	no	C	
37	Any outstanding contribution	no	C	
38	Whether above( related activities )entered in into Departmental Activities Register	-	C	
39	Maintenance of Departmental Activities Register	-	C	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	yes	A	
	Signature of the Faculty member			
	Signature of the Head of Department			
	Note: the Form is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University**

**Academic Audit of Engineering Colleges**

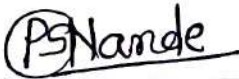
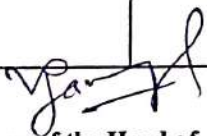
**Format - II ( To be filled individually by Faculty Member)**

**Centre/SubCentre: Dr. BATU. Lonere -  
Campus**

**District: Raigad**

1	Name of the College and Address	Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad		
2	Name of the Faculty Member	Pradip S. Nande		
3	Name of the Subject taught during academic year 2020-21	1. Fluid Flow Operations [BTCHC 303] 2. Process Economics & Project Management [CH 702] 3. Process Design, Flowsheeting & Simulation [CH708] 4. Heat Transfer Operations [BTCHC 403] 5. Process Economics & Project Management [BTCHC 603]		
4	Date of Joining in Degree College/Date of Joining in the present Institution	16-07-2019	Date of Retirement:	31-05-2020
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule is available at the beginning of semester.	A	
6	Curriculum enrichment / Value addition		-	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in Course File	A	
10	Coverage of syllabus so far (%)	More than 90	A	
11	Record of students attendance	Yes, available in Course File	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	No	C	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avalable in Course File	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	1. Fluid Flow Operations [BTCHC 303]-74% 2. Process Economics & Project Management [CH 702]-100% 3. Process Design, Flowsheeting & Simulation [CH708]-100% 4. Heat Transfer Operations [BTCHC 403]-100% 5. Process Economics & Project Management [BTCHC 603]-98.41%		
22	Record of remedial classes conducted for slow learners	No	NA	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	C	
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized 15 days workshop on AutoCAD.	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities Register	Yes	A	

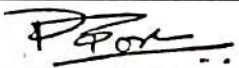

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	
	Signature of the Faculty member			Signature of the Head of Department
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU. Lonere -  
 Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Prajakta Santosh Pore		
3	Name of the Subject taught during academic year	Odd sem-Mechanical Operation (BTCHC304), Mechanical Operation Lab (BTCHL309), Chemical Reaction Engineering lab-I (BTCHL509); Even sem- Plant Utility and Plant Safety(BTCHC 605), Chemical Reaction Engineering lab-II (BTCHL 609)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	16/07/2019	Date of Retirement:	31/05/2020
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Notes were made available. As well as videos were shown regarding different topics	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in course file	A	
10	Coverage of syllabus so far (%)	90	A	
11	Record of students attendance	available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - available	B	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes		
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	Google Classroom		
18	Record of Extension Lectures given	Nil	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Internal examinations record is available	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	MO(50.64%), MO Lab(97.4%), CRE-I Lab(98.41%), PUPS(98.41%), CRE-II Lab(98.41%)	A	
22	Record of remedial classes conducted for slow learners	No	N/A	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes available		
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	C	
30	Availability of CDs,Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	Yes	B	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade	Recommendation/Suggestions by Academic Advisors
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	No	C	
	Any Student team project for Technology Development		-	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Second year Class teacher	A	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	-	-	
39	Maintenance of Departmental Activities Register	-	-	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Available	A	
	<b>Signature of the Faculty member</b>			
	<b>Signature of the Head of Department</b>			
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**



Centre/SubCentre: Dr. BATU,  
Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Dr Sanjay Danao		
3	Name of the Subject taught during academic year	Process Equipment Design & Drawing, Transport Phenomena Mathematical Methods in Chemical Engineering, Entrepreneurship Development Numerical Methods in Chemical Engineering (Practical)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	24-07-2019	Date of Retirement:	31-05-2020
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Prepared and submitted	A	
6	Curriculum enrichment / Value addition	Research Papers, Industry oriented study material	A	
7	Whether conducting Add on Courses & role in conduct of course	Industrial Water Management	A	
8	Feedback from students	Excellent	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Prepared and submitted	A	
10	Coverage of syllabus so far (%)	100%	A	
11	Record of students attendance	Maintained and submitted	B	
12	Use of ICT - PPT & Audio-video Aids	Used a s supportive tools	B	
13	Record of students assignments	Maintained and submitted	B	
14	Record of field trips	CETP Mahad visits	A	
15	Record of student seminars conducted	Done	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	Done	B	
17	Other Student centric learning Methods	Case studies, Videos, Group discussion, Group activities	A	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	Yes	A	
20	Record of internal examinations and University Exams	Done and maintained	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Process Equipment Design & Drawing- 86.20%, Transport Phenomena-100% Mathematical Methods in Chemical Engineering-100%, Entrepreneurship Development-100% Numerical Methods in Chemical Engineering (Practical)-100%	B	
22	Record of remedial classes conducted for slow learners	NA	NA	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	No	C	
24	Record of Student Projects	Yes	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Yes	B	
27	Record of MoUs, if any	NA	C	
28	Record of Consultancy work	NA	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	
30	Availability of CDs,Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	NA	C	
	Development of any educational resource	NA	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized various workshops	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Very well done	B	
34	Newspaper clippings or other materials as additional resource	-	-	
	Any Student team project for Technology Development	Yes	B	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Yes	B	
37	Any outstanding contribution	Industry oriented activities	A	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Yes	-A	
	 <b>Signature of the Faculty member</b>	Dr Sanjay Danao		 <b>Signature of the Head of Department</b>
	Note: the Fomnat is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

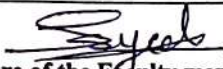
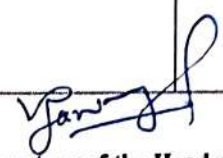
**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: **Dr. BATU, Lonere - Campus**

District: **Raigad**

1	Name of the College and Address	Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad		
2	Name of the Faculty Member	Sheraj Z. Sayyed		
3	Name of the Subject taught during academic year 2020-21	1. Elective - VIII [Pollution Control in Process Industries] [CH706] 2. Process Instrumentation and Control Lab [CH 707] 3. Process Equipment Design and Drawing [CH 704] 4. Heat Transfer Operations Lab [BTCHL 708] 5. Elective – XI [Introduction to Polymer Science & Engineering] [CH 803]		
4	Date of Joining in Degree College/Date of Joining in the present Institution	16-07-2019	Date of Retirement:	31-05-2020
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule is available at the beginning of semester.	B	
6	Curriculum enrichment / Value addition		C	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes	A	
10	Coverage of syllabus so far (%)	More than 90	A	
11	Record of students attendance	Yes, available in APR	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	No	C	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	1. Elective - VIII [Pollution Control in Process Industries] [CH706] -100 % 2. Process Instrumentation and Control Lab [CH 707] - 100% 3. Process Equipment Design and Drawing Lab [CH 704]-87.93 % 4. Heat Transfer Operations Lab [BTCHL 408] - 100% 5. Elective – XI [Introduction to Polymer Science & Engineering] [CH 803] - 100%		
22	Record of remedial classes conducted for slow learners	No	NA	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	NA	
30	Availability of CDs,Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No		
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	Nil	NA	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	
	 Signature of the Faculty member		 Signature of the Head of Department	
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

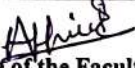

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU. Lonere -  
 Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad		
2	Name of the Faculty Member	Abhishek K. Saxena		
3	Name of the Subject taught during academic year 2020-21	1. Elective-I [Green Technology] [BTCHE 306] 2. Fluid Flow Operations Lab [BTCHL 308] 3. Elective-II Chemistry of Petroleum Hydrocarbons [BTCHE 506] 4. Petrochemical Engineering Laboratory - II [BTCHL 510] 5. Mass Transfer Laboratory - II [BTCHL 608] 6. Elective III [Catalyst Science and Technology] [BTCHE 606] 7. Elective - X [Disaster Management in Chemical Industries] [CH 802]		
4	Date of Joining in Degree College/Date of Joining in the present Institution	16-07-2019	Date of Retirement:	31-05-2020
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule is available at the beginning of semester.	A	
6	Curriculum enrichment / Value addition		-	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes	A	
10	Coverage of syllabus so far (%)	More than 90	A	
11	Record of students attendance	Yes, available in APR	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	No	C	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	1. Elective-I [Green Technology] [BTCHE 306] -92.20 % 2. Fluid Flow Operations Lab [BTCHL 308] - 97.40 % 3. Elective-II Chemistry of Petroleum Hydrocarbons [BTCHE 506] - 98.41 % 4. Petrochemical Engineering Laboratory - II [BTCHL 510]- 98.41% 5. Mass Transfer Laboratory - II [BTCHL 608] - 98.41% 6. Elective III [Catalyst Science and Technology] [BTCHE 606]-100% 7. Elective - X [Disaster Management in Chemical Industries] [CH 802] -100 %		
22	Record of remedial classes conducted for slow learners	No	NA	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	NA	
30	Availability of CDs, Videos	No	NA	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	Nil	-	
37	Any outstanding contribution	No	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	
	 Signature of the Faculty member		 Signature of the Head of Department	
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Degree Colleges**  
**Format for Student Strength Particulars**

Zone :

District : Raigad

Date of Audit: 22/10/2021

Year- 2019-20

Name of the College, Place : Dr. Babasaheb Ambedkar Technological University, Lonere, Department of Petrochemical Engineering

SL No	GROUP	COMBINATION	YEAR	SANCTIONED STRENGTH	ADMITTED STRENGTH																		
					Total MEN	Total WOMEN	TOTAL	SC (M)	SC (W)	ST (M)	ST (W)	NT/DT (M)	NT/DT (W)	OBC (M)	OBC (W)	TFWS (M)	TFWS (W)	OPEN (M)	OPEN (W)	VJNT (M)	VJNT (W)	SBC (M)	SBC (W)
1	UG	Petrochemical	I	60+3	29	9	38	5	1	0	0	3	2	7	3	0	0	10	2	1	0	3	1
2	UG	Petrochemical	II	63+15	64	12	76	7	3	1	0	3	0	24	5	0	0	28	4	0	0	1	0
3	UG	Petrochemical	III	63+15	63	5	68	9	1	1	1	0	0	19	2	0	0	23	2	7	0	3	0
4	UG	Petrochemical	IV	63+15	47	12	59	4	2	0	0	1	0	17	5	3	0	16	5	5	0	1	0

*Aspetkae*

*Yanah*



**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Department of Petrochemical Engineering**  
**Action Taken Report by Head of the Department(ATR)**

I - DEPARTMENT PROFILE				
1	Name of the University Department, Website, email and Ph. No.	Department of Petrochemical Engineering ,Dr.BATU- Lonere Campus		
2	Name of the HoD, email & Mob.No	Prof. V.P. Jawanjale, vpjawanjale@dbatu.ac.in, 9423890578		
3	Name of the Vice-Principal, email & Mob. No.	Not applicable		
4	Name of the IQAC Coordinator, email & Mob. No.	Dr.L.N. Singh,lnsingh@dbatu.ac.in, 8087369025		
5	Year of Establishment & own land if any	1989 , Yes		
6	NBA accreditation	Not at present, Accreditation twice in the past i.e 2003-2006, 2007-2012		
7	NAAC Grade with Cycle, Accredited Year & CGPA ( if not Accredited Status of Preparations)	B grade, First cycle 2015.2.35 NAAC executive committee no and date - EC(SC)_05_A&A_083 dated 3-3-2015 Dr Babasaheb Ambedkar Technological University Lonere Raigad		
8	UGC Recognition (2F & 12 B)	Yes		
9	College Working Hours( if shift system mention details of both shifts & give reasons for shift system)	9.00 a.m. - 6.00 p.m.		
10	No. of Posts Sanctioned: 07	Regular Working: 03	Contract Working: 06 Guest Working: Nil	
11	Course wise & Year wise Students strength particulars ( Proforma enclosed & to be submitted along with AAR)	Copy attached.		
II - CURRICULAR ASPECTS				
	Item	Recommendation/Suggestions by Academic Advisors A(Good)/B( Satisfactory)/C (poor) after observation		Action Taken by the Head of Department
		Grade	Recommendation	
12	Implementation of Annual Institutional Plan	B	Plan is available	2019-2020 Record is maintained
13	Departmental Annual Curricular Plans	B	Plan need to be more exhaustive	Detailed plan is prepared



14	Whether above two circulated among students	B	Prepared but records not available	Yes
15	Departmental Activity Register during the academic year	A	-	Up to date Maintained
16	Add-on Courses (Department-wise) completed during 2018-2019	B	More motivation for participation and record for the same should be maintained	Partial participation for NPTEL courses by students
17	Add-on Courses (Department-wise) in 2019-2020	A	Record is available	Partial participation for NPTEL courses by students
18	Coverage of Syllabus (Average Percentage)	A	Actual implementation needs to be in lined with plan	
19	Teaching of Humanities & Foundation Courses	A	Present in curriculum	
20	No. of New UG & PG Courses introduced this year:	NA		
21	Maintenance of Student Attendance Registers	A	Maintained	
22	Feedback forms on Curriculum from students	A	In Place	
<b>III - TEACHING, LEARNING AND EVALUATION</b>				
23	Teaching Diaries & Plans in the Prescribed Formats	B	Requires improvement	Maintained
24	Co-Curricular Activities ( Department Level)	B	Needs enhancement	Record is available
25	Academic Competitions ( College & Above level)	B	Records are available	Record is available
26	Conduct of Internal Examinations	A	Rubrics needs to be implemented for constant assesment	Examination papersetting are planned as per the guidelines of Bloom's
27	Subject wise result analysis	A	Available in APR of individual Faculty	
28	Teacher wise result analysis	A	Available	
29	Remedial Classes	B	Tutorials are conducted	Tutorials and online guidance are made available
30	Record of Evaluation of Teachers by Students	A	In place	
<b>IV - RESEARCH AND CONSULTANCY</b>				
31	Is the College a Recognized Research Centre	NA		

32	No. of Research Guides in the College	NA	Faculty is not eligible according to new rules	
33	No. of Research Scholars working for Masters & Ph. D	-	-	
34	Major/Minor/Other Research Projects	C	Needs attainment	Still more focus is required
35	Research Papers Published in previous academic year ( International /National )	B	Improvement is necessary	Partial improvement in place
36	Papers Presented in previous academic year ( International /National/ State )	C	Needs Improvement	Partial improvement in place
37	Books Published in previous academic year(Single Author/ Co Author)	C	-	Faculty are encouraged to generate e-content
38	Seminars/Workshops/ Training Programme Conducted in previous academic year( International /National/ State )	B	-	Significant improvement is observed
39	Record of Consultancy in previous academic year	C	Requires more efforts	Still more focus is required
40	Record of MOUs in previous academic year	C	Efforts need to be put in	Still more focus is required
<b>V - EXTENSION ACTIVITIES</b>				
41	Record of Subject/Department Related Extension Activities	B	Needs to be stream line	Partial improvement in place
42	Name of the NSS PO & Mobile No.	NA		
43	NSS Attendance register	NA	Record available at University level	
44	NSS activity register	NA	Record available at University level	
45	Name of the NCC ANO & Mobile No.	NA		
46	NCC Attendance register	NA	Record available at University level	
47	NCC activity register	NA		
48	Name of the Professional Club Coordinator & Mobile No.	C	Needs to start professional body chapter	Still more focus is required
49	Professional Club Activities	C	-	Still more focus is required
50	Name of the Women Empowerment Cell(WEC) Coordinator & Mobile No.	NA		

51	WEC Activities	NA		
52	Name of the Eco-Club Coordinator & Mobile No.	NA		
53	Eco- Club Activities	NA		
54	Name of the Consumer Club Coordinator & Mobile No.	NA		
55	Consumer Club Activities	NA		
56	Any other Club	NA	-	
<b>VI - LEARNING RESOURCE</b>				
57	Name of the Librarian & Mob.No	NA		
58	Access timings of the Library	NA		
59	Circulation of Books among Students	A	Number of book need to be added through book bank	Every year required books are purchased
60	Availability of Previous years Question papers	A	-	
61	Record of Visitors	NA	Record available at University level	
62	Status of Library Automation	NA	Record available at University level	
63	e- Resources & e-Journals	NA	Record available at University level	Record is avialable
64	Name of SWAYAM Coordinator & Mob.No	NA		
65	Usage of Internet by students in the Library	NA	Record available at University Level	


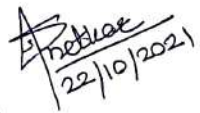
*Yes*

66	Status of SWAYAM facilities functioning	NA	Record available at University Level	
67	Whether SWAYAM schedule is circulated to the students	NA	Record available at University Level	
68	Maintenance of SWAYAM Viewers' Register	NA	Motivation is needed to students to register for SWAYAM platform	Improvement in registration
<b>VII - STUDENT SUPPORT ACTIVITIES</b>				
69	Name of Physical Director & Mob.No	NA		
70	Record of Physical Education Department	NA	Department level In-charge to be appointed	Appointed for 2019-2020
71	Records of events conducted and significant achievements in Sports & Games	B	-	Record is available
72	Record of cultural programmes conducted	B	Records needs to be maintained	Record is available
73	Record of any other extra-curricular activities conducted	A	-	
74	Maintenance of placement facilities & records	B	Department faculty coordinator needs to be appointed	Appointed for 2019-2020
75	Record of Students trained in different verticals	B	Needs Improvement	Record is available
76	Record of Student trained and placed	B	Needs Improvement	Record is placed
77	Name of Career Guidance Coordinator and Mob.No	-	-	Record is available
78	Record of activities Career Guidance and placement cell	C	Records needs to be maintained	Record is available with faculty
79	Name of Dept Review Committee Coordinator & Mob. No.	C	Review committee has to be formed on urgent basis	Review committee is formed
80	Implementation of DRC Action Plan	C	Not Planned	could not be conducted
81	IQAC activities & maintenance of records , (Action Plan/Minutes of Meeting/ submission of AQAR to NAAC etc)	NA	Record available at University level	
82	Record of Support by Alumni Association	B	Needs to be registered	Informal system is in place at department level
83	Record of Grievance Redressal Cell / Anti Ragging Cell	NA		Department faculty are members of these cells at university level
84	Mentoring / Counselling System			Counselling cell is in place

