

## Academic Audit Summary Sheet: Department of Computer Engineering

Institution: Dr. Babasaheb Ambedkar Technological University Lonere -Raigad

Program Title(s): B. Tech. in Computer Engineering

Academic Audit Status: Present one 2017-18 and 2018-19

### First Academic Audit 16-17: Completed

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

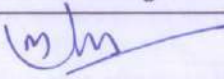

The criteria used to evaluate a program appear in the following "Academic Audit Summary Sheet" have been selected based on the Academic Audit Focal Areas to be consistent with the spirit and process of the Academic Audit.

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

Sr. No.	1	2
Name	Dr. V. B. Nikam	A. W. Kivalekar
Title	Associate Professor	Head Professor
Institution	Veermata Jijabai Technical Institute Matunga Mumbai	DEPT. of Computer Eng
Signature		
Date	2 Nov. 2019	2 Nov. 2019

## Academic Audit Summary Sheet

Institution/University Department: Computer Engineering  
 Program Title: B. Tech in Computer Engineering  
 Degree Level: Undergraduate Program  
 Academic Audit Status: current 2017-18 and 2018-19

First Academic Audit 2016-17: Completed

### Evaluation Results

No	Criterion	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	90%
1.2	The Faculty member has shared his course file with the students of the class through Intranet/ Social media or any other means	Met	85%
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	Met	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	Partially Met	75%
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	Partially Met	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	Met	70%
<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	85%
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieve the learning objectives.	Met	90%
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	Met	90%
<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	100%
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	Met	85%
4.3	The faculty member has documented assessments of student learning	Met	85%
4.4	The faculty member has developed measurable indicators of student learning success	Met	95%
4.5	The faculty member has developed and documented a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	Partial Met	60%
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	Met	98%
4.7	The students are challenged enough to use their knowledge creatively	Partially met	35%
<b>5.0</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	Met	98%

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5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	NA	NA
5.3	There is commitment to making continuous quality improvements in the program a top priority	Partially Met	70%
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	Met	98%
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	Met	100%
5.6	There is sufficient evidence of attempts to understand the industries/Society's need in delivery of appropriate course content to the students	Met	95%
6	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	Met	90%
6.2	The Academic Audit process (self-study and visit) included descriptions of the program's quality processes including all five focal areas.	Partially Met	70%
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	Partially Met	65%
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	Met	90%
6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	Partially Met	60%
7	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	Partially Met	60%
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.	Partially 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.	Partially Met	60%
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	95%
8.2	The program's operating budget is consistent with the needs of the program.	Not Met	50%
8.3	The program has a history of enrolment rates sufficient to sustain high quality and cost-effectiveness.	N. A.	30%
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	Met	90%
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	Partially Met	60%
8.6	The Program has a history of generating support from industries and alumni to sustain itself.	Partially Met	50%

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**Academic Audit Summary Sheet: Undergraduate Program  
Institution: Computer Engineering**

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

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**CIP Code(s):**

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**Academic Audit Status: 2018-19**

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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.

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**

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Name: **Dr. V. B. Nikam**

  
Name: **Dr. A. W. Kiwelekar**

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Title: **Associate Professor**

Title: **Head and Professor**

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Institution : **Veermata Jijabai Technical Institute,  
Matunga Mumbai**

Institution:  
**Department of Computer Engg.**

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Signature: 

Signature : 

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Date: 02 November 2019

Date: 02 November 2019

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## Academic Audit Summary Sheet

Institution/ University Department: Computer Engineering

Program Title: B: Tech in Computer Engineering

Degree Level : Undergraduate Program

Academic Audit Status: current 2018-19

### Evaluation Results

No	Criterion	Met/not met	%achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member had prepared Course Files as per the learning objectives of the program	<b>Met</b>	<b>90%</b>
1.2	The Faculty member has shared his course file with the students of the class through Intranet/Social media or any	<b>Met</b>	<b>85%</b>
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	<b>Met</b>	<b>60%</b>
<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	<b>Partially Met</b>	<b>75%</b>
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	<b>Partially Met</b>	<b>75%</b>
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	<b>Met</b>	<b>70%</b>
<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.	<b>Met</b>	<b>85%</b>
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieves the learning objectives.	<b>Met</b>	<b>90%</b>
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	<b>Met</b>	<b>90%</b>

