NAAC Accredited
ISO 9001:2015 Certified Institution
TULSIRAMJI GAIKWAD-PATIL
College of Engineering & Technology
(Approved by AICTE, Recognized by Govt. of Maharashtra & Affiliated to MSBTE, Mumbai)
DTE Code: 4151
www.tgpcet.com

6.5.3 Average number of quality initiatives by IQAC per year for promoting quality culture (3)

Session 2017-18

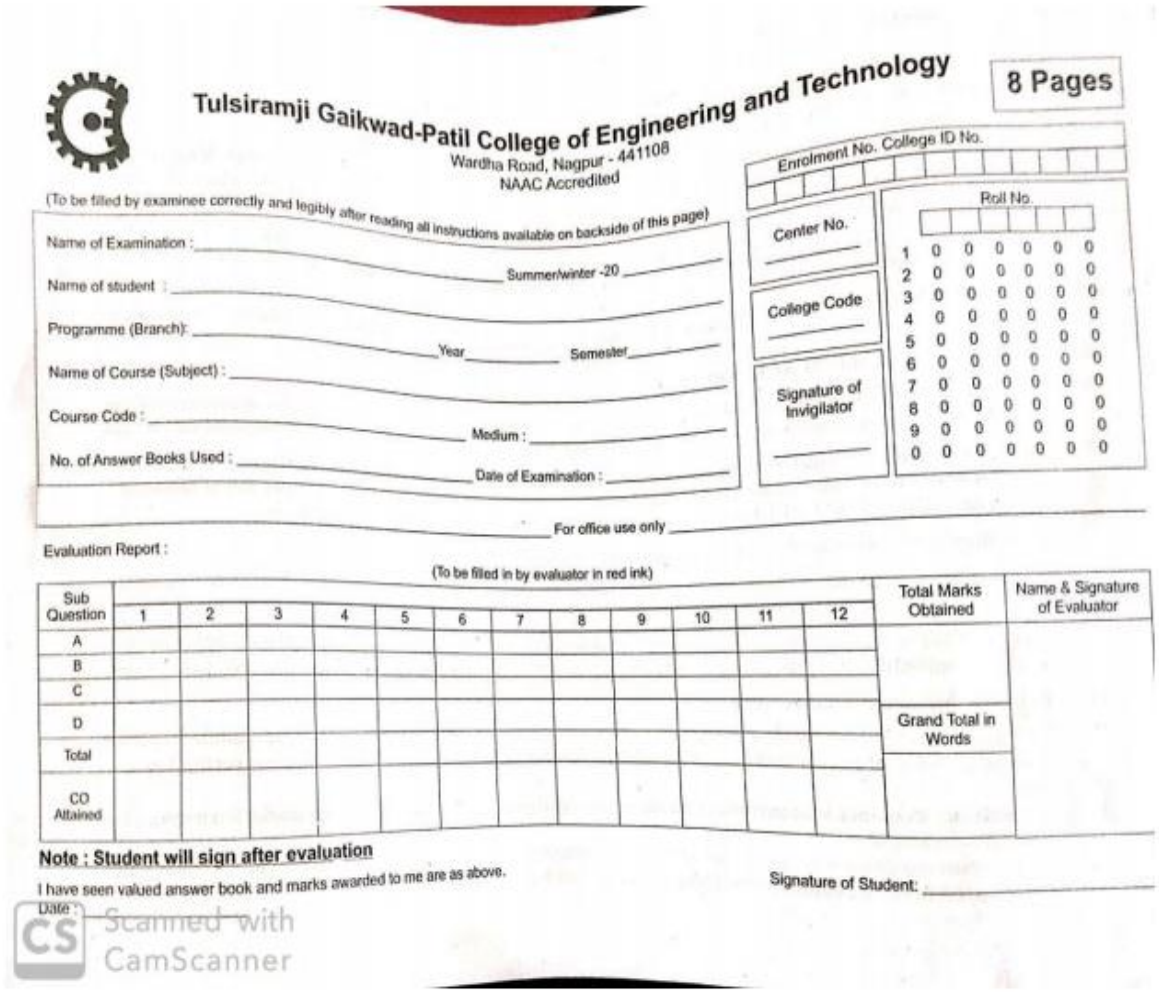
INDEX

1. Reformation of Internal Evaluation system as per R17 regulations

http://www.tgpcet.com/DVV-Clarification/6/Academic-Policy-2018-19.pdf

2. Examination reforms implemented

New Sample Answer Sheet:



Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur - 441108
NAAC Accredited

8 Pages

Enrolment No. College ID No.

(To be filled by examinee correctly and legibly after reading all instructions available on backside of this page)

Name of Examination : _____ Summer/winter -20 _____

Name of student : _____

Programme (Branch): _____ Year _____ Semester _____

Name of Course (Subject) : _____

Course Code : _____ Medium : _____

No. of Answer Books Used : _____ Date of Examination : _____

Center No. _____

College Code _____

Signature of Invigilator _____

Roll No.