*Yer JP*

VIII - BASIC AMENITIES				
85	Maintenance of drinking water	A	-	
86	Maintenance of Sanitation	B	-	Status improved
87	Rest room for women students	A	-	
88	Greenery	A	-	
89	Cleanliness	B	-	Status improved
90	Health Care Facility	A		
91	Canteen	A		
IX - GOVERNANCE AND LEADERSHIP				
92	Management Committee Register	NA	Record available at University level	
93	Functioning of Committees in Administration ( Minutes of Meetings)	NA	Record available with Chemical Engineering Department	
94	Awards/Achievements	C	Requires efforts	Improvement is observed and record available
95	Faculty development initiatives if any	B	Record Available	Faculties are motivated to conduct,participate STTP,Workshop and NPTEL courses
X - IT INITIATIVES				
96	e-class rooms ( Number & Usage)	A	More usage needed	
97	Internet Centre	C	Needs Improvement	Status improved
98	Computer labs ( No. of labs & working systems)	B	Numbers need to improve	

**XI - BEST PRACTICES**

99	Record of best/innovative practices by the institution	A	-	
100	College Activity Register & Hard Copy of AQAR previous academic year	B	-	Avialable for previous years
	Over All Impression on the Department			
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Signature of the Head of Department</p> </div> <div style="text-align: center;">  <p>22/10/2021</p> </div> </div>				

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**  
**Format for submission of Academic Advisors Report (AAR)**

**Name of the Department: Petrochemical Engineering**

S.No	Item	Grade *	Impression
1	Conduct of Classes	A	
2	Co-Curricular Activities & Extra-Curricular Activities	A	
3	College Activity Register	A	
4	Departmental Activity Registers	A	
5	Discipline in the campus	A	
6	IQAC	NA	
7	Placement	C	
8	Departmental research	B	
9	Career Guidance Cell	B	
10	SWAYAM facilities	B	
11	Library	NA	
12	Research & Laboratories	B	
13	Games & Sports	B	
14	Humanities and Foundation Courses	A	
15	Teacher Evaluation by Students	A	
16	Maintenance of Registers	A	
17	Teaching Diaries & Plans	A	
18	NCC / NSS	NA	
19	Women Empowerment Cell	NA	



S.No	Item	Grade *	Impression
20	Professional Club	C	
21	Sanitation & drinking water	B	
22	Cleanliness	B	
23	Functioning of Teachers	A	
24	Over All Impression on the College	A	
25	Any other important Obervation		

\*A (Good) /B (Satisfactory) /C (Poor)

A

Signature of Academic Advisors

1 MW (Mz. Mahesh Purohit)

2 SR Salpate (Dr S R Salpate)

3 S.H. Gharat (S.H. Gharat)

## Academic Audit Summary Sheet: Petrochemical Engineering Department

**Institution:** Dr. Babasaheb Ambedkar Technological University Lonere-Raigad  
**Program Title:** B. Tech. in Petrochemical Engineering.

**Academic Audit Status:** Present one 2019-2020 and 2020-2021 (22/10/2021)

**First Academic Audit 2014-2015 & 2015-2016 (16/10/2016)**

**Second Academic Audit 2016-2017 (31/07/2017)**

**Third Academic Audit 2017-2018 (09/02/2019)**

**Fourth Academic Audit 2018-2019 (20/11/2019)**

Each undergraduate program undergoes either an academic audit or external peer review.

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

A check-mark should be placed in the appropriate box to indicate whether a program has "met" or "not met" each criterion in the table. If the % is less than 50% of the target value then the program has not met the objective of the Program.

If a particular criterion is inappropriate or not applicable to the program, the criterion should be marked "NA".

When combined with the self-study and the written report prepared by the visiting team, the Summary Sheet will facilitate institutional development of a program action plan to ensure continuous quality improvement.

### AUDIT TEAM

**Name:** Mr. Mahesh Purohit  
**Title:** Sr. Vice President (Work)  
**Industry:** Vinati Organics Ltd. Mahad

**Signature:** 

**Date:** 22/10/2021

**Name:** Dr. Sandip Gharat  
**Title:** Professor  
**Institution:** Gharda Institute of Technology, Lavel Ratnagiri

**Signature:** 

**Date:** 22/10/2021

**Name:** Dr. Satchidanand Satpute  
**Title:** Assistant Head Research,  
**Institution:** Vishwakarma Institute of Technology, Pune

**Signature:**

**Date:** 22/10/2021

### Academic Audit Summary Sheet

**Institution/University Department:** Petrochemical Engineering.

**Program Title:** B. Tech. in Petrochemical Engineering.

**Degree Level:** Undergraduate Program

**Academic Audit Status:** Present one 2019-2020 and 2020-2021 (22/10/2021)

First Academic Audit 2014-2015 & 2015-2016 (16/10/2016)

Second Academic Audit 2016-2017 (31/07/2017)

Third Academic Audit 2017-2018 (09/02/2019)

Fourth Academic Audit 2018-2019 (20/11/2019)

#### Evaluation Results

Sr. No.		Met / not met	% achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member has prepared Course Files as per the learning objectives of the program	M	80
1.2	The Faculty member has shared his course file with the students of the class through Intranet/ Social media or any other means	M	75
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	NM	40
<b>2</b>	<b>CURRICULUM AND CO-CURRICULUM</b>		
2.1	The faculty member collaborated with other faculty members for effective design, sequence of courses and delivery of course for improvements and documented these efforts appropriately	M	70
2.2	The faculty member documented a plan for analysing the course content in terms of achieving program objectives.	M	60
2.3	The faculty member documented a plan for review of curriculum and co-curriculum comparing those with the best practices elsewhere or in best institutes	M	50
<b>3</b>	<b>TEACHING AND LEARNING PROCESSES</b>		
3.1	The faculty member analysed his/her own methods for improving teaching and learning throughout the program and practiced them.	M	70
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieve the learning objectives.	M	70
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	M	60
<b>4</b>	<b>STUDENT LEARNING ASSESSMENT</b>		
4.1	The Faculty member has announced the method of continuous assessment at the beginning of the course and followed it throughout.	M	70
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	M	60

4.3	The faculty member has documented assessments of student learning	M	60
4.4	The faculty member has developed measurable indicators of student learning success	M	75
4.5	The faculty member has developed and documented a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	M	60
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	M	50
4.7	The students are challenged enough to use their knowledge creatively	M	65
<b>5</b>	<b>QUALITY ASSURANCE</b>		
5.1	There is an existing process in the Institute to understand the parameters of quality of teaching and learning processes	M	70
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	M	60
5.3	There is commitment to making continuous quality improvements in the program a top priority	M	80
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	M	80
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	M	75
5.6	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	M	60
<b>6</b>	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	M	80
6.2	The Academic Audit process (self-study and visit) included descriptions of the program's quality processes including all five focal areas.	M	70
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	M	80
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	M	85
6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	M	75
<b>7</b>	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	M	80
7.2	There is documented evidence that recommendations made by the previous Academic Audit Team have been considered and, when feasible and appropriate, implemented and tracked.	M	75
7.3	There is documented evidence that the program has been		

	implemented and tracked the progress of and use of results from improvement initiatives cited by the faculty its self-study.	M	65
8	<b>SUPPORT</b>		
8.1	The program regularly evaluates its library, equipment and facilities, encouraging necessary improvements within the context of overall college resources.	M	60
8.2	The program's operating budget is consistent with the needs of the program.	M	65
8.3	The program has a history of enrolment rates sufficient to sustain high quality and cost-effectiveness.	M	65
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	M	70
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	NM	25
8.6	The Program has a history of generating support from industries and alumni to sustain itself.	NM	30





**Department of Petrochemical Engineering**  
**Academic Audit Report 2020-2021**



## Table of Content

<b>Sr. No</b>	<b>Title</b>
01	Department Data
02	Academic Audit Faculty Data Sheet
03	Student Strength Particulars
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05	Academic Advisors Report
06	Academic Auditors Report
07	Academic Audit Summery Sheet

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Department of Petrochemical Engineering**  
**Petrochemical Engineering Department Data 2020-2021**

**Name of the University Department:-Petrochemical Engineering**

**Period of Audit: 2020-2021**

**I - DEPARTMENT PROFILE**

1	Name of the University Department, Website, email and Ph. No.	Department of Petrochemical Engineering, www.dbatu.ac.in, ssmetkar@dbatu.ac.in, 8600172102		
2	Name of the HoD, email & Mob.No	Dr. S. S. Metkar, ssmetkar@dbatu.ac.in, 8600172102		
3	Name of the Vice-Principal, if any, email & Mob. No.	NA		
4	Name of the IQAC Coordinator, email & Mob. No.	Dr. S. L. Nalbalwar, slnalbalwar@dbatu.ac.in ,8793814621		
5	Year of Establishment & own land if any	1989, Yes		
7	NBA accreditation of courses	Not at Present, accredited twice in the past i.e.,2003-06,2007-12		
8	NAAC Grade with Cycle, Accredited Year & CGPA ( Status of preparation if not Accredited)	B Grade, 1st Cycle,2015,2.35 NAAC Executive Committee No. & Date- EC(SC)_05_A&A _083 dated 3-3-2015-Dr. Babasaheb Ambedkar Technological University, Lonere-Maharashtra		
9	UGC Recognition (2F & 12 B)	Yes		
10	Department Working Hours( if shift system mention details of both shifts & give reasons for shift system)	9.00 A.M. to 6.00 P.M.		
11	No. of Posts Sanctioned: 07	Regular Faculty Working: 03	Contract Faculty Working:07	Visiting Faculty: Nil

\*: Prepared for Academic Year 2020-2021

<b>II - CURRICULAR ASPECTS</b>				
	<b>Item</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation</b>	<b>Recommendation/Suggestions by Academic Advisors</b>
12	Implementation of Annual Departmental Plan	Annual Departmental Plan was prepared well before start of Academic Year	A	
13	Departmental Annual Curricular Plans	Yes, Department Plan was prepared including different departmental activities	A	
14	Whether the above two circulated among Students?	Forwarded to student official WhatsApp group	A	
15	Department Activity Register during the academic year	Department has separate registers for department activity and department meetings	A	
16	Department Calendar/Department Magazine	Yes, Forwarded to all staff & faculty	B	Can be good cumulative record. Magazine can be prepared.

\*: Prepared for Academic Year 2020-2021

17	Add-on Courses (Department-wise) completed during previous year	Yes, Faculty and students have undergone add-on courses recommended by SWYAM and NPTEL (Record maintained)	A	Good initiative should be continued and more students should take it.
18	Add-on Courses (Department-wise) during current academic year 2020-21	Yes, students have undergone courses from NPTEL and SWYAM Platform (Record maintained)	A	
19	Coverage of Syllabus (Average Percentage)	Approximately 95%	A	
20	Teaching of Humanities and Foundation Courses	Implemented as per guidelines by UGC/AICTE at First Year Engineering and Second Year Engineering	B	Make sure students come across psychophysical nature, mind intelligence, ego and its interconnection
21	No. of New UG and PG Courses introduced this year:	First year syllabus is revised in Academic year 2020-2021	-	-
22	Maintenance of Student Attendance Registers	Yes, it is maintained by individual Faculty and available in course file.	A	Good record keeping

\*: Prepared for Academic Year 2020-2021

<b>III - TEACHING, LEARNING AND EVALUATION</b>				
23	Teaching Diaries and Teaching Plans in Prescribed Formats	Teaching Plan are prepared and submitted to individual head at the start of semester and Course files are maintained by faculty members.	A	Good diary maintained
24	Co-Curricular Activities (Department level)	-	-	Department should also conduct after pandemic.
25	Academic Competitions (University Level and Above)	Yes, Online participation of students. Record is available.	B	Online student participation should be encouraged even with offline college.
26	Conduct of Internal Examinations-Unit, Half-Yearly and Pre final	Internal exams are conducted by individual faculty and record is available. Semester exams are conducted by exam section.	A	
27	Subject wise result analysis	Analysis done by individual faculty and then combined together. Record is available	A	
28	Teacher wise result analysis	Yes, record is available	A	

\*: Prepared for Academic Year 2020-2021

29	Remedial Classes	Earlier conducted under UGC and TEQIP-2 but not at present. Subject wise tutorial classes are conducted and records are available with individual faculty.	-	-
30	Record of Evaluation of Teachers by Students	At every semester end feedback is collected, analyzed and shared with respective faculty. Record is available.	A	Good record is maintained
<b>IV - RESEARCH AND CONSULTANCY</b>				
31	Is the Department a Recognized Research Centre	No.	-	-
32	No. of Research Guides in the Department	Nil - for Ph.D. program. However, all three regular teachers are Guides for M.Tech. Program in Chemical Engg.	-	Need to try to get registered Ph. D guide
33	No. of Research Scholars working for Masters & Ph.D	NA	-	-
34	Major/Minor/Other Research Projects	Nil	-	-
35	Research Papers Published in previous academic year (International/ National )	Yes (by Prof. S. S. Metkar)	B	Collaborative efforts are required.

\*: Prepared for Academic Year 2020-2021

36	Papers Presented in previous academic year(International/ National/ State )	Yes (by Dr. S. S. Metkar)	B	Other faculty members should contribute
37	Books Published in previous Academic year ( Single Author/ Co Author)	Nil	-	-
38	Seminars/Workshops/ Training Programme Conducted (International/ National/ State )	<p>1) 15 days 'AutoCAD workshop' organized by Prof. P.S. Nande</p> <p>2) 5 days' workshop on 'Process Safety and Loss Prevention' organized by Dr. S.S. Metkar &amp; Prof. L.Y. Rawoot</p> <p>3) 5 days' workshop on 'Basic to Advance of MS Excel for Chemical Engineers' organized by V.P. Jawanjal &amp; Prof. P. S. Nande</p> <p>4) 5 days' workshop on 'Process Engineering' organized by Dr. S. S. Metkar &amp; Dr. D. M. Pawar</p> <p>5) 3 days' soft skill workshop on 'College to corporate' organized by Dr. S. S. Metkar, Prof. P. S. Nande &amp; Prof. H. R. Jadhav</p> <p>6) 5 days' workshop on 'Basic to Advance of MS Excel for Chemical Engineers' organized by Dr. S. S. Metkar, Prof. H.R. Jadhav &amp; Prof. P. S. Pore</p> <p>Record is available.</p>	A	Good, nicely done.

\*: Prepared for Academic Year 2020-2021

39	Record of Consultancy in previous academic year	No	-	-
40	Record of MoUs in previous academic year	Nil	-	-
<b>V - EXTENSION ACTIVITIES</b>				
41	Record of Subject/Department Related Extension Activities	Nil	-	-
42	Name of the NSS PO & Mobile No.	Dr. H. N. Warahtkar, 9403316374	B	
43	NSS Attendance Register	Maintained at University Level	NA	
44	NSS Activity Register	Maintained at University Level	NA	
45	Name of the NCC ANO & Mobile No.	Dr. M. P. Bhagat, 7588265601	B	
46	NCC Attendance Register	Maintained at University Level	NA	
47	NCC activity register	Maintained at University Level.	NA	
48	Name of the professional Club Coordinator & Mobile No.	No	NA	
49	Professional Club Activities	No	NA	

\*: Prepared for Academic Year 2020-2021



50	Name of the Women Empowerment Cell (WEC) Coordinator & Mobile No.	Prof. S. P. Dhongade 9960520092	B	
51	WEC Activities	Activities are conducted at University level	B	
52	Name of the Eco-Club Coordinator & Mobile No.	Dr. R. P. Kate 9420057789	B	
53	Eco- Club Activities	Conducted through Nature club at University Level	B	
54	Name of the Consumer Club Coordinator & Mobile No.	Shree. Suresh Lad Mobile No. 9975254439	B	
55	Consumer Club Activities	Established at University level. Employee Society and Xerox facilities are monitored by Consumer Club. Dr. S. S. Metkar is the member	NA	
56	Any other Club	Yes, Activities are conducted at University Level. Dr. V. S. Sargade is the University Coordinator Dr. S.S Metkar is the coordinator of artist club of University	NA	

\*: Prepared for Academic Year 2020-2021

<b>VI - LEARNING RESOURCES</b>				
57	Name of the Librarian & Mob. No	Shree. S. P. Vaidya 94233382280	B	
58	Access timings of the Library	9.30 a.m. to 5.30 p.m. on working days. The library hours are extended during the time of final examinations.	B	
59	Circulation of Books among Students	LIBMAN (Library Software) is used for circulation transaction. Library also runs book bank scheme sponsored by the Govt. of Maharashtra. <a href="http://dbatulibrary/opac">http://dbatulibrary/opac</a> or <a href="http://172.16.5.238/opac">http://172.16.5.238/opac</a> online public access catalogue is used.	B	
60	Availability of Previous years Question papers	Question bank is provided to exam section and available with individual Faculty.	B	
61	Record of Visitors	Maintained by University Library. The library is having open access.	NA	

\*: Prepared for Academic Year 2020-2021

62	Status of Library Automation	The library is partially computerized with the help of LIBMAN (Library Software). The circulation transaction, barcode generation, no dues certificates, reminder etc. work is carried out with the help of this software.	B	
63	e-Lessons & e-Resources/ e-Journals	Various Journals and Resources are subscribed and available online.	A	
64	Usage of Internet by students in the Library	Library has separate computer section around 02 computers are available with internet connectivity for students for accessing online journals and e-books.	B	
65	Name of SWAYAM Coordinator & Mob. No	Dr. R. S. Pawade 8698559938	B	
66	Status of SWAYAM facilities functioning	University is recognized as an ACTIVE Local Chapter.	B	
67	Whether SWAYAM schedule is circulated to the students	Yes, it is circulated by Dr. R. S. Pawade and Dr. S. L. Nalbalwar	B	