<b>4.0</b>	<b>STUDENT LEARNING ASSESSMENT</b>		
<b>4.1</b>	The Faculty member has announced the method of continuous assessment at the beginning of the course and followed it throughout.	<b>Met</b>	<b>100%</b>
<b>4.2</b>	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program	<b>Met</b>	<b>85%</b>
<b>4.3</b>	The faculty member has documented assessments of student learning	<b>Met</b>	<b>85%</b>
<b>4.4</b>	The faculty member has developed measurable indicators of students learning success	<b>Met</b>	<b>85%</b>
<b>4.5</b>	The faculty members have developed and document a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	<b>Partial Met</b>	<b>60%</b>
<b>4.6</b>	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	<b>Met</b>	<b>98%</b>
<b>4.7</b>	The students are challenged enough to use their knowledge creatively	<b>Partial Met</b>	<b>35%</b>

<b>5.0</b>	<b>QUALITY ASSURANCE</b>		
<b>5.1</b>	There is an existing process in the Institute to understand the parameters of quality of teaching and learning process		
<b>5.2</b>	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	NA	NA
<b>5.3</b>	There is commitment to making continuous quality improvements in the program a top priority	Partially Met	70%
<b>5.4</b>	The performance of students in Internal Assessment and University Examinations is comparable.	Met	98%
<b>5.5</b>	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	Met	100%
<b>5.6</b>	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	Met	95%
<b>6</b>	<b>OVERALL ASSESSMENT</b>		

6.1	The Academic Audit process was Faculty driven	Met	90%
6.2	The Academic Audit process (self- study and visit) included description of the program's quality processes including all five focal areas.	Partially Met	70%
6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	Partially Met	65%
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	Met	90%
6.5	The Academic Audit process included involvement of and inputs from stakeholder groups identified by the program's faculty members	Partially Met	60%
<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	Partially Met	60%
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.	Partially 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-	Partially Met	60%
<b>8</b>	<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	95%
8.2	The program's operating budget is consistent with the needs of the program	Not Met	50%
8.3	The program has a history of enrollment rates sufficient to sustain high quality and cost-effectiveness.	N.A	30%
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program	Met	90%
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	Partially Met	60%
8.6	The program has a history of generating support from industries and alumni to sustain itself.	Partially Met	50%

**Dr.Babasaheb Ambedkar Technological University**

**Academic Audit of University Departments**

**Format for submission of Academic Audit Report (AAR)**

**Name of Department: Department of Computer Engineering**

Sr.No	Item	Grade	Impression
1	Conduct of Classes	A	From attendance record it is observed that classes have been conducted regularly as per time-table.
2	Co-Curricular Activities & Extra-Curricular Activities	A	Department has organized guest lectures and technical workshops.
3	Department Activity Register	A	Department has maintained the records of all activities conducted time to time in the form of reports, minutes, photographs, feedbacks, attendance etc. Overall record keeping is found to be good.
4	Discipline in the campus	A	Department has maintained clean and neat y the department are followed strictly.
5	IQAC	A	University has its own IQAC Cell which looks after and maintains overall quality of the department in all sense.
6	Placement	B	Though department has prioritized this activity, there is much scope to improve the current scenario  Department is encouraging students to opt internship and competitive programming.
7	Departmental research	A	It is observed that department faculty regularly publishing the research work  Research facility in the department is upgraded regularly as per requirement.  Many of the UG and PG projects given to the students are good and some are product based.



			Presently about 14 students are doing Ph. D in the department
8	Career Guidance Cell	B	This cell is in place at department level.
9	SWAYAM facilities	A	Presently students have been asked to enroll for the courses through SWAYAM platform as per their willingness.
10	Library	A	In addition to University Library, department has its own library in place.  The books in the library have been collected from Alumni, Teachers and outgoing students, complementary books, form the publishers.  Along with books, the past years UG/PG/PhD Project reports are also available to students for reference.
11	Research & Laboratories	A	Major research areas of the department are Reactive distillation, Reactive Artificial intelligence and software engineering. The department had product grant from industry to do research work.
12	Games & Sports	A	It is found that students of the Department are actively participating and excelling in extra-curricular including sport activities. The students have fetched prizes and laurels at University and State level.
13	Humanities and Foundation Courses	A	These courses have been incorporated in the curriculum as per mandate of UGC/AICTE
14	Teacher Evaluation by Students	A	The feedback system is in place. After collecting feedback from students (currently offline), the same is analyzed and report is prepared.
15	Maintenance of Register	A	For keeping track of various activities, different Registers have been maintained by the department which needs improvement