\*: Prepared for Academic Year 2020-2021

68	Maintenance of SWAYAM Viewers' Register	Partially maintained at University Level by concerned coordinator. One of the course for each semester is mandatory from NPTEL / SWAYAM platform	NA	
<b>VII - STUDENT SUPPORT ACTIVITIES</b>				
69	Name of the Physical/Sports Director & Mob.No	Dr. P. B. Lokhande 8600674584	NA	
70	Record of Physical Education/Sports Department	Record is maintained at University level	NA	
71	Records of events conducted	-	-	
72	Records of significant achievements in Sports & Games	-	-	
73	Record of Cultural programmers conducted	-	-	
74	Record of any other extra-curricular activities conducted	Online student's participation record is maintained.	A	

\*: Prepared for Academic Year 2020-2021

75	Maintenance of Placement Cell facilities & records	Detailed record is maintained at University level. Dr. S. S. Metkar is the Departmental Training and Placement coordinator.	B	
76	Record of Student trained and placed	08 students were placed on campus. Internship was provided to 38 final year students. Record is available.	B	
77	Name of Career Guidance Cell Coordinator & Mob.No	Dr. S. S. Metkar 8600172102 Prof. V. P. Jawanjal 9168219246 Dr. S. M. Mhatre 9970748646	B	
78	Record of activities Career Guidance	-	-	
79	Departmental Review Committee (DRC) Coordinator & Mob. No.	Dr. S. S. Metkar 8600172102	B	
80	Implementation of DRC Action Plan	Nil	-	

\*: Prepared for Academic Year 2020-2021

81	IQAC activities & maintenance of records, (Action Plan/Minutes of Meeting/Proof of submission of AQAR to NAAC/Activity register etc)	IQAC at University level is in place	NA	
82	Record of Support by Alumni Association	Alumni Association is placed at University level (Established in January 2021). Alumni are actively involved in providing placement and internship to final year students. Departmental Alumni Advisory Committee is also in place & meetings are conducted in various regards.	B	
83	Record of Grievance Redressal Cell / Anti Ragging cell	Disciplinary committee and University Women Grievance cell are in place at University Level Dr. S. S. Metkar is representing at University Level	B	
84	Record of Anti Ragging cell	In placed at University level Dr. S. M. Mhatre is representing at University Level	B	

\*: Prepared for Academic Year 2020-2021





<b>VIII - BASIC AMENITIES</b>				
85	Maintenance of drinking water	Water coolers with adequate filtration facility are available	B	
86	Maintenance of sanitation	Maintained by University	B	
87	Rest room for women students	Available at University level on the ground floor	-	
88	Greenery	Maintained at University Level by Estate section	B	
89	Cleanliness	Maintained at University Level by Estate section	B	
90	Health Care Facility	Available in University campus Dr. S. M. Mhatre is the coordinator	B	
91	Canteen	Canteen facility is available	-	
<b>IX - GOVERNANCE AND LEADERSHIP</b>				
92	Management Committee Register	Maintained at University level	NA	
93	Functioning of Committees in Administration (Minutes of meetings)	Yes, record of BoS minutes meeting & Alumni Advisory Committee meetings are available	A	

\*: Prepared for Academic Year 2020-2021

94	Awards/Achievements	Prof. S. S. Metkar completed the Ph. D. in Chemical Engg. Prof. Harshada R. Jadhav received Gold Medal in M. Tech. Chemical Engg.	A	
95	Faculty development initiatives if any	Faculties are encouraged to attend workshops, STTP's and FDP's. Record is available	A	
<b>X - IT INITIATIVES</b>				
96	E-Class rooms ( Number & Usage)	LH 001 is in placed.	B	
97	Internet Centre	Leased Line from BSNL of 1Gbps Accessed through centralized facility (2 Servers) at University level  Wi-Fi is available in the Department.	B	
98	Computer labs ( No. of labs & working systems)	07	B	
<b>XI-BEST PRACTICES</b>				
99	Record of best/innovative practices by the Department	1.Online induction program is conducted for new students 2.Personality Development courses (Soft skill & Communication skills)	B	

\*: Prepared for Academic Year 2020-2021



100	Department Activity Register & Hard Copy of AQAR of previous year (should be available with the Principal)	Available at Departmental level	B	
	Signature of the HoD  Dr. S. S. Netkar		1.  (Dr. S. R. Satpute) 2.  (M. K. Purshettiwar) 3.  22/10/2021 (S. H. Ghatak)	Signatures of Academic Advisors

Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Engineering Colleges  
Format - II ( To be filled individually by Faculty Member)

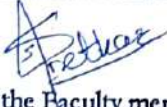

Centre/SubCentre: Dr. BATU.  
Lonere -Campus

District:

Raigad

1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Sangeeta S. Metkar		
3	Name of the Subject taught during academic year 2019-20	Chemical Reaction Engg.-I, Chemical Reaction Engg.-II, Process Dynamics and Control, Transport Phenomena		
4	Date of Joining in Degree College/Date of Joining in the present Institution	05/08/2004	Date of Retirement:	30/11/2038
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C.(poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	and evaluation made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	are available. Videos were shown regarding Mechanical Operations	C	
7	Whether conducting Add on Courses & role in conduct of course	No	-	-
8	Feedback from students	Feed back is collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepared at the beginning	A	
10	Coverage of syllabus so far (%)	100%	B	
11	Record of students attendance	Yes, available, attached in course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	Yes, available, attached in course file	B	
14	Record of field trips	Yes, available	B	
15	Record of student seminars conducted	Yes, available, attached in course file	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes	A	
17	Other Student centric learning Methods	No	-	
18	Record of Extension Lectures given	No	-	
19	Record of invited lectures arranged	Yes	A	
20	Record of internal examinations and University Exams	Yes - Internal Examination record is available. University exam. record is with Examination Section	B	

	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	B	
22	Record of remedial classes conducted for slow learners	No	-	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	Yes, available	B	
24	Record of Student Projects	Yes, available	B	
25	Record of seminars / workshops attended / organized / Papers presented	Yes, available	A	
26	Record of extension work undertaken	Nil	-	
27	Record of MoUs, if any	Nil	-	
28	Record of Consultancy work	Nil	-	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	NA	-	
30	Availability of CDs, Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	Yes, relevant you tube videos are shown and discussed with the students.	B	
	Development of any educational resource	No	-	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	
34	Newspaper clippings or other materials as additional resource	Yes	B	
	Any Student team project for Technology Development	Characterizaion of Turmeric leaves for Ayurvedic Utilization	A	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes, member of different University Committes	A	
36	Record of innovative practices	Nil	-	
37	Any outstanding contribution	Can't Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	

S.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	A  Available	A	
	 Signature of the Faculty member		 Signature of the Head of Department	

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

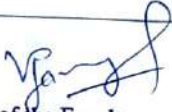
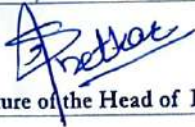
Centre/SubCentre: Dr. BATU.  
 Lonere -Campus

District:

Raigad

1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Vasant P. Jawanjaj		
3	Name of the Subject taught during academic year 2020-21	Chemical Process Calculation ,Chemical Engineering Thermodynamics - II, Chemical Engineering Thermodynamics -I		
4	Date of Joining in Degree College/Date of Joining in the present Institution	26/09/1993	Date of Retirement:	26/06/2027
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the	A	
10	Coverage of syllabus so far (%)	100		
11	Record of students attendance	available		
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - avialable		
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	B	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	Yes	A	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	CPC- 100%, CET-II-100%, CET-I -100%	A	
22	Record of remedial classes conducted for slow learners	No	C	
<b>Research, Extension and consultancy</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
23	Record of Research work (Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	B	
30	Availability of CDs,Videos	Yes	B	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	Can' Say		
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
	 Signature of the Faculty member			 Signature of the Head of Department

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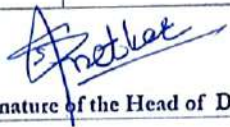
Centre/SubCentre: Dr. BATU,  
Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Dr. Sonali M Mhatre		
3	Name of the Subject taught during academic year 2020-21	MTO-I, PDE-II, MTO-II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	17-07-2013	Date of Retirement:	31-05-2038
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisors along with grade (A/Careful/BA Satisfactory)/C (poor) does Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes, University level attached in course file	A	
6	Curriculum enrichment / Value addition	development asinwitee member of BOS	B	
7	Whether conducting Add on Courses & role in conduct of course	no	C	
8	Feedback from students	yes, on departmental level	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	yes, attached with course file	A	
10	Coverage of syllabus so far (%)	almost 100%	B	
11	Record of students attendance	yes, attached in course file	B	
12	Use of ICT - PPT & Audio-video Aids	yes, within google classroom, during google meets	A	
13	Record of students assignments	yes, in google classroom and course file	B	
14	Record of field trips	no	C	
15	Record of student seminars conducted	yes, departmental level		
16	Record of academic competitions conducted if any (Quiz, Role play)	no	C	
17	Other Student centric learning Methods	ICT based teaching learning using g-meet and use of few self recorded videos	A	
18	Record of Extension Lectures given	no	C	
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	yes	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	MTO-I, PDE-II, MTO-II	B	



S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
22	Record of remedial classes conducted for slow learners	no	-	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	no	C	
24	Record of Student Projects	yes, departmental level	A	
25	Record of seminars / workshops attended / organized /Papers presented	yes, submitted to department	B	
26	Record of extension work undertaken	no	C	
27	Record of MoUs, if any	no	C	
28	Record of Consultancy work	no	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	not available	-	
30	Availability of CDs,Videos	yes, in university libraries	B	
31	Virtual labs / Open Educational Resources (OERs)	yes	B	
	Development of any educational resource	recorded few self videos on some topics on experimental basis	A	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	no	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes	A	
34	Newspaper clippings or other materials as additional resource	yes,use of research papers	B	
	Any Student team project for Technology Development		C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	yes, 1.Asso. Dean academics 2. professor in charge - PhD section of University 3. professor in charge- health care center. 4. warden - ii hostel dhavalgiri	A	
36	Record of innovative practices		C	
37	Any outstanding contribution	can't say	C	
38	Whether above( related activities )entered in into Departmental Activities Register	yes	A	
39	Maintenance of Departmental Activities Register	yes	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	yes	A	
	Signature of the Faculty member			 Signature of the Head of Department

**Dr. Babasaheb Ambedkar Technological University**

**Academic Audit of Engineering Colleges**



Format - II ( To be filled individually by Faculty Member)

Centre/SubCentre: Dr. BATU. Lonere -  
Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad		
2	Name of the Faculty Member	Pradip S. Nande		
3	Name of the Subject taught during academic year 2020-21	1. Fluid Flow Operations 2. Pollution Control in Process Industries 3. Process Equipment Design & Drawing Lab 4. Process Design, Flowsheeting & Simulation Lab 5. Heat Transfer Operations 6. Process Economics & Project Management		
4	Date of Joining in Degree College/Date of Joining in the present Institution	13-08-2020	Date of Retirement:	14-06-2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule is available at the beginning of semester.	A	
6	Curriculum enrichment / Value addition		A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in Course File	A	
10	Coverage of syllabus so far (%)	More than 90	A	
11	Record of students attendance	available in APR & Course File	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	No	C	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	C	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable in Course File	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	1. Fluid Flow Operations 100% 2. Pollution Control in Process Industries 100% 3. Process Equipment Design & Drawing Lab 100% 4. Process Design, Flowsheeting & Simulation Lab 100% 5. Heat Transfer Operations 100 % 6. Process Economics & Project Management 100%	A	
22	Record of remedial classes conducted for slow learners	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	C	
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized 15 days workshop on AutoCAD.	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	


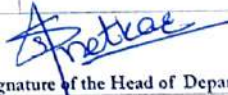
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
	Signature of the Faculty member			Signature of the Head of Department

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II (To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU,  
Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Rawoat Lubna Yunus		
3	Name of the Subject taught during academic year	Odd sem: Petrochemical Engineering II (BTPEC2505), Petrochemical Processes BTPEC 710, Elective - IV (APR) BTPEB 705, Petrochemical Synthesis Lab (PC709) Even sem: Petrochemical Engineering III (BTPEC604), Petrochemical engineering I lab (BTPELA12)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	11-08-2020	Date of Retirement:	14/06/2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (Poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment & notes were made available. As well as videos were shown regarding different topics	A	
7	Whether conducting Add on Courses & role in conduct of course	no	C	
8	Feedback from students	feedback collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	yes, available in course file	A	
10	Coverage of syllabus so far (%)	100%	A	
11	Record of students attendance	yes, available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	no	C	
13	Record of students assignments	no	C	
14	Record of field trips	-		
15	Record of student seminars conducted	yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	no	C	
17	Other Student centric learning Methods	Google classroom for every subject and lab for sharing relevant study material, you tube videos for experiments	B	
18	Record of Extension Lectures given	no	C	
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	Internal exam record is available.		
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	PE II: 100%, E IV: 100%, PP: 100%, PS lab: 100%, PE III: 100%, PE I lab: 98%	A	
22	Record of remedial classes conducted for slow learners	no	C	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	no	C	
24	Record of Student Projects	yes		
25	Record of seminars / workshops attended / organized /Papers presented	yes	B	
26	Record of extension work undertaken	nil	C	
27	Record of MoUs, if any	nil	C	
28	Record of Consultancy work	nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	nil	C	
30	Availability of CDs, Videos	no	C	
31	Virtual labs / Open Educational Resources (OERs)	not available for Petrochemical Engineering labs	B	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
	Development of any educational resource	no	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Arranged 5 days online workshop for students on 'Process Safety & Loss Prevention'	B	
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes	A	
34	Newspaper clippings or other materials as additional resource	referred some research papers for case studies	B	
	Any Student team project for Technology Development	Yes- Grey water treatment	A	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Departmental Exam Co-ordinator, Third year class teacher, Process Safety & Loss Prevention Workshop coordinator		
36	Record of innovative practices	no	C	
37	Any outstanding contribution	no	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	-	A	
40	Check Departmental Documentation ( should be available with I/c of dept) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	yes	A	
	Signature of the Faculty member			 Signature of the Head of Department

**Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Engineering Colleges  
Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU,  
Lonere -Campus

District:


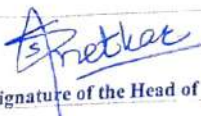
Raigad

Department of Petrochemical Engineering, DBATU, Lonere Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Prajakta Santosh Pore		
3	Name of the Subject taught during academic year	Odd sem - Green Technology(BTCHE306), Chemistry of Petroleum Hydrocarbons(BTCHE 506), Mechanical Operation Lab (BTCHL309); Even sem - Plant Utility and Plant Safety(BTCHC 605), Chemical Reaction Engineering lab-II (BTCHL 609)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	08/10/2020	Date of Retirement:	14/06/2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of	A	
6	Curriculum enrichment / Value addition	Notes and Assignments were made available. As well as videos were shown regarding different topics	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in course file	B	
10	Coverage of syllabus so far (%)	90	B	
11	Record of students attendance	available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - available	B	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	Google Classroom	B	
18	Record of Extension Lectures given	Nil	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Internal examinations record is available	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	GT(100%), COPH(100%), MO Lab(100%), PUPS(100%), CRE-II Lab(97.2%)	A	
22	Record of remedial classes conducted for slow learners	No	C	

**Research, Extension and consultancy**




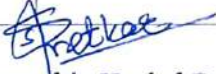
Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after	Recommendation/Suggestions by Academic Advisors
23 Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24 Record of Student Projects	Yes available	A	
25 Record of seminars / workshops attended / organized /Papers presented	Yes	C	
26 Record of extension work undertaken	Nil	C	
27 Record of MoUs, if any	Nil	C	
28 Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>			
29 Utilization of Departmental Library	No	C	
30 Availability of CDs, Videos	No	C	
31 Virtual labs / Open Educational Resources (OERs)	Yes	B	
Development of any educational resource	No	C	
<b>Student support and progression</b>			
32 Record of Activities conducted to contribute to the students' career opportunities	Organized 5 days workshop on "Basic to advance MS Excel".	B	
33 Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34 Newspaper clippings or other materials as additional resource	Nil	C	
Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>			
35 Record of additional administrative responsibilities performed	Second year Class teacher	B	
36 Record of innovative practices	Nil	C	
37 Any outstanding contribution	No	C	
38 Whether above( related activities )entered in into Departmental Activities Register	-	B	
39 Maintenance of Departmental Activities Register	-	B	
40 Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Available	A	
Signature of the Faculty member			

Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Engineering Colleges  
Format - II ( To be filled individually by Faculty Member)

Centre/SubCentre: Dr. BATU,  
Lonere - Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Dr. Deepali M. Pawar		
3	Name of the Subject taught during academic year	Process Instrument & Control , Environmental Quality Monitoring & Analysis		
4	Date of Joining in Degree College/Date of Joining in the present Institution	15/01/2020	Date of Retirement:	14/12/2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C(poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - Attached with course file	A	
6	Curriculum enrichment / Value addition	No	C	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	Yes, Departmental	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes (Available in Course file)	A	
10	Coverage of syllabus so far (%)	85-90 %	B	
11	Record of students attendance	Yes	A	
12	Use of ICT - PPT & Audio-video Aids	Yes (Attached with course file)	A	
13	Record of students assignments	Yes (Available in Course file)	A	
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes (Available)	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes (Available)	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	EQMA -99 % PIC - 100 % EEE - 98 %	A	
22	Record of remedial classes conducted for slow learners	No	C	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (.Paper publication, Book publication, Articles)	No	C	
24	Record of Student Projects	Yes (Available)	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes (Available)	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and Learning Resources</b>				

No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C(poor) after Observation	Recommendation/Suggestions by Academic Advisors
29	Utilization of Departmental Library	Nil	C	
30	Availability of CDs, Videos	Nil	C	
31	Virtual labs / Open Educational Resources (OERs)	Yes (Referred IITS Virtual Lab by online mode for PIC Lab & MTO-II Lab)	B	
	Development of any educational resource	Nil	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized one week workshop on Process Engineering	B	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	Nil	C	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	No	C	
39	Maintenance of Departmental Activities Register	No	C	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Available	A	
	Signature of the Faculty member			
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

Dr. Babasaheb Ambedkar Technological University

Academic Audit of Engineering Colleges


Format - II ( To be filled individually by Faculty Member)

Centre/SubCentre: Dr. BATU, Lonere -  
Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Vijaya Bhagwanji Satghare		
3	Name of the Subject taught during academic year 2020-21	Petrochemical Engineering-I (BTPCC 406), E-III (Catalyst Science & Technology) (BTCHE 606), Mass Transfer Operation-I Lab (BTCHL 508), Heat Transfer Operation Lab (BTCHL 408), Petrochemical Engineering II Lab (BTID 504)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	2/2/2021	Date of Retirement:	14/12/2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and internal assesment made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feedback collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in course file	A	
10	Coverage of syllabus so far (%)	more than 90%	A	
11	Record of students attendance	Available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	
13	Record of students assignments	Yes - avialable	C	
14	Record of field trips	No	C	
15	Record of student seminars conducted	No	C	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	100%	A	
22	Record of remedial classes conducted for slow learners	No	C	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable		
25	Record of seminars / workshops attended / organized /Papers presented	Yes, Available in Departmental Activity Register.	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	C	
30	Availability of CDs, Videos	No	C	
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	
34	Newspaper clippings or other materials as additional resource	No	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	No	C	
37	Any outstanding contribution	No	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	


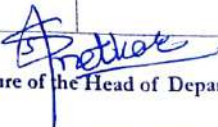
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	
	Signature of the Faculty member	<i>Blaghare</i>		 Signature of the Head of Department

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: **Dr. BATU.**  
**Lonere -Campus**

District: **Raigad**

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Vidyabal K. Pawar		
3	Name of the Subject taught during academic year	Process Equipment Design and Drawing, Product Design Engineering-I and Optimization in Chemical Engineering, Chemical Reaction Engineering -I (Lab)		
4	Date of Joining in Degree College/Date of Joining in the present Institution	15/01/2021	Date of Retirement:	14/12/2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule available at the beginning of semester.	A	
6	Curriculum enrichment / Value addition	Assignment made available	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	Feedback collected at the semester end	B	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, Available in Course File.	A	
10	Coverage of syllabus so far (%)	More than 90%	A	
11	Record of students attendance	Yes, Available in Course File.	A	
12	Use of ICT - PPT & Audio-video Aids	Yes.	B	
13	Record of students assignments	Yes.		
14	Record of field trips	No.	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No.	C	
17	Other Student centric learning Methods	No.	C	
18	Record of Extension Lectures given	No.	C	
19	Record of invited lectures arranged	No.	C	
20	Record of internal examinations and University Exams	Internal Examination Marks record is available.	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Optimization in Chemical Engineering- 100 %, PEDD- 100%	A	
22	Record of remedial classes conducted for slow learners	No.	C	
<b>Research, Extension and consultancy</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
23	Record of Research work (Paper publication, Book publication, Articles)	No.	C	
24	Record of Student Projects	Yes- available		
25	Record of seminars / workshops attended / organized /Papers presented	Yes, Available in Departmental Activity Register.	B	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No.	C	
30	Availability of CDs,Videos	No.	C	
31	Virtual labs / Open Educational Resources (OERs)		C	
	Development of any educational resource	No.	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No.	C	
34	Newspaper clippings or other materials as additional resource	No.	C	
	Any Student team project for Technology Development	No.	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Nil	C	
36	Record of innovative practices	No.	C	
37	Any outstanding contribution	No.	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Yes.	A	
	Signature of the Faculty member			Signature of the Head of Department





**Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Engineering Colleges  
Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU,  
Lonere -Campus

District: Raigad

1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Harshada Ramkish Jadhav		
3	Name of the Subject taught during academic year	Odd Semester : Sem: III Mechanical Operations (BTCHC 304), Fluid Flow Operations Lab (BTCHL308). Even Semester : Sem: IV Numerical Methods in Chemical Engineering (BTCHC401), Programming Languages Lab (BTCHL409).		
4	Date of Joining in Degree College/Date of Joining in the present Institution	15/01/2021	Date of Retirement:	14/12/2021
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule available at the beginning of semester.	A	
6	Curriculum enrichment / Value addition	Tutorials and notes were available.	B	
7	Whether conducting Add on Courses & role in conduct of course	No	C	
8	Feedback from students	feed back collected at the semester end	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, Available in Course File.	A	
10	Coverage of syllabus so far (%)	More than 90%	A	
11	Record of students attendance	Yes, Available in Course File.	A	
12	Use of ICT - PPT & Audio-video Aids	Yes.	B	
13	Record of students assignments	Yes.		
14	Record of field trips	No.	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No.	C	
17	Other Student centric learning Methods	No.	C	
18	Record of Extension Lectures given	No.	C	
19	Record of invited lectures arranged	No.	C	
20	Record of internal examinations and University Exams	Internal Examination Marks record is available.	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	100%	A	
22	Record of remedial classes conducted for slow learners	No.	C	
<b>Research, Extension and consultancy</b>				

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
23	Record of Research work (.Paper publication, Book publication, Articles)	No.	C	
24	Record of Student Projects	No.	C	
25	Record of seminars / workshops attended / organized / Papers presented	Yes, Available in Departmental Activity Register.	A	
26	Record of extension work undertaken	No.	C	
27	Record of MoUs, if any	No.	C	
28	Record of Consultancy work	No.	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No.	C	
30	Availability of CDs, Videos	No.	C	
31	Virtual labs / Open Educational Resources (OERs)		A	
	Development of any educational resource	No.	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized Online Workshops for students. 1. Soft Skill , 2. Basic to Advance MS Excel Workshop.	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No.	C	
34	Newspaper clippings or other materials as additional resource	No.	C	
	Any Student team project for Technology Development	No.	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Second Year Class Teacher.	A	
36	Record of innovative practices	No.	C	
37	Any outstanding contribution	No.	C	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Yes.	A	
				
	Signature of the Faculty member		Signature of the Head of Department	

Dr. Babasaheb Ambedkar Technological University  
Academic Audit of Degree Colleges  
Format for Student Strength Particulars

Year 2020-21  
Date of Audit: 22/10/2021

Zone : Raigad

Name of the College, Place : Dr. Babasaheb Ambedkar Technological University, Lonere, Department of Petrochemical Engineering

Sl. No.	GROUP	COMBINATION	YEAR	SANCTIONED STRENGTH	ADMITTED STRENGTH																							
					Total MEN	Total WOMEN	TOTAL	SC (M)	SC (W)	ST (M)	ST (W)	NT/DT (M)	NT/DT (W)	OBC (M)	OBC (W)	PH (M)	PH (W)	OPEN (M)	OPEN (W)	VJNT (M)	VJNT (W)	SBC (M)	SBC (W)					
1	UG	Petrochemical	I	60+3	19	4	23	2	0	0	0	0	0	0	10	3	0	0	0	6	0	0	0	0	0	0	1	1
2	UG	Petrochemical	II	63+15	27	9	36	5	1	0	0	0	2	7	3	0	0	8	2	8	2	1	0	0	3	1	1	1
3	UG	Petrochemical	III	63+15	63	13	76	7	4	0	0	0	3	5	23	5	0	0	29	4	29	4	0	0	1	1	0	0
4	UG	Petrochemical	IV	63+15	57	6	63	10	1	1	0	0	0	16	2	0	0	20	3	20	3	8	0	0	2	2	0	0



Dr. S. S. Motkar

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Department of Petrochemical Engineering**  
**Action Taken Report by Head of the Department (ATR)**

<b>I - DEPARTMENT PROFILE</b>	
1	Name of the University Department, Website, email and Ph. No. Department of Petrochemical Engineering, Dr.BATU - Lonere Campus
2	Name of the HoD, email & Mob.No Dr. S. S. Metkar, ssmetkar@dbatu.ac.in, 8600172102
3	Name of the Vice-Principal, email & Mob. No. Not applicable
4	Name of the IQAC Coordinator, email & Mob. No. Dr. S. L. Nalbalwar, snalbalwar@dbatu.ac.in, 8793814621
5	Year of Establishment & own land if any 1989, Yes
6	NBA accreditation Not at present. Accredited twice in the past i.e 2003-2006, 2007-2012
7	NAAC Grade with Cycle, Accredited Year & CGPA ( if not Accredited Status of Preparations) B grade, First cycle 2015.2.35 NAAC executive committee no and date - EC(SC)_05_A&A_083 dated 3-3-2015 Dr Babasaheb Ambedkar Technological University Lonere Raigad
8	UGC Recognition (2F & 12 B) Yes
9	College Working Hours( if shift system mention details of both shifts & give reasons for shift system) 9.00 a.m. - 6.00 p.m.
10	No. of Posts Sanctioned: 07 Regular Working: 03 Contract Working: 07 Guest Working: Nil
11	Course wise & Year wise Students strength particulars ( Proforma enclosed & to be submitted along with AAR) Copy attached.

*S. Prithvi*

<b>II - CURRICULAR ASPECTS</b>				
Item	Grade	Recommendation/Suggestions by Academic Advisors A(Good)/B( Satisfactory)/C (poor) after observation		Action Taken by the Head of Department
		Grade	Recommendation	
12	B		Plan is available	2020-2021 record is maintained
13	B		Plan need to be more exhaustive	Detailed plan is prepared
14	B		Prepared but records not available	Circulated
15	A		-	Upto date maintained
16	B		More motivation for participation and record for the same should be maintained	Students have opted for add-on courses partially
17	A		Record is available	
18	A		Actual implementation needs to be in lined with plan	
19	A		Present in curriculum	
20	NA			
21	A		Maintained	
22	A		In Place	
<b>III - TEACHING, LEARNING &amp; EVALUATION</b>				
23	B		Requires improvement	Maintained
24	B		Needs enhancement	Records are available

	Academic Competitions ( College & Above level)	B	Records are available	Records are available
25	Academic Competitions ( College & Above level)	B	Rubrics needs to be implemented for constant assessment	Records are available
26	Conduct of Internal Examinations	A	Available in APR of individual Faculty	Examination paper setting are planned as per the guidelines of Bloom Taxonomy
27	Subject wise result analysis	A	Available	
28	Teacher wise result analysis	A	Tutorials are conducted	Tutorials and online guidance are made.
29	Remedial Classes	B	In place	
30	Record of Evaluation of Teachers by Students	A		
<b>IV - RESEARCH AND CONSULTANCY</b>				
31	Is the College a Recognized Research Centre	NA		
32	No. of Research Guides in the College	NA	Faculty is not eligible according to new rules	
33	No. of Research Scholars working for Masters and Ph. D	-		
34	Major/Minor/Other Research Projects	C	Needs attainment	Due to pandemic it was not focused, however will be planned in current year
35	Research Papers Published in previous academic year ( International /National )	B	Improvement is necessary	Partial improvement in place
36	Papers Presented in previous academic year ( International /National/ State )	C	Needs Improvement	Partial improvement in place
37	Books Published in previous academic year(Single Author/ Co Author)	C	-	Faculty are encouraged to generate e content
38	Seminars/Workshops/ Training Programme Conducted in previous academic year(International /National/ State )	B	-	Significant improvement in AY 2020-2021
39	Record of Consultancy in previous academic year	C	Requires more efforts	Still need more focus
40	Record of MOUs in previous academic year	C	Efforts need to be put in	Still need more focus

**V - EXTENSION ACTIVITIES**

	Record of Subject/Department Related Extension Activities	B	Needs to be stream line	Partial improvement in place
41				
42	Name of the NSS PO & Mobile No.	NA		
43	NSS Attendance register	NA	Record available at University level	
44	NSS activity register	NA	Record available at University level	
45	Name of the NCC ANO & Mobile No.	NA		
46	NCC Attendance register	NA	Record available at University level	
47	NCC activity register	NA		
48	Name of the Professional Club Coordinator & Mobile No.	C	Needs to start professional body chapter	Still need more focus
49	Professional Club Activities	C	-	Still need more focus
50	Name of the Women Empowerment Cell(WEC) Coordinator & Mobile No.	NA		
51	WEC Activities	NA		
52	Name of the Eco-Club Coordinator & Mobile No.	NA		
53	Eco- Club Activities	NA		
54	Name of the Consumer Club Coordinator & Mobile No.	NA		
55	Consumer Club Activities	NA		
56	Any other Club	NA	-	

*A. Pruthi*

### VI - LEARNING RESOURCE

57	Name of the Librarian & Mob.No	NA		
58	Access timings of the Library	NA		
59	Circulation of Books among Students	NA	Number of book need to be added through book bank	Additional books are recommended for purchase every year
60	Availability of Previous years Question papers	A	-	
61	Record of Visitors	NA	Record available at University level	
62	Status of Library Automation	NA	Record available at University level	
63	e- Resources & e-Journals	NA	Record available at University level	Record is available
64	Name of SWAYAM Coordinator & Mob.No	NA		
65	Usage of Internet by students in the Library	NA	Record available at University Level	
66	Status of SWAYAM facilities functioning	NA	Record available at University Level	
67	Whether SWAYAM schedule is circulated to the students	NA	Record available at University Level	
68	Maintenance of SWAYAM Viewers' Register	NA	Motivation is needed to students to register for SWAYAM platform	Improvement in AY 2020-2021

### VII - STUDENT SUPPORT ACTIVITIES

69	Name of Physical Director & Mob.No	NA		
70	Record of Physical Education Department	NA	Department level In-charge to be appointed	
71	Records of events conducted and significant achievements in Sports & Games	B	-	No such events due to pandemic conditions

*Asst. Prof.*




	Record of cultural programmes conducted	B	Records needs to be maintained	Not possible due to pandemic condition
72	Record of any other extra-curricular activities conducted	B	-	
73	Maintenance of placement facilities & records	A	Department faculty coordinator needs to be appointed	Appointed
74	Record of Students trained in different verticals	B	Needs Improvement	Records are available
75	Record of Student trained and placed	B	Needs Improvement	Records are available
76	Name of Career Guidance Coordinator and Mob.No	-	-	Record is available
77	Record of activities Career Guidance and placement cell	C	Records needs to be maintained	Available with individual faculty
78	Name of Dept Review Committee Coordinator & Mob. No.	C	Review committee has to be formed on urgent basis	Review committee is formed
79	Implementation of DRC Action Plan	C	Not Planned	Could not be done
80	IQAC activities & maintenance of records , (Action Plan/Minutes of Meeting/ submission of AQAR to NAAC etc)	NA	Record available at University level	
81	Record of Support by Alumni Association	B	Needs to be registered	Alumni association is in place. Alumni advisory committee in place. Helping in placement and internship.
82	Record of Grievance Redressal Cell / Anti Ragging Cell	NA		Department faculty are members of these cells at University level
83	Mentoring / Counselling System			Mentoring and Counselling were done on line

*Asmita*

VIII - BASIC AMENITIES			
85	Maintenance of drinking water	A	-
86	Maintenance of Sanitation	B	-
87	Rest room for women students	A	-
88	Greenery	A	-
89	Cleanliness	B	-
90	Health Care Facility	A	
91	Canteen	A	
<b>IX - GOVERNANCE AND LEADERSHIP</b>			
92	Management Committee Register	NA	Record available at University level
93	Functioning of Committees in Administration ( Minutes of Meetings)	NA	Record available with Chemical Engineering Department
94	Awards/Achievements	C	Requires efforts
95	Faculty development initiatives if any	B	Record Available
<b>X - IT INITIATIVES</b>			
96	e-class rooms ( Number & Usage)	A	More usage needed
97	Internet Centre	C	Needs Improvement
98	Computer labs ( No. of labs & working systems)	B	Numbers need to improve
			Status improved
			Status improved
			Status improved
			Status improved
			Status improved.
			Plan is in place to improve current status

**XI - BEST PRACTICES**

		A	-
99	Record of best/innovative practices by the institution		
100	College Activity Register & Hard Copy of AQAR previous academic year	B	Available for previous years.
	Over All Impression on the Department		
	Signature of the Head of Department		

  
 22/10/2021  
 Dr. D. S. Netkar




**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**  
**Format for submission of Academic Advisors Report (AAR)**  
**Name of the Department: Petrochemical Engineering**

Sr.No	Item	Grade *	Impression
1	Conduct of Classes	A	
2	Co-Curricular Activities & Extra-Curricular Activities	A	
3	College Activity Register	A	
4	Departmental Activity Registers	A	
5	Discipline in the campus	-	
6	IQAC	-	
7	Placement	B	
8	Departmental research	B	
9	Career Guidance Cell	B	
10	SWAYAM facilities	-	
11	Library	-	
12	Research & Laboratories	A	
13	Games & Sports	-	
14	Humanities and Foundation Courses	-	
15	Teacher Evaluation by Students	A	
16	Maintenance of Registers	A	
17	Teaching Diaries & Plans	A	
18	NCC / NSS	-	
19	Women Empowerment Cell	-	

Sr.No	Item	Grade *	Impression
20	Professional Club	-	
21	Sanitation & drinking water	B	
22	Cleanliness	B	
23	Functioning of Teachers	A	
24	Over All Impression on the College	A	
25	Any other important observation		

\* A (Good) / B (Satisfactory) / C (Poor)

Signature of Academic Advisors:

- 1   
(Dr. S. R. Satpute)
- 2   
(Mahesh Purohit)
- 3   
(S. H. Gharat)

## Academic Audit Summary Sheet: Petrochemical Engineering Department

**Institution:** Dr. Babasaheb Ambedkar Technological University Lonere-Raigad

**Program Title:** B. Tech. in Petrochemical Engineering

**Academic Audit Status:** Present one 2019-2021 and 2020-2021 (22/10/2021)

**First Academic Audit 2014-2015 & 2015-2016 (16/10/2016)**

**Second Academic Audit 2016-2017 (31/07/2017)**

**Third Academic Audit 2017-2018 (09/02/2019)**

**Fourth Academic Audit 2018-2019 (20/11/2019)**

Each undergraduate program undergoes either an academic audit or external peer review.

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

A check-mark should be placed in the appropriate box to indicate whether a program has "met" or "not met" each criterion in the table. If the % is less than 50% of the target value then the program has not met the objective of the Program.

If a particular criterion is inappropriate or not applicable to the program, the criterion should be marked "NA".

When combined with the self-study and the written report prepared by the visiting team, the Summary Sheet will facilitate institutional development of a program action plan to ensure continuous quality improvement.