16	Teaching Diaries & Plans	A	In course file along with teaching plan, notes, course material, question bank, assignments, question papers have been well maintained.
17	NCC/NSS	A	This activity is carried out at University level and students of the department actively participate in the events arranged by cell at various level
18	Women Empowerment Cell	A	This cell is at University level
19	Professional Clubs	A	ACES and Code chef chapter
20	Sanitation & drinking water	A	Available and well maintained by the University
21	Cleanliness	B	Departmental cleanliness is OK but overall University campus cleanliness can be improved.
22	Functioning of Teachers	A	Most of teachers have kept their record as per the requirement of NBA/NAAC.
23	Over All Impression on the Department	A	Excellent.
24	Any other observation:-		


① The alumni initiated "AWK award" can be felicitated at university level

② Competitive programming culture need to be inculcated

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

Signatures of Academic Auditors:

1: DR. V. B. Nikam ————— 

2: DR. A. W. Kivelekar ————— 

**Academic Audit Summary Sheet: Undergraduate Program  
Institution: Computer Engineering**

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

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**CIP Code(s):**

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**Academic Audit Status: 2019-20**

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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**

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Name: **Dr. V. B. Nikam**

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Name: **Dr. L. D. Netak**

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Title **Associate Professor**

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Title: **Head and Professor**

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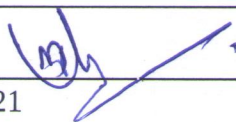
Institution : **Veermata Jijabai Technical Institute,  
Matunga Mumbai**

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Institution:  
**Department of Computer Engg.**

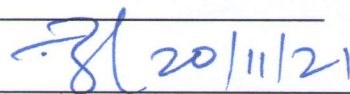
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Signature:



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Signature :



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Date: 20 November 2021

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Date: 20 November 2021

## Academic Audit Summary Sheet

Institution/ University Department: Computer Engineering

Program Title: B: Tech in Computer Engineering

Degree Level : Undergraduate Program

Academic Audit Status: current 2019-20

### Evaluation Results

No	Criterion	Met/not met	%achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member had prepared Course Files as per the learning objectives of the program	<b>Met</b>	<b>90%</b>
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<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	<b>Partially Met</b>	<b>75%</b>
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	<b>Partially Met</b>	<b>75%</b>
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	<b>Met</b>	<b>70%</b>
<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.	<b>Met</b>	<b>85%</b>
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<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.	<b>Met</b>	<b>95%</b>
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<b>5.0</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 process	Met	85%
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	NA	NA
5.3	There is commitment to making continuous quality improvements in the program a top priority	Partially Met	70%
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	Met	95%
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<b>6</b>	<b>OVERALL ASSESSMENT</b>		

6.1	The Academic Audit process was Faculty driven	Met	90%
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<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	Partially Met	60%
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<b>8</b>	<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	95%
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8.4	The program has a history of graduation rate sufficient to sustain the quality of the program	Met	90%
8.5	The program has a history of placement rate sufficient to sustain high quality of program outcome.	Partially Met	60%
8.6	The program has a history of generating support from industries and alumni to sustain itself.	Partially Met	60%

**Dr.Babasaheb Ambedkar Technological University**

**Academic Audit of University Departments(2019-20)**

**Format for submission of Academic Audit Report (AAR)**

**Name of Department: Department of Computer Engineering**

Sr.No	Item	Grade	Impression
1	Conduct of Classes	A	From attendance record it is observed that classes have been conducted regularly as per time-table.
2	Co-Curricular Activities & Extra-Curricular Activities	A	Department has organized guest lectures and technical workshops.
3	Department Activity Register	A	Department has maintained the records of all activities conducted time to time in the form of reports, minutes, photographs, feedbacks, attendance etc. Overall record keeping is found to be good.
4	Discipline in the campus	A	Department has maintained clean and neat y the department are followed strictly.
5	IQAC	A	University has its own IQAC Cell which looks after and maintains overall quality of the department in all sense.
6	Placement	A	Though department has prioritized this activity, there is much scope to improve the current scenario  Department is encouraging students to opt internship and competitive programming.
7	Departmental research	A	It is observed that department faculty regularly publishing the research work  Research facility in the department is upgraded regularly as per requirement.  Many of the UG and PG projects given to the students are good and some are product based.  Presently about 14 students are doing Ph. D in the