### AUDIT TEAM

**Name:** Mr. Mahesh Purohit  
**Title:** Sr. Vice President (Work)  
**Industry:** Vinati Organics Ltd. Mahad

**Signature:** 

**Date:** 22/10/2021

  
**Name:** Dr. Sandip Gharat  
**Title:** Professor  
**Institution:** Gharda Institute of  
Technology, Lavel Ratnagiri

**Signature:** 

**Date:** 22/10/2021

**Name:** Dr. Satchidanand Satpute  
**Title:** Assistant Head, Research  
**Institution:** Vishwakarma Institute of Technology, Pune

**Signature:** 

**Date:** 22/10/2021

## Academic Audit Summary Sheet

**Institution/University Department:** Petrochemical Engineering

**Program Title:** B.Tech. in Petrochemical Engineering

**Degree Level:** Undergraduate Program

**Academic Audit Status:** Present one 2019-2021 and 2020-2021 (22/10/2021)

First Academic Audit 2014-2015 & 2015-2016 (16/10/2016)

Second Academic Audit 2016-2017 (31/07/2017)

Third Academic Audit 2017-2018 (09/02/2019)

Fourth Academic Audit 2018-2019 (20/11/2019)

### Evaluation Results

Sr. No.		Met / not met	% achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member has prepared Course Files as per the learning objectives of the program	m	85
1.2	The Faculty member has shared his course file with the students of the class through Intranet/ Social media or any other means	m	75
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	m	50
<b>2</b>	<b>CURRICULUM AND CO-CURRICULUM</b>		
2.1	The faculty member collaborated with other faculty members for effective design, sequence of courses and delivery of course for improvements and documented these efforts appropriately	m	80
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	m	70
2.3	The faculty member documented a plan for review of curriculum and co-curriculum comparing those with the best practices elsewhere or in best institutes	m	70
<b>3</b>	<b>TEACHING AND LEARNING PROCESSES</b>		
3.1	The faculty member analysed his/her own methods for improving teaching and learning throughout the program and practiced them.	m	85
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieve the learning objectives.	m	80
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	nm	40
<b>4</b>	<b>STUDENT LEARNING ASSESSMENT</b>		
4.1	The Faculty member has announced the method of continuous assessment at the beginning of the course and followed it	m	85

	throughout.		
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	m	65
4.3	The faculty member has documented assessments of student learning	m	85
4.4	The faculty member has developed measurable indicators of student learning success	m	70
4.5	The faculty member has developed and documented a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	m	65
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	m	80
4.7	The students are challenged enough to use their knowledge creatively	m	75
5	<b>QUALITY ASSURANCE</b>		
5.1	There is an existing process in the Institute to understand the parameters of quality of teaching and learning processes	m	70
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	m	65
5.3	There is commitment to making continuous quality improvements in the program a top priority	m	80
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	m	85
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	m	80
5.6	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	m	65
6	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	m	85
6.2	The Academic Audit process (self-study and visit) included descriptions of the program's quality processes including all five focal areas.	m	70
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	m	80
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	m	85
6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	m	80
7	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	m	80



7.2	There is documented evidence that recommendations made by the previous Academic Audit Team have been considered and, when feasible and appropriate, implemented and tracked.	m	80
7.3	There is documented evidence that the program has been implemented and tracked the progress of and use of results from improvement initiatives cited by the faculty its self-study.	m	70
8	<b>SUPPORT</b>		
8.1	The program regularly evaluates its library, equipment and facilities, encouraging necessary improvements within the context of overall college resources.	m	65
8.2	The program's operating budget is consistent with the needs of the program.	m	70
8.3	The program has a history of enrolment rates sufficient to sustain high quality and cost-effectiveness.	m	65
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	m	65
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	m	50
8.6	The Program has a history of generating support from industries and alumni to sustain itself.	m	50



**Department of Petrochemical Engineering**  
**Academic Audit Report 2021-2022**

## Table of Content

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02	Academic Audit Faculty Data Sheet
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Dr. Babasaheb Ambedkar Technological University

Academic Audit of Department of Petrochemical Engineering

Petrochemical Engineering Department Data 2021-2022

Period of Audit: 2021-2022

**I - DEPARTMENT PROFILE**

1	Name of the University Department, Website, email and Ph. No.	Department of Petrochemical Engineering, www.dbatu.ac.in, ssmetkar@dbatu.ac.in, 8600172102		
2	Name of the HoD, email & Mob. No.	Dr. S. S. Meekar, ssmetkar@dbatu.ac.in, 8600172102		
3	Name of the Vice-Principal, if any, email & Mob. No.	NA		
4	Name of the IQAC Coordinator, email & Mob. No.	Dr. Tandale M. S., msitandale@dbatu.ac.in, 9561871212		
5	Year of Establishment & own land if any	1989, Yes		
7	NBA accreditation of courses	Not at Present, accredited twice in the past i.e., 2003-2006, 2007-2012		
8	NAAC Grade with Cycle, Accredited Year & CGPA ( Status of preparation if not Accredited)	B Grade, 1 <sup>st</sup> Cycle, 2015, 2.35 NAAC Executive Committee No. & Date- EC(SC)_05_A&A_083 dated 3-3-2015-Dr. Babasaheb Ambedkar Technological University, Lonere-Maharashtra		
9	UGC Recognition (2F & 12 B)	Yes		
10	Department Working Hours (if shift system mention details of both shifts & give reasons for shift system)	8.00 A.M. TO 6.00 P.M.		
11	No. of Posts Sanctioned: 07	Regular Faculty Working: 03	Contract Faculty Working: 07	Visiting Faculty: Nil

  
S.V. Patil

  
(S.P. Gawde)

  
Dr. S.D. Netkar

II - CURRICULAR ASPECTS			
Item	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
12	Implementation of Annual Departmental Plan	Annual Department Plan was prepared well before start of Academic Year	A Annual Dept plan is in place
13	Departmental Annual Curricular Plans	Yes, Department Plan was prepared including different departmental activities	A Plans are well documented
14	Whether the above two circulated among Students?	Displayed on department notice board & forwarded to student official WhatsApp group and email to respective class C. R. and L. R.	A Circulated to Students by email
15	Department Activity Register during the academic year	Department has separate registers for department activity, guest lectures and department meetings.	A Register is maintained
16	Department Calendar /Department Magazine	Yes, Forwarded to all staff & faculty	A Circulated to faculty & staff.
17	Add-on Courses (Department-wise) completed during previous year	Yes, Faculty have undergone add on courses recommended by SWYAM and NPTEL. Record is maintained.	A 7 NPTEL courses completed by 3 faculty members.

*[Signature]*

*[Signature]*

*[Signature]*

18	Add-on Courses (Department-wise) during current academic year 2021-2022	Yes. Faculty have undergone for courses from NPTEL and SWAYAM Platform. Record is maintained.	A	7 NPTEL Courses completed by 3 faculty members.
19	Coverage of Syllabus (Average Percentage)	Approximately 95%	A	
20	Teaching of Humanities and Foundation Courses	Implemented as per guidelines by UGC/CAICTE at First Year and Second Year of Engineering.	A	Courses available during first & second year.
21	No. of New UG & PG Courses introduced this year.	Second Year syllabus is revised in Academic Year 2021-2022.	B	Syllabus is revised as per the recent development in Petrochemical ind.
22	Maintenance of Student Attendance Registers	Yes. It is maintained through Annual Progress Record (APR) by individual faculty.	A	Yes available.
<b>III - TEACHING, LEARNING AND EVALUATION</b>				
23	Teaching Diaries & Teaching Plans in Prescribed Formats	Teaching plans are prepared and submit to Head of the Department at the start of semester and course files are maintained by individual faculty members.	A	Teaching diaries & plan is available.
24	Co-Curricular Activities (Department level)	Different activities through PESA (Petrochemical Engineering Student Association) are conducted at department level.	B	<ul style="list-style-type: none"> <li>5 activities conducted during Academic year</li> <li>Number of activities to be increased</li> <li>4 Students participated</li> </ul>
25	Academic Competitions (University Level & Above)	Yes, participation in events organized by other institutes.	B	<ul style="list-style-type: none"> <li>More students needs to participate in Technical events.</li> </ul>

Prepared for Academic Year 2021 - 2022

*[Signature]*

*[Signature]*

*[Signature]*

26	Conduct of Internal Examinations-Unit, Half-Yearly and Pre final	Internal exams (Test-I, Mid Semester and Test-II) are conducted by the Department and record is available. Semester examinations are conducted by University Examination Section.	A	Yes exams are were conducted as per evaluation's done.
27	Subject wise result analysis.	Yes, record is available.	A	
28	Teacher wise result analysis	Yes, record is available.	A	
29	Remedial Classes:	Subject wise tutorial classes are conducted for students & records are available with individual faculty.	B	Remedial classes provision is not in place but remedial evaluation is in place well documented.
30	Record of Evaluation of Teachers by Students	At the end of every semester feedback is collected, analyzed and shared with respective faculty. Record is available.	A	
<b>IV - RESEARCH AND CONSULTANCY</b>				
31	Is the Department a Recognized Research Centre?	No.	-	Eligibility must be done to ensure, dept- should be RC
32	No. of Research Guides in the Department	Nil - for Ph.D. program. However, all three regular teachers are Guides for M. Tech Program in Chemical Engg.	-	Faculty members must apply & get recognized as a Supervisor.
33	No. of Research Scholars working for Masters & Ph. D	Nil	-	

\* Prepared for Academic Year 2021 - 2022

*S. V. R. D.*

*Govt*

*Pr. H. K. S.*



34	Major/Minor/Other Research Projects	Nil	C	Faculty members must apply for Research projects to funding Agencies.
35	Research Papers Published in previous academic year (International/ National )	Nil	-	Only 5 regular full time faculty in the dept. - Eltboats must be asked to recruit more regular faculty
36	Papers Presented in previous academic year (International/ National/ State )	Yes, 02 papers presented by Dr. S.S. Mekar and Dr. D. P. Pawar	B	- faculty must publish regularly in conference - faculty must publish 01 conference per year.
37	Books Published in previous Academic year ( Single Author/ Co Author)	Nil	-	





38	Seminars/Workshops Training Programme Conducted (International/ National/ State )	<p>Yes</p> <p>1. Online Quiz Competition on "Constitutional Democracy" held by department of Petrochemical Engg. Under the AKAM/675 on 25/08/2022.</p> <p>2. Poster Competition held by department of Petrochemical Engg. Under the AKAM/675 on 27/06/2022.</p> <p>3. Department has organized online webinar on "Career guidance for higher studies in abroad" on 14<sup>th</sup> Dec 2021 for second, third and final year students.</p> <p>4. Department has organized workshop on 'Awareness Program on Fire Fighting and Safety Precautions' (13/05/2022) for all the University students. Coordinator: Dr. S. S. Metkar and Prof. Harshada Jadhav.</p> <p>5. Department has organized workshop on "Introduction to ASPEN Plus" (17/06/2022) Coordinator: Dr. S. S. Metkar and Prof. Harshada Jadhav.</p>	A	
39	Record of Consultancy in previous academic year	Nil	C	- NO CONSULTANCY IN LAST-AY

• Prepared for Academic Year 2021 - 2022





Record of MoUs in previous academic year Nil

**V - EXTENSION ACTIVITIES**

NO MOU signed in last AY.  
 02 MOU should be done with IISIRI/industry for academic collaboration. (per year)



41	Record of Subject/Department Related Extension Activities	Workshop on 'Awareness Program on Fire Fighting and Safety Precautions' (13/05/2022) for all the University students. Coordinator: Dr. S. S. Meekar and Prof. Harshada Jadhav. Record of the event is maintained at Departmental Level.	A	
42	Name of the NSS PO & Mobile No.	Dr. H. N. Warhatekar, 9403316374	-	
43	NSS Attendance Register	Maintained at University level.	-	
44	NSS Activity Register	Maintained at the University level and the copy of the same is available in the department.	A	
45	Name of the NCC ANO & Mobile No.	Major. Dr. M. P. Bhargal, 9422096090	-	
46	NCC Attendance register	Maintained at the University level and the copy of the same is available in the department.	A	
47	NCC activity register	Maintained at the University level and the copy of the same is available in the department.	A	

Prepared for Academic Year 2021 - 2022

*[Signature]* *[Signature]* *[Signature]*

48	Name of the Professional Club Coordinator & Mobile No.	NA	-	Dept. should staff- Student chapter of professionals. conduct.
49	Professional Club Activities	NA	-	
50	Name of Women Empowerment Cell (WEC) coordinator & Mobile No.	Prof. S. P. Dhongade, 9960520092	-	
51	WEC Activities	Activities are conducted at the University Level. One of the events was coordinated by Dr. S. S. Metkar. Record is available.	B	01 activity conducted more activities have conducted.
52	Name of the Eco-Club Coordinator & Mobile No.	Dr. R. P. Kate, 9420057789	-	
53	Eco Club Activities	Conducted through Nature Club at University Level	-	
54	Name of the Consumer Club Coordinator & Mobile No.	Shree. Suresh Lad, 9975254439	-	
55	Consumer Club Activities	Established at the University level. Employee Society and Xerox facilities are monitored by Consumer Club, Dr. S. S. Metkar is a member.	-	

\* Prepared for Academic Year 2021 - 2022

56	Any other Club	Yes, activities are conducted at University level. Dr. V. S. Sargade is the University Coordinator. Dr. S.S Metkar is the coordinator of the artist club of the University.	--	
<b>VI - LEARNING RESOURCES</b>				
57	Name of the Librarian & Mob. No	Mr. Ajay Palkar (Library-in-charge) 9028647912		
58	Access timings of the Library	9.30 a.m. to 5.45 p.m. on working days. The library hours are extended during the time of final semester examinations.	B	Timing should be 8am to 8 pm.
59	Circulation of Books among Students	LIBMAN (Library Software) is used for circulation transaction. Library also runs book bank scheme sponsored by the Govt. of Maharashtra. <a href="http://dbatlibrary/opac">http://dbatlibrary/opac</a> or <a href="http://172.16.5.238/opac">http://172.16.5.238/opac</a> online public access catalogue is used.	A	
60	Availability of Previous years Question papers	Question bank is provided to University examination section. library, uploaded on University portal and available with individual faculty.	A	Yes available.
61	Record of Visitors	Maintained by University Library. The library is having open access.	--	

\*: Prepared for Academic Year 2021 - 2022





62	Status of Library Automation	The library is partially Computerized with the help of LIBMAN (Library Software). The circulation transaction, barcode generation, no dues certificates, reminder etc. work is carried out with the help of this software.	A	partially automated.
63	e-Lessons & e-Resources/ e-Journals	Various Journals and Resources are subscribed and available online.	A	
64	Usage of Internet by students in the Library	Library has separate computer section around 02 computers are available with internet connectivity for students for accessing online journals and e-books.	-	
65	Name of SWAYAM Coordinator & Mob. No	Dr. R. S. Pawade, 8698559938	-	
66	Status of SWAYAM facilities functioning	University is recognised as an ACTIVE Local Chapter.	A	
67	Whether SWAYAM schedule is circulated to the students	Yes, it is circulated by Dr. R. S. Pawade and Dr. S. L. Nalbarwar. The schedule was displayed on the notice board and was shared in official student whatsapp group.	A	Yes circulated.





68	Maintenance of SWAYAM Viewers' Register	Partially maintained at University Level by the concerned coordinator. One of the courses for each semester is mandatory from NPTEL / SWAYAM platform and respective subject faculty monitor the progress of the students.	A	
<b>VII - STUDENT SUPPORT ACTIVITIES</b>				
69	Name of the Physical/Sports Director & Mob.No	Dr. P. B. Lokhande 8600674584		
70	Record of Physical Education/Sports Department	Record is maintained at the University level and copy of the same is available in the Department.	A	
71	Records of events conducted	Record is maintained at the University level and copy of the same is available in the Department.	A	
72	Records of significant achievements in Sports & Games	Record is maintained at University level and copy of the same is available in the Department.	A	
73	Record of Cultural programmers conducted	Different events are conducted at departmental level and record is maintained.	A	
74	Record of any other extra-curricular activities conducted	Departmental students' participation record is maintained.	A	
75	Maintenance of Placement Cell facilities & records	Detailed record is maintained at university level and copy of the same is available in the Department. Dr. S. S. Melkar is the Department Training and Placement coordinator.	A	

\* : Prepared for Academic Year 2021 - 2022





76	Record of Student trained and placed	Record is available in the Department.	A	Internship records are maintained.
77	Name of Career Guidance Cell Coordinator & Mob.No.	Dr. S. S. Meekar, 8600172102	-	
78	Record of activities Career Guidance	Record is available in the Department.	A	
79	Departmental Review Committee (DRC) Coordinator & Mob. No.	Dr. S. S. Meekar, 8600172102	-	
80	Implementation of DRC Action Plan	Nil	B	• Separate DRC should be constituted.
81	IQAC activities & maintenance of records . (Action Plan/Minutes of Meeting/Proof of submission of AQAR to NAAC/Activity register etc)	IQAC at University level is in place. Dr. S. S. Meekar is the departmental coordinator & all the faculties are members of IQAC cell.	A	
82	Record of Support by Alumni Association	Alumni Association is placed at University level since Jan 2021. Alumni are actively involved in providing placement and internship to final year students. Departmental Alumni advisory committee is also in place and meetings are conducted in various regards.	A	

\*. Prepared for Academic Year 2021 - 2022

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83	Record of Grievance Redressal Cell / Anti Ragging cell	University Women Grievance cell is in place at the University level. Dr. S. S. Melkar is representing at University Level.	A	
84	Record of Anti Ragging cell	In place at the University level. Dr. S. M. Mhatre is representing at University level.	-	

**VIII - BASIC AMENITIES**

85	Maintenance of drinking water	Water coolers with adequate filtration facility are available.	-	
86	Maintenance of sanitation	Maintained by the University. Record is available in the department.	A	
87	Rest room for women students	Available at the University level on the ground floor. Record is available in the department.	A	Yes available.
88	Greenery	Maintained at the University level by Estate department.	-	
89	Cleanliness	Maintained at the University Level by Estate department. Record is available in the Department.	A	Record is available.
90	Health Care Facility	Available in the University campus. Dr. S. M. Mhatre is the Professor in charge.	A	
91	Canteen	Canteen is available in University campus.	-	

Prepared for Academic Year 2021 - 2022



*Dr. S. M. Mhatre*

*S. Mhatre*

**IX - GOVERNANCE AND LEADERSHIP**

92	Management Committee Register	Maintained at University level	--	
93	Functioning of Committees in Administration ( Minutes of meetings)	Yes, record of Minutes of BoS meeting and departmental meetings are available.	A	
94	Awards/Achievements	Prof. Lubna Rawoot received Elite for NPTEL Online Certification Course. Mr. Sahil Chavan received 2022 POSCO Asia Fellowship. Three Students qualified in GATE Examination. Record is available.	A	
95	Faculty development initiatives if any	Faculties encourage to attend workshops, STP's & FDP's. Record is available.	B	-faculty meet- conduct & participate in FDPs.




**X - IT INITIATIVES**

96	E-Class rooms ( Number & Usage)	LH 001 is in place and used by faculty members.	A	
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97	Internet Centre	Leased line from BSNL of 1 Gbps accessed through centralized facility (2 servers) at University level. Wi fi is available in faculty cabin and in computer laboratory for students.	A	Wi fi facility available
98	Computer labs ( No. of labs & working systems)	07	B	More computing facility is required.
<b>XI - Best Practices</b>				
99	Record of best/innovative practices by the Department	1. Online Induction Program is conducted for new entrants. 2. Aspen Plus workshop was organized for the students. Record are available.	B	- Partially available - needs improvement.
100	Department Activity Register & Hard Copy of AQAR of previous year (should be available with the HoD)	Available with the HoD.	A	Copies are available.
Signature of the HoD				Signatures of Academic Advisors 1. Prof. S. V. Pathi -  2. Dr. S. P. Ghuge - 

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

<b>Centre/SubCentre: Dr. B. A. Tech. University, Lonere-Campus</b>		<b>District: Raigad</b>	
1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad	
2	Name of the Faculty Member	Dr. Sangeeta S. Metkar	
3	Name of the subjects taught during academic year	Chemical Reaction Engg.- I, Process Dynamics and Control, Chemical Reaction Engg.-II, Chemical Reaction Engg.-I Lab. , Chemical Reaction Engg.-II Lab.	
4	Date of Joining in Degree College/Date of Joining in the present Institution	5/8/2004	Date of Retirement: 31/08/2038
	<b>Activity</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation</b>
			<b>Recommendation/Suggestions by Academic Advisors</b>
<b>Curricular Aspects</b>			
5	Annual Curricular plan	Yes, made available at the beginning of semester	A
6	Curriculum enrichment / Value addition	Assignments and extra reading work if any will be given during the semester. Videos were shown if required.	A
7	Whether conducting Add on Courses & role in conduct of course	Proposed one course for T.Y. and Final year students	B
			NPTF course should be increased.
8	Feedback from students	Student feedback was collected in the last week of each semester	A
<b>Teaching, Learning and Evaluation</b>			
9	Teaching Diary & Teaching Plan	Teaching diary and teaching plan prepared before beginning of the semester	A
10	Coverage of syllabus so far (%)	> 95%	A
11	Record of students attendance	Available in course file	A
12	Use of ICT - PPT & Audio-video Aids	Yes	A
13	Record of students assignments	Yes, available in course file and google classroom	A
14	Record of field trips	Yes, available	B
15	Record of student seminars conducted	Yes, available	<del>B</del>
			No. should be initiated
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes, quiz was conducted	A

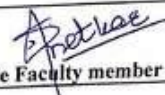
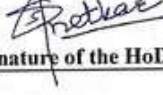


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S.No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
17	Other Student centric learning Methods	Conference paper presentation, Group presentations, Google classroom for every subject	A	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	Yes	B	Should improve
20	Record of internal examinations and University Exams	Yes, available in course file	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	CRE-I: 99%; PDC: 99 %; CRE-II: 85%; CRE-I Lab.: 100%; CRE-II Lab.: 100%	A	
22	Record of remedial classes conducted for slow learners	Tutorials are conducted.	B	Should engage classes
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	01 conference papers , 01 Jurnal paper in process	A	
24	Record of Student Projects	Yes, available	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes, available	A	
26	Record of extension work undertaken	Nil	C	
27	Record of MoUs, if any	Nil	C	Should improve
28	Record of Consultancy work	Nil	C	
<b>Infrastructure and learning Resources</b>				
30	Utilization of Departmental Library	NA	-	
30	Availability of CDs, Videos	Yes	B	Improve
31	Virtual labs / Open Educational Resources (OERs)	Yes, Available for CRE Lab.	B	Improve
	Development of any educational resource	Video lecture preparation for CRE subject in process	B	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes, available	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Yes, research papers for case studies, students' seminar and project work were referred.	B	Should Improve

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S.No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
35	Any Student team project for Technology Development	Yes	B	More Participation
<b>Governance and Leadership</b>				
36	Record of additional administrative responsibilities performed	Yes, 1. Head of the Department 2. Academic Council member 3. BoS member 4. Academic advisory committee chairman 5. Member of the women's grievance committee 6. member of book translation committee 7. Department training and placement coordinator 8. Department IQAC coordinator	A	
37	Record of innovative practices	No	C	Should improve
38	Any outstanding contribution	Can't say	-	
39	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
40	Maintenance of Departmental Activities Register	Yes	A	
41	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Yes, available	A	
				
Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.				
 				

Dr. Babasaheb Ambedkar Technological University				
Academic Audit of Engineering Colleges				
Format - II ( To be filled individually by Faculty Member)				
Centre/SubCentre: Dr. BATU. Lonere -Campus		District: Raigad		
1	Name of the College and Address	Department of Petrochemical Engineering ,DBATU, Lonere Raigad		
2	Name of the Faculty Member	Vasant P. Jawanjal		
3	Name of the Subject taught during academic year 2021-22	Chemical Process Calculation ,Chemical Engineering Thermodynamics - II, Petrochemical Engineering -II, Chemical Engineering Thermodynamics -II		
4	Date of Joining in Degree College/Date of Joining in the present Institution	26/09/1993	Date of Retirement:	26/06/2027
S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory) /C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
Curricular Aspects				
5	Annual Curricular plan	Yes - course schedule and evaluation made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made available	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	Register for NPTEL Course
8	Feedback from students	feed back collected at the semester end	B	Should Improve
Teaching, Learning and Evaluation				

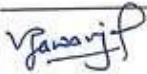
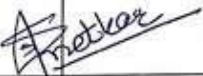
 

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory) /C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepared at the beginning	B	Should be updated		
10	Coverage of syllabus so far (%)	100	B			
11	Record of students attendance	available	B	Record is not available		
12	Use of ICT - PPT & Audio-video Aids	Yes	B	Should update		
13	Record of students assignments	Yes - available	B	Not available		
14	Record of field trips	No	C	Should be improve		
15	Record of student seminars conducted	Yes	A			
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes - Quiz was conducted	A			
17	Other Student centric learning Methods	No	C	Should be improved		
18	Record of Extension Lectures given	Yes	B	Should update		
19	Record of invited lectures arranged	No	C	Should improve		
20	Record of internal examinations and University Exams	Yes - Available	A			
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	A			
22	Record of remedial classes conducted for slow learners	No	C	Should improve		
Research, Extension and consultancy						






S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory) /C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	should improve		
24	Record of Student Projects	Yes available	A			
25	Record of seminars / workshops attended / organized /Papers presented	Yes	B	should update		
26	Record of extension work undertaken	Nil	C	} should improve		
27	Record of MoUs, if any	Nil	C			
28	Record of Consultancy work	Nil	C			
<b>Infrastructure and learning Resources</b>						
29	Utilization of Departmental Library	Yes	-			
30	Availability of CDs,Videos	Yes	B	should update		
31	Virtual labs / Open Educational Resources (OERs)	No	C	should		
	Development of any educational resource	No	C	improve		
<b>Student support and progression</b>						
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	A			
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A			
34	Newspaper clippings or other materials as additional resource	Nil	C	should		
	Any Student team project for Technology Development	No	C	improve		
<b>Governance and Leadership</b>						
35	Record of additional administrative responsibilities performed	Yes	A			
36	Record of innovative practices	Nil	C	should improve		
37	Any outstanding contribution	Can't Say	-			

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory) /C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A			
39	Maintenance of Departmental Activities Register	Yes	A			
40	<p>Check Departmental Documentation ( should be available with I/c of dept.)</p> <ol style="list-style-type: none"> <li>1. Dept. Time Table</li> <li>2. Faculty-wise Annual Curricular Plans</li> <li>3. Facultywise wise Teaching Diary &amp; Plans</li> <li>4. Departmental Activity Register along with documentary Evidences</li> <li>5. Faculty wise API formats along with Evidences</li> </ol>	Avialable	B	should be maintained		
	Signature of the Faculty member		Signature of the Head of Department			
	Note: the Format is to be filled by all the faculty and certified by the Principal/HOD and submitted to the Academic Audit Team.					




**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges 2021-2022**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU,  
Lonere -Campus

District: Raigad

- 1 Name of the College and Address Department of Petrochemical Engineering,  
DBATU, Lonere Raigad
- 2 Name of the Faculty Member Dr. Sonali M. Mhatre
- 3 Name of the Subject taught during academic year MTO-I, MTO-II, PDE-II and Elective III
- 4 Date of Joining in Degree College/Date of Joining in the present Institution 17/07/2013 Date of Retirement: 31/05/38

S.N	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C	Recommendation/ Suggestions by Academic Advisors
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**Curricular Aspects**

- |   |   |                         |  |   |
|---|---|-------------------------|--|---|
| 5 | Annual Curricular plan  | yes, with course file   |  | A |
| 6 | Curriculum enrichment / Value addition                        | yes, with course file   |  | A |
| 7 | Whether conducting Add on Courses & role in conduct of course | no                      |  | C |
| 8 | Feedback from students  | yes, departmental level |  | A |

**Teaching, Learning and Evaluation**

- |    |                                     |                       |  |   |
|----|-------------------------------------|-----------------------|--|---|
| 9  | Teaching Diary & Teaching Plan      | yes, with course file |  | A |
| 10 | Coverage of syllabus so far (%)     | yes, with course file |  | A |
| 11 | Record of students attendance       | yes, with course file |  | A |
| 12 | Use of ICT - PPT & Audio-video Aids | yes                   |  | A |
| 13 | Record of students assignments      | yes                   |  | B |
| 14 | Record of field trips               | departmental level    |  | C |

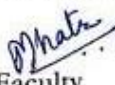
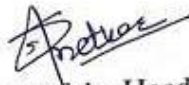



S.N o.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C	Recommendation/ Suggestions by Academic Advisors
15	Record of student seminars conducted	yes, departmental level	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	no	C	
17	Other Student centric learning Methods	use of google classroom, whatsapp groups	B	
18	Record of Extension Lectures given	no	C	}
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	yes	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	yes, departmental level	B	
22	Record of remedial classes conducted for slow learners	no	C	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	nil	C	
24	Record of Student Projects	yes	A	
25	Record of seminars / workshops attended / organized /Papers presented	yes	A	
26	Record of extension work undertaken		C	}
27	Record of MoUs, if any	nil	C	
28	Record of Consultancy work	nil	C	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library		—	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C	Recommendation/ Suggestions by Academic Advisors
30	Availability of CDs,Videos	Nptel lectures available in HD at university library	—	
31	Virtual labs / Open Educational Resources (OERs)	yes	B	
	Development of any educational resource	ppts, video lectures for classroom	A	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	nil	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes, on personal level.	A	
34	Newspaper clippings or other materials as additional resource	yes	B	
	Any Student team project for Technology Development	nil	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	yes	A	
36	Record of innovative practices		C	
37	Any outstanding contribution		—	
38	Whether above( related activities )entered in into Departmental Activities Register	yes	A	
39	Maintenance of Departmental Activities Register	yes	A	

S.N o.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C	Recommendation/ Suggestions by Academic Advisors
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary yes & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences		B	
	Signature of the Faculty member			 Signature of the Head of Department
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			
				

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

Centre/SubCentre: Dr. BATU, Lonere - Campus

District: Raigad

1 Name of the College and Address Department of Petrochemical Engineering, Dr. BATU, Lonere Raigad.  
 2 Name of the Faculty Member Pradip S. Nande  
 3 Name of the Subject taught during academic year 2021-22 1. Process Design, Flowsheeting & Simulation Lab 2. Process Instrumentation and Control  
 4 Date of Joining in Degree College/Date of Joining in the present Institution 16-06-2021 Date of Retirement: 31-12-2021

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good) B( Satisfactory) C (poor) after Observation	Recommendation Suggestions by Academic Advisors
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**Curricular Aspects**

5	Annual Curricular plan	Yes - course schedule is available at the beginning of semester.	A	
6	Curriculum enrichment / Value addition		A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	should be improved.
8	Feedback from students	feedback collected at the end of semester	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Available in Course File	A	
10	Coverage of syllabus so far (%)	More than 90	A	
11	Record of students attendance	Yes, available in Course File	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	A	
13	Record of students assignments	No	C	should be improved.
14	Record of field trips	No	C	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	should be updated
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	C	
19	Record of invited lectures arranged	No	C	
20	Record of internal examinations and University Exams	Yes -Available in Course File	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	1. Process Design, Flowsheeting & Simulation Lab 2. Process Instrumentation and Control	A	
22	Record of remedial classes conducted for slow learners	No	C	should be updated

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	should be improved
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	should be improved
27	Record of MoUs, if any	Nil	-	
28	Record of Consultancy work	Nil	-	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	-	
30	Availability of CDs, Videos	No	C	} should be updated
31	Virtual labs / Open Educational Resources (OERs)	No	C	
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Organized webinar on "Career Guidance for Higher Studies in Abroad" on 14 December 2021.	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	No	C	} should be updated
34	Newspaper clippings or other materials as additional resource	Nil	C	
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	B	should be updated
36	Record of innovative practices	Nil	-	
37	Any outstanding contribution	No	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	






S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/ Suggestions by Academic Advisors
	Check Departmental Documentation ( should be available with l/c of dept.)			
	1. Dept. Time Table			
	2. Faculty-wise Annual Curricular Plans			
40	3. Facultywise wise Teaching Diary & Plans Avialable -			
	4. Departmental Activity Register along with documentary Evidences			
	5. Faculty wise API formats along with Evidences			

A

Signature of the Faculty member

  
Signature of the Head of Department

Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team

(PS Nande)





**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

	<b>Centre/SubCentre: Dr. BATU. Lonere -Campus</b>		<b>District:</b>	<b>Raigad</b>
1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Rawoot Lubna Yunus		
3	Name of the Subject taught during academic year	<b>Odd Sem:</b> Elective IV (APR) BTCHE705, Petrochemical Engineering II BTGCC505, Petrochemical Synthesis Lab PC709 <b>Even sem:</b> Petrochemical Engineering II BTGCC404, Process Economics & Project Management BTCHC603, Chemical Reaction Engineering II Lab BTCHL609		
4	Date of Joining in Degree College/Date of Joining in the present Institution	6/16/2021	Date of Retirement:	5/14/2022
S.N	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	were made available. As well as videos were shown regarding different topics	A	
7	Whether conducting Add on Courses & role in conduct of course	no	C	should be improved.
8	Feedback from students	feedback collected at the end of semester	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	yes, available in course file	A	
10	Coverage of syllabus so far (%)	100%	A	
11	Record of students attendance	yes, available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	no	C	should be improved.
13	Record of students assignments	yes	A	
14	Record of field trips	-	C	should be improved.
15	Record of student seminars conducted	yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	no	C	should be improved.
17	Other Student centric learning Methods	Google classroom for every subject and lab for sharing relevant study material, you tube videos for experiments	A	



S.No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
18	Record of Extension Lectures given	no	C	should be improved
19	Record of invited lectures arranged	no	C	
20	Record of internal examinations and University Exams	Internal exam record is available.	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)		-	
22	Record of remedial classes conducted for slow learners	no	C	should be improved.
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	no	C	should be improved.
24	Record of Student Projects	yes	A	
25	Record of seminars / workshops attended / organized /Papers presented	yes	A	
26	Record of extension work undertaken	nil	-	
27	Record of MoUs, if any	nil	-	
28	Record of Consultancy work	nil	-	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	nil	-	
30	Availability of CDs,Videos	no	-	
31	Virtual labs / Open Educational Resources (OERs)	not available for Petrochemical Engineering labs	-	
	Development of any educational resource	no	C	should be improved
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	nil	C	should be improved
33	Mentoring / Counselling to students for curricular and co-curricular activities	yes	A	
34	Newspaper clippings or other materials as additional resource	referred some research papers for case studies	B	
	Any Student team project for Technology Development	no	C	should be improved
<b>Governance and Leadership</b>				

S.No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
35	Record of additional administrative responsibilities performed	Departmental Exam Co-ordinator, Third year class teacher	A	
36	Record of innovative practices	no	C	Should be improved
37	Any outstanding contribution	no	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	-	-	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	yes	A	
Signature of the Faculty member		<i>Ramot</i>	Signature of the Head of Department <i>A. Prakash</i>	
Note: the Format is to be filled by all the faculty and certified by the Principal /HOD and submitted to the Academic Audit Team.				