			department
8	Career Guidance Cell	B	This cell is in place at department level.
9	SWAYAM facilities	A	Presently students have been asked to enroll for the courses through SWAYAM platform as per their willingness.
10	Library	A	In addition to University Library, department has its own library in place.  The books in the library have been collected from Alumni, Teachers and outgoing students, complementary books, form the publishers.  Along with books, the past years UG/PG/PhD Project reports are also available to students for reference.
11	Research & Laboratories	A	Major research areas of the department are Reactive distillation, Reactive Artificial intelligence and software engineering. The department had product grant from industry to do research work.
12	Games & Sports	A	It is found that students of the Department are actively participating and excelling in extra-curricular including sport activities. The students have fetched prizes and laurels at University and State level.
13	Humanities and Foundation Courses	A	These courses have been incorporated in the curriculum as per mandate of UGC/AICTE
14	Teacher Evaluation by Students	A	The feedback system is in place. After collecting feedback from students (currently offline), the same is analyzed and report is prepared.
15	Maintenance of Register	A	For keeping track of various activities, different Registers have been maintained by the department which needs improvement
16	Teaching Diaries&	A	In course file along with teaching plan, notes,



	Plans		course material, question bank, assignments, question papers have been well maintained.
17	NCC/NSS	A	This activity is carried out at University level and students of the department actively participate in the events arranged by cell at various level
18	Women Empowerment Cell	A	This cell is at University level
19	Professional Clubs	A	ACES and Code chef chapter
20	Sanitation & drinking water	A	Available and well maintained by the University
21	Cleanliness	B	Departmental cleanliness is OK but overall University campus cleanliness can be improved.
22	Functioning of Teachers	A	Most of teachers have kept their record as per the requirement of NBA/NAAC.
23	Over All Impression on the Department	A	Excellent.
24	Any other observation:- ① Internet and Computing facilities need to be strengthened		

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

Signatures of Academic Auditors:

- 1: Dr. V. B. Nikam 
- 2: Dr. A. W. Kinelekar 
- 3: Dr. L. D. Nebak 

**Academic Audit Summary Sheet: Undergraduate Program  
Institution: Computer Engineering**

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

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**CIP Code(s):**

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**Academic Audit Status: 2020-21**

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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**

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Name: **Dr. V. B. Nikam**

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Name: **Dr. L. D. Netak**

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Title **Associate Professor**

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Title: **Head and Professor**

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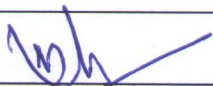
Institution : **Veermata Jijabai Technical Institute,  
Matunga Mumbai**

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Institution:  
**Department of Computer Engg.**

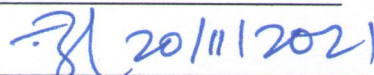
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Signature:



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Date: 20 November 2021

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Date: 20 November 2021

## Academic Audit Summary Sheet

Institution/ University Department: Computer Engineering

Program Title: B: Tech in Computer Engineering

Degree Level : Undergraduate Program

Academic Audit Status: current 2020-21

### Evaluation Results

No	Criterion	Met/not met	%achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member had prepared Course Files as per the learning objectives of the program	<b>Met</b>	<b>90%</b>
1.2	The Faculty member has shared his course file with the students of the class through Intranet/Social media or any other means	<b>Met</b>	<b>85%</b>
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives	<b>Met</b>	<b>60%</b>
<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	<b>Partially Met</b>	<b>75%</b>
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	<b>Partially Met</b>	<b>75%</b>
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	<b>Met</b>	<b>70%</b>
<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.	<b>Met</b>	<b>85%</b>
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing, so that student achieves the learning objectives.	<b>Met</b>	<b>90%</b>
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	<b>Met</b>	<b>90%</b>
<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.	<b>Met</b>	<b>100%</b>
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program	<b>Met</b>	<b>85%</b>
4.3	The faculty member has documented assessments of student learning	<b>Met</b>	<b>85%</b>
4.4	The faculty member has developed measurable indicators of students learning success	<b>Met</b>	<b>85%</b>
4.5	The faculty members have developed and document a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	<b>Partial Met</b>	<b>60%</b>
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	<b>Met</b>	<b>98%</b>
4.7	The students are challenged enough to use their knowledge creatively	<b>Partial Met</b>	<b>35%</b>