*Ramot*      *Prakash*

Dr. Babasaheb Ambedkar Technological University				
Academic Audit of Engineering Colleges				
Format - II ( To be filled individually by Faculty Member)				
Centre/SubCentre: Dr. BATU. Lonere -Campus			District:	Raigad
1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Harshada Ramesh Jadhav		
3	Name of the Subject taught during academic year	Odd Sem:Unit Operation -I, Petrochemical Processes Even Sem:Unit Operation II, Plant Utilities and Plant Safety.		
4	Date of Joining in Degree College/Date of Joining in the present Institution	15/01/2021	Date of Retirement:	
S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule made available at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment & notes were made available. As well as videos were shown regarding different topics.	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	Should be improved
8	Feedback from students	feedback collected at the end of semester	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, available in course file	A	
10	Coverage of syllabus so far (%)	100%	A	
11	Record of students attendance	Yes, available in course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	Should be updated
13	Record of students assignments	Yes	A	
14	Record of field trips	Industrial Visit Report available in department.	A	
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes	B	Should be updated
17	Other Student centric learning Methods	Google classroom for every subject and lab for sharing relevant study material, you tube videos for experiments	A	

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
18	Record of Extension Lectures given	No	-	
19	Record of invited lectures arranged	Yes, Record Available in department.	A	
20	Record of internal examinations and University Exams	Internal exam record is available.	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years (paper wise)	Yes	B	Should be Updated
22	Record of remedial classes conducted for slow learners	Yes, Tutorial Classes Conducted	B	
<b>Research, Extension and consultancy</b>				
23	Record of Research work (Paper publication, Book publication, Articles)	No	C	Should be improved
24	Record of Student Projects	Yes	A	
25	Record of seminars / workshops attended / organized Papers presented	No	A	
26	Record of extension work undertaken	Nil	C	Should be improved
27	Record of MoU's, if any	Nil	-	
28	Record of Consultancy work	Nil	-	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Nil	-	
30	Availability of CDs, Videos	No	C	Should improve
31	Virtual labs / Open Educational Resources (OERs)	Yes	B	
	Development of any educational resource	No	C	Should be improved
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes, Record Available in department.	A	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Referred some research papers for case studies	B	Should be updated
	Any Student team project for Technology Development	No	C	Should be improved
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	PEISA Coordinator, Departmental Timetable Coordinator, NAAC, Second year class teacher, Examination Work	A	
36	Record of innovative practices	No	C	Should improve
37	Any outstanding contribution	No	-	




  
 Page 2 of 3

S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Yes	A	
	Signature of the Faculty member	<i>Padhan</i>	Signature of the Head of Department	
	Note: the Format is to be filled by all the faculty and certified by the Principal and submitted to the Academic Audit Team.			

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**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Engineering Colleges**  
**Format - II ( To be filled individually by Faculty Member)**

	<b>Centre/SubCentre: Dr. BATU. Lonere - Campus</b>		<b>District:</b>	<b>Raigad</b>
1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad		
2	Name of the Faculty Member	Dr. Deepali M. Pawar		
3	Name of the Subject taught during academic year	EEE, EQMA, MTO-I Lab, MTO-II Lab, PIC Lab, UO-II Lab , TP		
4	Date of Joining in Degree College/Date of Joining in the present Institution	25 July, 2022	Date of Retirement:	26-Jun-23
<b>S.No.</b>	<b>Activity</b>	<b>Status ( Give Details, not just Yes/No)</b>	<b>Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation</b>	<b>Recommendation/Suggestions by Academic Advisors</b>
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes	A	
6	Curriculum enrichment / Value addition	Yes	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	should be improved.
8	Feedback from students	Yes, departmental	A	
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Yes, attached with course file	A	
10	Coverage of syllabus so far (%)	90 to 95%	A	
11	Record of students attendance	Yes, attached with course file	A	
12	Use of ICT - PPT & Audio-video Aids	Yes, attached with course file	A	



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S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
13	Record of students assignments	Yes, attached with course file		
14	Record of field trips	No	C	should be improved
15	Record of student seminars conducted	Yes, attached with course file	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	No	C	should be improved
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	No	-	
19	Record of invited lectures arranged	No	-	
20	Record of internal examinations and University Exams	Yes, attached with course file	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	EEE = 95 % , EQMA = 95 % , MTO-I Lab = 95% , MTO-II Lab = 100% , TP = 95 % , PIC Lab = 90 % , UO - II Lab 100 %	A	
22	Record of remedial classes conducted for slow learners	No	C	should be improved
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Yes	A	
24	Record of Student Projects	Yes	A	




S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	No	C	should be improved.
27	Record of MoUs, if any	No	—	
28	Record of Consultancy work	No	—	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	No	—	
30	Availability of CDs, Videos	NPTEL lectures disk is available	B	should be updated
31	Virtual labs / Open Educational Resources (OERs)	Yes, shown you tube videos for some experiments and theory( attached record)	A	
	Development of any educational resource	No	C	should be improved
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	No	C	
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Yes	B	should be updated

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S.No.	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
	Any Student team project for Technology Development	-	C	should be improved
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	No	C	
36	Record of innovative practices	-	-	
37	Any outstanding contribution	Nil	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	B	should be updated
39	Maintenance of Departmental Activities Register	Yes	A	
40	<p>Check Departmental Documentation ( should be available with I/c of dept.)</p> <p>1. Dept. Time Table</p> <p>2. Faculty-wise Annual Curricular Plans</p> <p>3. Facultywise wise Teaching Diary &amp; Plans</p> <p>4. Departmental Activity Register along with documentary Evidences</p> <p>5. Faculty wise API formats along with Evidences</p>	Yes	A	

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S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
Note: the Format is to be filled by all the faculty and certified by the Principal/HOD and submitted to the Academic Audit Team.						


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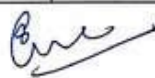
Dr. Babasaheb Ambedkar Technological University					
Academic Audit of Engineering Colleges					
Format - II ( To be filled individually by Faculty Member)					
Centre/SubCentre: Dr. BATU. Lonere -Campus		District: Raigad			
1	Name of the College and Address	Department of Petrochemical Engineering .DBATU, Lonere Raigad			
2	Name of the Faculty Member	Prof. Prajakta Pore			
3	Name of the Subject taught during academic year 2021-22	CRE-II Lab, PCPI, PUPS			
4	Date of Joining in Degree College/Date of Joining in the present Institution	15 Jan. 2020	Date of Retirement:	14 Dec. 2021	
S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors	
<b>Curricular Aspects</b>					
5	Annual Curricular plan	Yes - course schedule and evaluation made available at the beginning of semester	A		
6	Curriculum enrichment / Value addition	Assignment made available	B	Should be maintained	
7	Whether conducting Add on Courses & role in conduct of course	No	C	Register for NPTEL Course	




S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
8	Feedback from students	feed back collected at the semester end	A			
<b>Teaching, Learning and Evaluation</b>						
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepared at the beginning	A			
10	Coverage of syllabus so far (%)	100				
11	Record of students attendance	available	A			
12	Use of ICT - PPT & Audio-video Aids	Yes	B	should be updated		
13	Record of students assignments	Yes - available	B	should be updated		
14	Record of field trips	No	C	should be improved		
15	Record of student seminars conducted	Yes	A			
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	should be improved		
17	Other Student centric learning Methods	No	C	should be improved		
18	Record of Extension Lectures given	Yes	B	should be updated		
19	Record of invited lectures arranged	No	C	should be improved		




S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
20	Record of internal examinations and University Exams	Yes -Avialable	A			
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	A			
22	Record of remedial classes conducted for slow learners	No	C	should be improved-		
<b>Research, Extension and consultancy</b>						
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	should be improved		
24	Record of Student Projects	Yes avialable	A			
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A			
26	Record of extension work undertaken	Nil	C	should be improved-		
27	Record of MoUs, if any	Nil	—			
28	Record of Consultancy work	Nil	—			
<b>Infrastructure and learning Resources</b>						
29	Utilization of Departmental Library	Yes	—			
30	Availability of CDs, Videos	Yes	B	should be updated		
31	Virtual labs / Open Educational Resources (OERs)	No	C	should be		
	Development of any educational resource	No	C	improved.		
<b>Student support and progression</b>						
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	B	should be updated		

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	Should be updated
	Newspaper clippings or other materials as additional resource	Nil	C	Should be
	Any Student team project for Technology Development	No	C	implemented.
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	B	Should be updated
36	Record of innovative practices	Nil	—	
37	Any outstanding contribution	Can't Say	—	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A	
Signature of the Faculty member			Signature of the Head of Department	

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S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
Note: the Format is to be filled by all the faculty and certified by the Principal/HOD and submitted to the Academic Audit Team.						

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Dr. Babasaheb Ambedkar Technological University					
Academic Audit of Engineering Colleges					
Format - II ( To be filled individually by Faculty Member)					
Centre/SubCentre: Dr. BATU, Lonere -Campus		District: Raigad			
1	Name of the College and Address	Department of Petrochemical Engineering, DBATU, Lonere Raigad			
2	Name of the Faculty Member	Prof. Vijaya Satghare			
3	Name of the Subject taught during academic year 2021-22	PE-II, PE-II Lab, Elective -III			
4	Date of Joining in Degree College/Date of Joining in the present Institution	15 Jan. 2020	Date of Retirement:	14 Dec. 2021	
S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors	
Curricular Aspects					
5	Annual Curricular plan	Yes - course schedule and evaluation made available at the beginning of semester	A		
6	Curriculum enrichment / Value addition	Assignment made available	A		
7	Whether conducting Add on Courses & role in conduct of course	No	C	Should be improved.	

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
8	Feedback from students	feed back collected at the semester end	B	should be improved.
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepaed at the beginning	A	
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	should be updated
13	Record of students assignments	Yes - available	B	should be updated (Record)
14	Record of field trips	No	C	should be improved.
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	should be Updated
17	Other Student centric learning Methods	No	C	
18	Record of Extension Lectures given	Yes	B	
19	Record of invited lectures arranged	No	C	should be improved




S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	A	
22	Record of remedial classes conducted for slow learners	No	C	should be updated
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	should be updated
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	should be improved,
27	Record of MoUs, if any	Nil	—	
28	Record of Consultancy work	Nil	—	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	—	
30	Availability of CDs, Videos	Yes	B	should update
31	Virtual labs / Open Educational Resources (OERs)	No	C	should be improved.
	Development of any educational resource	No	C	
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	B	Should be updated

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/ C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	B	should be updated		
(	Newspaper clippings or other materials as additional resource	Nil	C	should be		
	Any Student team project for Technology Development	No	C	improved.		
<b>Governance and Leadership</b>						
35	Record of additional administrative responsibilities performed	Yes	B	should be updated		
36	Record of innovative practices	Nil	C	should be improved.		
37	Any outstanding contribution	Can't Say	-			
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A			
39	Maintenance of Departmental Activities Register	Yes	A			
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Avialable	A			
Signature of the Faculty member			Signature of the Head of Department			



*[Handwritten signatures]*

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
Note: the Format is to be filled by all the faculty and certified by the Principal/HOD and submitted to the Academic Audit Team.						





Dr. Babasaheb Ambedkar Technological University				
Academic Audit of Engineering Colleges				
Format - II ( To be filled individually by Faculty Member)				
	Centre/SubCentre: Dr. BATU. Lonere -Campus		District: Raigad	
1	Name of the College and Address	Department of Petrochemical Engineering .DBATU, Lonere Raigad		
2	Name of the Faculty Member	Prof. Vidyabal Pawar		
3	Name of the Subject taught during academic year 2021-22	NMCP, PEDD, PDE, CRE-I, PEDD Lab		
4	Date of Joining in Degree College/Date of Joining in the present Institution	15 Jan. 2020	Date of Retirement:	14 Dec. 2021
S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B( Satisfactory)/ C (poor) after Observation	Recommendati on/Suggestions by Academic Advisors
<b>Curricular Aspects</b>				
5	Annual Curricular plan	Yes - course schedule and evaluation made avialable at the beginning of semester	A	
6	Curriculum enrichment / Value addition	Assignment made avialable	A	
7	Whether conducting Add on Courses & role in conduct of course	No	C	Should be improved

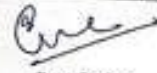



S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
8	Feedback from students	feed back collected at the semester end	B	should be updated
<b>Teaching, Learning and Evaluation</b>				
9	Teaching Diary & Teaching Plan	Teaching plan and diary prepared at the beginning	B	should be improved.
10	Coverage of syllabus so far (%)	100	A	
11	Record of students attendance	available	A	
12	Use of ICT - PPT & Audio-video Aids	Yes	B	should be updated
13	Record of students assignments	Yes - available	A	
14	Record of field trips	No	C	should be updated
15	Record of student seminars conducted	Yes	A	
16	Record of academic competitions conducted if any (Quiz, Role play)	Yes -Quiz was conducted	B	should be updated
17	Other Student centric learning Methods	No	C	should be improved.
18	Record of Extension Lectures given	Yes	B	
19	Record of invited lectures arranged	No	C	should be improved

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S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
20	Record of internal examinations and University Exams	Yes -Avialable	A	
21	Pass percentage of University Exams / Semester in respective subject for the last three years.(paper wise)	Yes- Available in APR	B	should be updated
22	Record of remedial classes conducted for slow learners	No	C	should be improved.
<b>Research, Extension and consultancy</b>				
23	Record of Research work (,Paper publication, Book publication, Articles)	Nil	C	
24	Record of Student Projects	Yes avialable	A	
25	Record of seminars / workshops attended / organized /Papers presented	Yes	A	
26	Record of extension work undertaken	Nil	C	should be improved.
27	Record of MoUs, if any	Nil	-	
28	Record of Consultancy work	Nil	-	
<b>Infrastructure and learning Resources</b>				
29	Utilization of Departmental Library	Yes	-	
30	Availability of CDs, Videos	Yes	B	should be updated
31	Virtual labs / Open Educational Resources (OERs)	No	C	should be
	Development of any educational resource	No	C	improved
<b>Student support and progression</b>				
32	Record of Activities conducted to contribute to the students' career opportunities	Yes	A	

S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors
33	Mentoring / Counselling to students for curricular and co-curricular activities	Yes	A	
34	Newspaper clippings or other materials as additional resource	Nil	C	Should be improved.
	Any Student team project for Technology Development	No	C	
<b>Governance and Leadership</b>				
35	Record of additional administrative responsibilities performed	Yes	A	
36	Record of innovative practices	Nil	C	Should be improved.
37	Any outstanding contribution	Can't Say	-	
38	Whether above( related activities )entered in into Departmental Activities Register	Yes	A	
39	Maintenance of Departmental Activities Register	Yes	A	
40	Check Departmental Documentation ( should be available with I/c of dept.) 1. Dept. Time Table 2. Faculty-wise Annual Curricular Plans 3. Facultywise wise Teaching Diary & Plans 4. Departmental Activity Register along with documentary Evidences 5. Faculty wise API formats along with Evidences	Available	A	
Signature of the Faculty member			Signature of the Head of Department	

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S. No	Activity	Status ( Give Details, not just Yes/No)	Impression of Academic Advisor along with grade A(Good)/B(Satisfactory)/C (poor) after Observation	Recommendation/Suggestions by Academic Advisors		
<p>Note: the Format is to be filled by all the faculty and certified by the Principal/HOD and submitted to the Academic Audit Team.</p>						

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C.

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Degree Colleges**

**Format for Student Strength Particulars**

Date of Audit: 9/11/2022  
 Name of the Department: Department of Petrochemical Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere

Year: 2021-2022

Sr No	GROUP	COMBINATION	YEAR	SANCTIONED STRENGTH	ADMITTED STRENGTH																					
					Total MEN	Total WOMEN	TOTAL	SC (M)	SC (W)	ST (M)	ST (W)	NT/DT (M)	NT/DT (W)	OBC (M)	OBC (W)	SBC (M)	SBC (W)	VJ (M)	VJ (F)	Open (M)	Open (F)					
1	UG	Petrochemical	I	60+3	11	1	12	2	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
2	UG	Petrochemical	II	63-15	42	3	45	6	0	0	0	0	2	0	14	0	0	1	1	1	0	0	19	0	2	
3	UG	Petrochemical	III	63-16	41	10	57	7	1	0	0	0	3	2	16	6	4	2	1	0	0	14	1	1	1	
4	UG	Petrochemical	IV	63-17	63	13	76	7	4	0	0	0	3	0	23	5	1	0	0	0	0	0	29	4	3	

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 Dr. S. S. Nethkar

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Department of Petrochemical Engineering**  
**Action Taken Report by Head of the Department(ATR)**

**I - DEPARTMENT PROFILE**

1	Name of the College, Website, email and Ph.No.	Department of Petrochemical Engineering, Dr. B. A. Tech. University, Lonere Campus		
2	Name of the Hod, email & Mob.No	Dr. S. S. Meekar, ssmekar@dbatu.ac.in, 9403454069/ 8600172102		
3	Name of the Vice-Principal, email & Mob. No.	Not applicable		
4	Name of the IQAC Coordinator, email & Mob. No.	Dr. M. S. Tandale, mstandale@dbatu.ac.in, 9423215468		
5	Year of Establishment & own land if any	1989. Yes		
6	NBA accreditation	Not at present, Accreditation twice in the past i.e 2003-2006, 2007-2012		
7	NAAC Grade with Cycle, Accredited Year & CGPA (if not Accredited Status of Preparations)	B grade, First cycle 2015.2.35 NAAC Executive Committee No. and Date - EC(SC) 05_A & A_083 dated 3-3-2015-Dr Babasaheb Ambedkar Technological University, Lonere- Raigad- Maharashtra		
8	UGC Recognition (2F & 12 B)	Yes		
9	Department Working Hours (if shift system mention details of both shifts & give reasons for shift system)	8.00 a.m. - 6.00 p.m.		
10	No. of Posts Sanctioned: 07	Regular Faculty Working: 03	Contract Faculty Working: 07	Visiting Faculty: Nil
11	Course wise & Year wise Students strength particulars ( Proforma enclosed & to be submitted along with AAR)	Copy attached.		