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 process		
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	NA	NA
5.3	There is commitment to making continuous quality improvements in the program a top priority	Partially Met	70%
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	Met	98%
5.5	There is sufficient feedback obtained from stakeholders in development of academic processes in the College.	Met	100%
5.6	There is sufficient evidence of attempts to understand the industries/ Society's need in delivery of appropriate course content to the students	Met	95%
6	<b>OVERALL ASSESSMENT</b>		

**Dr.Babasaheb Ambedkar Technological University**

**Academic Audit of University Department (2020-21)**

**Format for submission of Academic Audit Report (AAR)**

**Name of Department: Department of Computer Engineering**



Sr.No	Item	Grade	Impression
1	Conduct of Classes	A	From attendance record it is observed that classes have been conducted regularly as per time-table.
2	Co-Curricular Activities & Extra-Curricular Activities	A	Department has organized guest lectures and technical workshops.
3	Department Activity Register	A	Department has maintained the records of all activities conducted time to time in the form of reports, minutes, photographs, feedbacks, attendance etc. Overall record keeping is found to be good.
4	Discipline in the campus	A	Department has maintained clean and neat y the department are followed strictly.
5	IQAC	A	University has its own IQAC Cell which looks after and maintains overall quality of the department in all sense.
6	Placement	B	Though department has prioritized this activity, there is much scope to improve the current scenario Department is encouraging students to opt internship and competitive programming.
7	Departmental research	A	It is observed that department faculty regularly publishing the research work Research facility in the department is upgraded regularly as per requirement. Many of the UG and PG projects given to the students are good and some are product based. Presently about 14 students are doing Ph. D in the department
8	Career Guidance Cell	B	This cell is in place at department level.
9	SWAYAM facilities	A	Presently students have been asked to enroll for the courses through SWAYAM platform as per their willingness.

10	Library	A	<p>In addition to University Library, department has its own library in place.</p> <p>The books in the library have been collected from Alumni, Teachers and outgoing students, complementary books, form the publishers.</p> <p>Along with books, the past years UG/PG/PhD Project reports are also available to students for reference.</p>
11	Research & Laboratories	A	<p>Major research areas of the department are Reactive distillation, Reactive Artificial intelligence and software engineering. The department had product grant from industry to do research work.</p>
12	Games & Sports	A	<p>It is found that students of the Department are actively participating and excelling in extra-curricular including sport activities. The students have fetched prizes and laurels at University and State level.</p>
13	Humanities and Foundation Courses	A	<p>These courses have been incorporated in the curriculum as per mandate of UGC/AICTE</p>
14	Teacher Evaluation by Students	A	<p>The feedback system is in place. After collecting feedback from students (currently offline), the same is analyzed and report is prepared.</p>
15	Maintenance of Register	A	<p>For keeping track of various activities, different Registers have been maintained by the department which needs improvement</p>
16	Teaching Diaries & Plans	A	<p>In course file along with teaching plan, notes, course material, question bank, assignments, question papers have been well maintained.</p>
17	NCC/NSS	A	<p>This activity is carried out at University level and students of the department actively participate in the events arranged by cell at various level</p>
18	Women Empowerment Cell	A	<p>This cell is at University level</p>
19	Professional Clubs	A	<p>ACES and Code chef chapter</p>
20	Sanitation & drinking water	A	<p>Available and well maintained by the University</p>
21	Cleanliness	B	<p>Departmental cleanliness is OK but overall</p>

			University campus cleanliness can be improved.
22	Functioning of Teachers	A	Most of teachers have kept their record as per the requirement of NBA/NAAC.
23	Over All Impression on the Department	A	Excellent.
24	Any other observation:- ① Internet and Computing facilities need to improved.		

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

Signatures of Academic Auditors:

- 1: 1) Dr. V. B. Nikam 
- 2: 2) Dr. A. W. Kiwelekar 
- 3) Dr. L. D. Netale - 28/20/11/2021

**Dr. Babasaheb Ambedkar Technological University, Lonere - 402 103**

**Academic Audit Summary Sheet: Undergraduate Program  
Department / Institution: Computer Engineering**

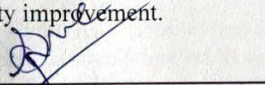
**Program Title (s): B. Tech. in Computer Engineering**

**CIP Code(s):**

**Academic Audit Status: 2021 - 22**

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.

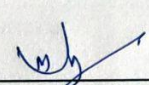
When combined with the self-study and the written report prepared by the visiting team, the Summary Sheet will facilitate the institutional development of a program action plan to ensure continuous quality improvement.

  
**Name:** Dr. S U Ghumbre

**Title:** Professor

**Institution:** Govt. College of Engineering and Research, Avasari

**Signature with Date**

  
**Name:** Dr. V B Nikam

**Title:** Professor

**Institution:** VJTI, Mumbai

**Signature with Date**



# Dr. Babasaheb Ambedkar Technological University, Lonere - 402 103

## Academic Audit Summary Sheet

University Department: Computer Engineering

Program Title: B:Tech. in Computer Engineering

Degree Level: Undergraduate Program

Academic Audit Status: A.Y. 2021 - 222

### Evaluation Results

Sr. No.	Criterion	Met / Not Met	% Achieved
<b>1</b>	<b>LEARNING OBJECTIVES AND RESOURCES</b>		
1.1	The Faculty member had prepared Course Files as per the learning objectives of the program.	Met	91%
1.2	The Faculty member has shared his course file with the students of the class through Intranet/Social media or any other means.	Met	93%
1.3	The faculty member documented specific benchmarks of his course to account for learning objectives.	Met	73%
<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	Partially Met	76%
2.2	The faculty member documented a plan for analyzing the course content in terms of achieving program objectives.	Partially Met	78%
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.	Met	72%
<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	88%
3.2	The faculty member developed and promoted effective instructional methods, other than lecturing so that student achieves the learning objectives.	Met	91%
3.3	The faculty member developed materials for achieving student mastery of learning objectives.	Met	91%

4	<b>STUDENT LEARNING ASSESSMENT</b>		
4.1	The Faculty member announced the method of continuous assessment at the beginning of the course and followed it throughout.	<b>Met</b>	<b>100%</b>
4.2	The faculty member developed techniques, other than written test, for the student learning assessments to improve the program.	<b>Met</b>	<b>88%</b>
4.3	The faculty member has documented assessments of student learning.	<b>Met</b>	<b>91%</b>
4.4	The faculty member has developed measurable indicators of students learning success.	<b>Met</b>	<b>86%</b>
4.5	The faculty members have developed and document a continuous improvement plan that incorporates multiple measures to assess student learning and program effectiveness.	<b>Partial Met</b>	<b>62%</b>
4.6	The Student has put in his/her own efforts in the learning process from resources outside the Institute.	<b>Met</b>	<b>98%</b>
4.7	The students are challenged enough to use their knowledge creatively.	<b>Met</b>	<b>75%</b>

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 process.		
5.2	There is an initiative to understand the parameters of quality of teaching and learning processes, if not existing.	<b>NA</b>	<b>NA</b>
5.3	There is a commitment to making continuous quality improvements in the program a top priority.	<b>Partially Met</b>	<b>71%</b>
5.4	The performance of students in Internal Assessment and University Examinations is comparable.	<b>Met</b>	<b>98%</b>
5.5	There is sufficient feedback obtained from stakeholders in the development of academic processes in the College.	<b>Met</b>	<b>100%</b>
5.6	There is sufficient evidence of attempts to understand the industries / Society's need in delivery of appropriate course content to the students.	<b>Met</b>	<b>95%</b>
6	<b>OVERALL ASSESSMENT</b>		
6.1	The Academic Audit process was Faculty driven.	<b>Met</b>	<b>90%</b>
6.2	The Academic Audit process (self-study and visit) included description of the program's quality processes including all five focal areas.	<b>Partially Met</b>	<b>70%</b>

6.3	The Audit resulted in a candid description of weaknesses in program processes and suggestions for improvements.	<b>Partially Met</b>	<b>66%</b>
6.4	There is openness and thoroughness of the faculty members in completing the academic audit of this program.	<b>Met</b>	<b>90%</b>
6.5	The Academic Audit process included the involvement of and inputs from stakeholder groups identified by the program's faculty members.	<b>Partially Met</b>	<b>60%</b>
7	<b>FOLLOW-UP OF PREVIOUS AUDIT</b>		
7.1	An action plan was developed as a result of the previous Academic Audit.	<b>Partially Met</b>	<b>60%</b>
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.	<b>Partially Met</b>	<b>70%</b>
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 in its self-study.	<b>Partially Met</b>	<b>62%</b>
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.	<b>Met</b>	<b>95%</b>
8.2	The program's operating budget is consistent with the needs of the program.	<b>Not Met</b>	<b>50%</b>
8.3	The program has a history of enrollment rates sufficient to sustain high quality and cost-effectiveness.	<b>Met</b>	<b>70%</b>
8.4	The program has a history of graduation rate sufficient to sustain the quality of the program.	<b>Met</b>	<b>90%</b>
8.5	The program has a history of placement rate sufficient to sustain the high quality of program outcome.	<b>Met</b>	<b>90%</b>
8.6	The program has a history of generating support from industries and alumni to sustain itself.	<b>Partially Met</b>	<b>60%</b>