## II - CURRICULAR ASPECTS

Item	Recommendation/Suggestions by Academic Advisors A(Good)/B(Satisfactory)/C (poor) after observation for AY 2020-2021		Action Taken by the Head of Department in AY 2021-2022
	Grade	Recommendation	
12	Implementation of Annual Institutional Plan	A	
13	Departmental Annual Curricular Plans	A	
14	Whether above two circulated among students	A	
15	Departmental Activity Register during the academic year	A	
16	Departmental Calender/ Department Magazine	B	Departmental magazine has been prepared for AY 2021-2022
17	Add-on Courses (Department-wise) completed during 2021-2022	A	Good initiative, should be continued and more students should take it.
18	Add-on Courses (Department-wise) in 2021-2022	A	
19	Coverage of Syllabus (Average Percentage)	A	
20	Teaching of Humanities & Foundation Courses	B	Students across psychological nature, mind intelligence, ego and its interconnection. Present in curriculum
21	No. of New UG & PG Courses introduced this year:	A	
22	Maintenance of Student Attendance Registers	A	Good record keeping

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### III - TEACHING, LEARNING & EVALUATION

23	Teaching Diaries & Plans in the Prescribed Formats	A	Good diary maintained	
24	Co-Curricular Activities ( Department Level)	B	Department should conduct activities after pandemic.	Co-curricular activities has been conducted for AY 2021-2022
25	Academic Competitions ( Department & Above level)	B	Online student participation should be encouraged even during offline college.	Participation increased
26	Conduct of Internal Examinations	A		
27	Subject wise result analysis	A		
28	Teacher wise result analysis	A		
29	Remedial Classes			
30	Record of Evaluation of Teachers by Students	A	Good record is maintained.	

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**4 - RESEARCH AND CONSULTANCY**

31	Is the Department a Recognized Research Centre?	No		
32	No. of Research Guides in the College	Nil	Need to try to get registered Ph. D. guide	Looking forward for getting registered Ph.D. guide.
33	No. of Research Scholars working for Masters & Ph. D	NA		
34	Major/Minor/Other Research Projects	Nil		
35	Research Papers Published in previous academic year ( International /National )	B	Collaborative efforts are required	Still need more focus
36	Papers Presented in previous academic year ( International /National/ State )	B	Other Faculty members should contribute	Still need more focus
37	Books Published in previous academic year(Single Author/ Co Author)	Nil		
38	Seminars/ Workshops/ Training Programme Conducted in previous academic year International /National/ State )	A	Good, nicely done	
39	Record of Consultancy in previous academic year	Nil		
40	Record of MOUs in previous academic year	Nil		

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**V - EXTENSION ACTIVITIES**

41	Record of Subject/Department Related Extension Activities	Nil		
42	Name of the NSS PO & Mobile No.	B		Record is available.
43	NSS Attendance register	NA		
44	NSS activity register	NA		Maintained record is available.
45	Name of the NCC ANO & Mobile No.	B		Record is available.
46	NCC Attendance register	NA		
47	NCC activity register	NA		Maintained record is available.
48	Name of the Professional Club Coordinator & Mobile No.	NA		
49	Professional Club Activities	NA		
50	Name of the Women Empowerment Cell(WEC) Coordinator & Mobile No.	B		Record is available.
51	WEC Activities	B		Record is available.
52	Name of the Eco-Club Coordinator & Mobile No.	B		Record is available.
53	Eco- Club Activities	B		Conducted through nature club at University level
54	Name of the Consumer Club Coordinator & Mobile No.	B		Record is available.
55	Consumer Club Activities	NA		
56	Any other Club	NA		

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VI - LEARNING RESOURCE A

57	Name of the Librarian & Mob.No	B		Record is available.
58	Access timings of the Library	B		Record is available.
59	Circulation of Books among Students	B		Record is available.
60	Availability of Previous years Question papers	B		Question bank is provided to exam section, library, uploaded on University portal and available with individual faculty.
61	Record of Visitors	NA		
62	Status of Library Automation	B		Record available at University and department level.
63	e-Resources & e-Journals	A		Record is available.
64	Usage of Internet by students in the Library	B		Library has separate arrangement of 2 computers available with internet connectivity for accessing online journals and e-books.
65	Name of SWAYAM Coordinator & Mob.No	B		Record is available.
66	Status of SWAYAM facilities functioning	B		Record available at University Level

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67	Whether SWAYAM schedule is circulated to the students	H	G	Yes, it is circulated by Dr. R. S. Pawade and Dr. S. L. Nalshwar. The schedule was displayed on the notice board and was shared in official student whatsapp groups.
68	Maintenance of SWAYAM Viewers' Register	NA		Partially maintained at University Level by the concerned coordinator. One of the courses for each semester is mandatory from NPTEL / SWAYAM platform and respective subject faculty monitor the progress of the students.

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### XI - STUDENT SUPPORT ACTIVITIES

69	Name of Physical Director & Mob.No	N/A		
70	Record of Physical Education/ Sports Department	N/A		Pl:SA faculty co-ordinator looking after the activities
71	Records of events conducted and significant achievements in Sports & Games			Record is available.
72	Record of cultural programmes conducted			Record is available.
73	Record of any other extra-curricular activities conducted			Record is available.
74	Maintenance of placement facilities & records	A		
75	Record of Students trained in different verticals	B		Record is available. Improvement in AY 2021-2022.
76	Record of Student trained and placed	B		Record is available. Improvement in AY 2021-2022.
77	Name of Career Guidance Coordinator and Mob.No	B		Record is available.
78	Record of activities (Career Guidance and placement cell)			
79	Name of Department Review Committee Coordinator & Mob. No.	B		Record is available.
80	Implementation of DRC Action Plan	N/A		
81	IQAC activities & maintenance of records. (Action Plan/Minutes of Meeting/ submission of AQAR to NAAC etc)	N/A		




82	Record of Support by Alumni Association	B		Alumni association is in place. Alumni advisory committee in place. Helping in placement and internship.
83	Record of Grievance Redressal Cell / Anti Ragging Cell	B		Record is available at University Level.
84	Record of Anti Ragging cell	B		Record is available at University Level.

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VIII - BASIC AMENITIES

85	Maintenance of drinking water	B	-	Water coolers with adequate filtration facility are available
86	Maintenance of Sanitation	B	-	Maintained by the University. Record is Available.
87	Rest room for women students		-	Maintained by the University. Record is Available.
88	Greenery	B	-	Maintained by the University.
89	Cleanliness	B	-	Maintained by the University. Record is Available.
90	Health Care Facility	B		Available in the University campus.
91	Canteen			

IX - GOVERNANCE AND LEADERSHIP

92	Management Committee Register	N/A		
93	Functioning of Committees in Administration (Minutes of Meetings)	A		
94	Awards/Achievements	A		
95	Faculty development initiatives if any	A		

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**X - IT INITIATIVES**

96	e-class rooms ( Number & Usage)	B		LH001 is in place.
97	Internet Centre	B		Leased line from BSNL of 1 Gbps accessed through centralized facility ( 2 server ) at University level. Wi fi is available in faculty cabin and in computer laboratory for students.
98	Computer labs ( No. of labs & working systems)	B		Plan is in place to improve current status.

**XI - BEST PRACTICES**

99	Record of best/innovative practices by the Department	B		1. Online induction program is conducted for new students. 2. Personality development courses (Soft skill and Communication skills)
100	Departmental Activity Register & Hard Copy of AQAR previous academic year ( should be available with the HoD)	B		Available with the HoD
<b>Over All Impression on the Department</b>		A		

Signature of the Head of Department



Signature of Academic Advisors

1 

2 

**Dr. Babasaheb Ambedkar Technological University**  
**Academic Audit of Petrochemical Engineering Department**  
**Format for submission of Academic Advisors Report (AAR)**  
**Name of the Department: Petrochemical Engineering**

Sr.No	Item	Grade *	Impression
1	Conduct of Classes	A	—
2	Co-Curricular Activities & Extra-Curricular Activities	B	5 Activities conducted during Academic year No of Faculties to be increased.
3	College Activity Register	A	—
4	Departmental Activity Registers	A	—
5	Discipline in the campus	A	—
6	IQAC	A	—
7	Placement	A	—
8	Departmental research	B	Faculty must publish regularly in conference Faculty must publish conferences/year
9	Career Guidance Cell	A	—
10	SWAYAM facilities	A	—
11	Library	A	—
12	Research & Laboratories	C	Only 3 regular full time faculty in the dept. E-Work may be taken to recruit more faculty
13	Games & Sports	A	—
14	Humanities and Foundation Courses	A	—
15	Teacher Evaluation by Students	A	—
16	Maintenance of Registers	A	—
17	Teaching Diaries & Plans	A	—
18	NCC / NSS	A	—
19	Women Empowerment Cell	B	01 Activity conducted. More activities to be conducted

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Sr.No	Item	Grade *	Impression
20	Professional Club	-	
21	Sanitation & drinking water	A	
22	Cleanliness	A	
23	Functioning of Teachers	A	
24	Over All Impression on the Department	A	
25	Any other important observation		

\* A (Good) / B (Satisfactory) / C (Poor)

Signature of Academic Advisors:

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## Academic Audit Summary Sheet: Petrochemical Engineering Department

**Institution:** Dr. Babasaheb Ambedkar Technological University Lonere-Raigad

**Program Title:** B. Tech. in Petrochemical Engineering

**Academic Audit Status:** Present one 2021-2022 (09/11/2022)

**First Academic Audit 2014-2015 & 2015-2016 (16/10/2016)**

**Second Academic Audit 2016-2017 (31/07/2017)**

**Third Academic Audit 2017-2018 (09/02/2019)**

**Fourth Academic Audit 2018-2019 (20/11/2019)**

**Fifth Academic Audit 2019-2021 & 2020-2021 (22/10/2021)**

Each undergraduate program undergoes either an academic audit or external peer review.

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

A check-mark should be placed in the appropriate box to indicate whether a program has "met" or "not met" each criterion in the table. If the % is less than 50% of the target value then the program has not met the objective of the Program.

If a particular criterion is inappropriate or not applicable to the program, the criterion should be marked "NA".

When combined with the self-study and the written report prepared by the visiting team, the Summary Sheet will facilitate institutional development of a program action plan to ensure continuous quality improvement.

### AUDIT TEAM

**Name:** Dr. S. L. Patil

**Title:** Professor

**Institution:** College of Engineering Pune

**Signature:**

**Date :** 09/11/2022

**Name:** Dr. S. P. Ghuge

**Title:** Principal Scientist

**Institute:** CSIR-National Chemical  
Laboratory Pune

**Signature:**

**Date :** 09/11/2022

## ACADEMIC AUDIT SUMMARY SHEET

**Institution/University Department:** Petrochemical Engineering

**Program Title:** B.Tech. in Petrochemical Engineering

**Degree Level:** Undergraduate Program

**Academic Audit Status:** Present one 2021-2022 (09/11/2022)

First Academic Audit 2014-2015 & 2015-2016 (16/10/2016)

Second Academic Audit 2016-2017 (31/07/2017)

Third Academic Audit 2017-2018 (09/02/2019)

Fourth Academic Audit 2018-2019 (20/11/2019)

Fifth Academic Audit 2019-2021 & 2020-2021 (22/10/2021)

### EVALUATION RESULTS

Sr. No.		Met / not met	% achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member has prepared Course Files as per the learning objectives of the program	M	85
1.2	The Faculty member has shared his course file with the students of the class through Intranet/ Social media or any other means	M	80
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	NM	60
<b>2</b>	<b>CURRICULUM AND CO-CURRICULUM</b>		
2.1	The faculty member collaborated with other faculty members for effective design, sequence of courses and delivery of course for improvements and documented these efforts appropriately	M	85
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	M	75
2.3	The faculty member documented a plan for review of curriculum and co-curriculum comparing those with the best practices elsewhere or in best institutes	NM	65
<b>3</b>	<b>TEACHING AND LEARNING PROCESSES</b>		
3.1	The faculty member analysed his/her own methods for improving teaching and learning throughout the program and practiced them.	M	90
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieve the learning objectives.	M	85
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	NM	65




4	<b>STUDENT LEARNING ASSESSMENT</b>		
4.1	The Faculty member has announced the method of continuous assessment at the beginning of the course and followed it throughout.	M	80
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	NM	65
4.3	The faculty member has documented assessments of student learning	M	85
4.4	The faculty member has developed measurable indicators of student learning success	NM	65
4.5	The faculty member has developed and documented a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	NM	65
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	NM	60
4.7	The students are challenged enough to use their knowledge creatively	M	75
5	<b>QUALITY ASSURANCE</b>		
5.1	There is an existing process in the Institute to understand the parameters of quality of teaching and learning processes	M	70
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	-	
5.3	There is commitment to making continuous quality improvements in the program a top priority	M	80
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	M	85
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	M	80
5.6	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	NM	65
6	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	M	70
6.2	The Academic Audit process (self-study and visit) included descriptions of the program's quality processes including all five focal areas.	M	75
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	NM	85
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	NM	85

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6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	M	80
7	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	M	85
7.2	There is documented evidence that recommendations made by the previous Academic Audit Team have been considered and, when feasible and appropriate, implemented and tracked.	M	85
7.3	There is documented evidence that the program has been implemented and tracked the progress of and use of results from improvement initiatives cited by the faculty its self-study.	M	70
8	<b>SUPPORT</b>		
8.1	The program regularly evaluates its library, equipment and facilities, encouraging necessary improvements within the context of overall college resources.	NM	65
8.2	The program's operating budget is consistent with the needs of the program.	NM	65
8.3	The program has a history of enrolment rates sufficient to sustain high quality and cost-effectiveness.	NM	60
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	M	70
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	M	75
8.6	The Program has a history of generating support from industries and alumni to sustain itself.	M	85

*[Signature]*

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**A**

**Report**

**On**

**‘Interaction with Academic Audit Team and Students’**



**Academic Audit : 2021 - 2022**

**Department of Petrochemical Engineering**

**Dr. Babasaheb Ambedkar Technological University Lonere**

**Date: 9<sup>th</sup> November 2022**

**Venue: Lecture Hall 102**

**Target Audience: All Petrochemical Engineering Students.**

## About Interaction Session:

Interaction with Academic Auditors and Students was conducted on 9<sup>th</sup> November 2022 at 2:30 pm in Lecture Hall 102. Nearly 60 students attended the Interaction session. The Interaction began with few questions by Dr. S.L. Patil, Professor, College of Engineering Pune, Dr. S.P. Ghuge, Principal Scientist, CSIR- NCL Pune the questions were mostly related to the academics mainly on syllabus coverage, faculty assistance, girls' room, practical knowledge, equipment's in laboratory, soft skills sessions, Industrial visits, campus placements, campus facilities such as cleanliness, washroom facilities, girl's room, hostel facility, mess facility, etc.. Students of second year, third year & fourth year B. Tech. Petrochemical actively participated in the discussion and shared their thoughts in the discussion. Suggestions given by Advisors are included in the Academic Audit Report.

Academic Audit 2021-2022

Department of Petrochemical Engineering has organized "Interaction session" (Academic Auditor team with Petrochemical engineering students) on 09/11/2022, Wednesday at 2:00 pm.

Venue: UH 102

following faculty members & students are present as follows:

Sr. No.	Name	Sign
1.	Dr. S. P. Ghuge	

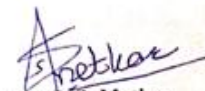
Sr.	Name of student	PRN	class	Sign
1	Falgun Pandurang Vichare	2130331527006	2 <sup>nd</sup> year	
2	Gokulad Dhirej Prakash	2130331527011	2 <sup>nd</sup> year	
3	Talib Nosim Ansari	2130331527002	2 <sup>nd</sup> year	
4	Harshal Ishwar Bawiskar	2130331527012	2 <sup>nd</sup> year	
5	Sanghviya Alay Lone	2130331527009	2 <sup>nd</sup> year	
6	Jadhav. Mit. Dadasaheb	2030331527013	4 <sup>th</sup> year	
7	Dhanavade Pravit. Hovind	2030331527014	4 <sup>th</sup> year	
8	Bhandvale. Oskar.	2030331527020	4 <sup>th</sup> year	
9	Shrikant Gite	2130331527017	3 <sup>rd</sup> year	
10	Bhandvale Chetee.	7022	4 <sup>th</sup> yr	
11	Pranil K. Dhanavade	2030331527016	4 <sup>th</sup> yr	
12	Athawale. D. Shrinikar	-	4 <sup>th</sup> yr	
13	Onkar T. Chaudhary	002	4 <sup>th</sup> yr	
14	Prayag. D. Bhandavale	008	4 <sup>th</sup> yr	

Sr.	Name of student	PRN	class	Sign
15	Ganesh Kashinath Mule	2130331527015	3 <sup>rd</sup>	
16	Prashant S. Koirave	2030331527014	3 <sup>rd</sup>	
17	Lambire S. Parvate.	1930331527013	IV	
18	Prithviraj. A. Ghangade	1930331527017	IV	
19	Nirupam Bhangale.	1930331527015	IV	
20	Heetik Khanolkare.	1930331527015	IV	
21	Akanksha Sangale.	1930331527017	IV	
22	Pranjali Patil	1930331527019	IV	
23	Poonam Giradkar.	2030331518	IV	
24	Shaibaz Kunalpikare	1930331527020	IV	
25	Huzefa Talcey	1930331527015	IV	
26	Pankhari Kumbhare	2030331527015	4 <sup>th</sup>	
27	Anushree Adgubear	1930331527008	4 <sup>th</sup>	
28	Anushka Mangesh Gurov	1930331527003	4 <sup>th</sup>	
29	Patil Gourav	7010	4 <sup>th</sup>	
30	Pratik Titkar	7040	4 <sup>th</sup>	
31	Kundan Somanad	7048	4 <sup>th</sup>	
32	Ujjwal Anand	7062	4 <sup>th</sup>	
33	Kanishk Dhanade	7046	4 <sup>th</sup>	
34	Soham Dhanade	7001	4 <sup>th</sup>	
35	Sankar Rajguru	7038	4 <sup>th</sup>	
36	Prathmesh Mawale	207003	4 <sup>th</sup>	
37	Yash Chavdhari	197052	4 <sup>th</sup>	
38	Rahul Kowalikar	197050	4 <sup>th</sup>	
39	Pratap Takalkhade	197054	4 <sup>th</sup>	
40	Vedant Mandlikar	7004	4 <sup>th</sup>	
41	Rohan Dhawale	7061	4 <sup>th</sup>	
42	Monika Landge	7042	4 <sup>th</sup>	
43	Anat Nilegare	7009	4 <sup>th</sup>	
44	Omkar Kannekar	707008	4 <sup>th</sup>	

## ‘Interaction with Academic Audit Team and Students’



  
Dr. S. S. Metkar  
Head

Department of Petrochemical Engineering



# Department of Petrochemical Engineering

## Academic Audit 2021 - 2022