# Dr. Babasaheb Ambedkar Technological University, Lonere - 402 103

Academic Audit of University Department (2021 - 22)

Format for submission of Academic Audit Report (AAR)

Name of Department: Department of Computer Engineering

Sr. No.	Item	Grade	Impression
1	Conduct of Classes	A	From the attendance record it is observed that classes have been conducted regularly as per time-table.
2	Co-Curricular Activities & Extra-Curricular Activities	A	Department has organized guest lectures and technical workshops.
3	Department Activity Register	A	Department has maintained records of all activities conducted from time to time in the form of reports, minutes, photographs, feedback, attendance, etc. Overall record keeping is found to be good.
4	Discipline on the Campus	A	Department has maintained cleanliness and neatness and rules and regulations are followed.
5	IQAC	A	University has its own IQAC Cell which looks after and maintains the overall quality of the department in all senses.
6	Placement	A+	Though the department has prioritized this activity, there is much scope to improve the current scenario. Department is encouraging students to opt for internships and competitive programming.
7	Departmental Research	A	It is observed that department faculty regularly publish research work. The research facility in the department is upgraded regularly as per requirement. Many of the UG and PG projects given to the students are good and some are product based. Presently about 12 students are doing Ph.D. in the department.
8	Career Guidance Cell	A	This cell is in place at the University and department level.

9	SWAYAM facilities	A	Presently students have been asked to enroll for the courses through the SWAYAM platform as per their willingness.
10	Library	A	In addition to the University Library, the department has its own library in place. The books in the library have been collected from Alumni, Teachers, and outgoing students, as complementary books, from the publishers. Along with books, the past years' UG/PG/PhD Project reports are also available to students for reference.
11	Research Laboratories	B	Major research areas of the department are, applied Artificial intelligence, Blockchain, AR / VR technologies, Cognitive learning analytics, Fog computing, Geospatial data analysis and software engineering. The department had a project grant from the industry to do research work.
12	Games & Sports	A	It is found that students of the Department are actively participating and excelling in extra curricular including sports activities. The students have fetched prizes and laurels at University and State level.
13	Humanities and Foundation Courses	A	These courses have been incorporated into the curriculum as per the mandate of UGC / AICTE.
14	Teacher Evaluation by Students	A	The feedback system is in place. After collecting feedback from students (currently offline), the same is analyzed and a report is prepared.
15	Maintenance of Register	A	For keeping track of various activities, different Registers have been maintained by the department which needs improvement.
16	Teaching Diaries & Plans	A	Course file along with the teaching plan, notes, course material, question bank, assignments, and question papers have been well maintained using google classrooms.
17	NCC / NSS	A	This activity is carried out at the University level and students of the department actively participate in the events arranged by cell at various levels.
18	Women Empowerment Cell	A	This cell is at the University level.

19	Professional Clubs	A	ACES and Codechef chapter.
20	Sanitation & drinking water	A	Available and well maintained by the University.
21	Cleanliness	A	Departmental cleanliness is OK but overall University campus cleanliness can be improved.
22	Functioning of Teachers	A	Most of the teachers has kept their records as per the requirement of NBA/NAAC.
23	Over All Impression of Department	A	Excellent.
24	Any other observation:		<ul style="list-style-type: none"> <li>- objective of the audit shall be clearly defined.</li> <li>- target metrics to attend needs to be identified at the beginning of the year.</li> <li>- Healthy interpersonal relationship has been observed.</li> <li>- Curricular structure among dept need to be refined, members</li> </ul>

**Action Taken on Last Observation:** University has installed an upgraded lease line for internet connectivity.

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

**Signatures of Academic Auditors:**

1. Dr. S. U. Ghumbre, Professor, Govt. College of Engineering, Avasari Khurd



2. Dr. V. B. Nikam, Professor, VJTI, Mumbai