1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
0	0	0	0	0	0	0

For office use only

Evaluation Report :

(To be filled in by evaluator in red ink)

Sub Question	1	2	3	4	5	6	7	8	9	10	11	12	Total Marks Obtained	Name & Signature of Evaluator
A														
B														
C														
D													Grand Total in Words	
Total														
CO Attained														

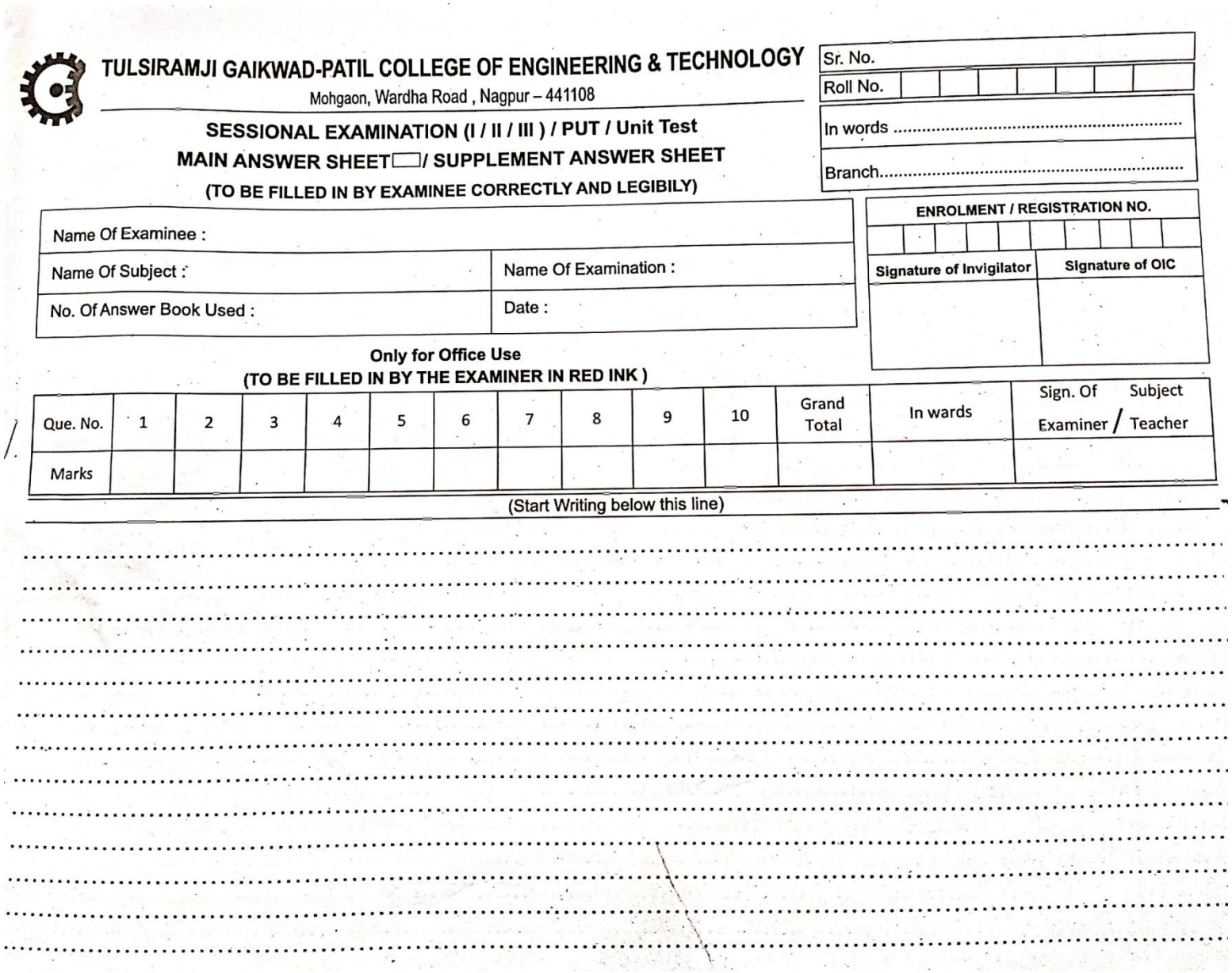
Note : Student will sign after evaluation

I have seen valued answer book and marks awarded to me are as above.

Date :

Signature of Student: _____

Old Answer Sheet:



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY

Mohgaon, Wardha Road , Nagpur – 441108

SESSIONAL EXAMINATION (I / II / III) / PUT / Unit Test

MAIN ANSWER SHEET☐/ SUPPLEMENT ANSWER SHEET

(TO BE FILLED IN BY EXAMINEE CORRECTLY AND LEGIBILY)

Sr. No.

Roll No.

In words .....

Branch.....

Name Of Examinee :

Name Of Subject :

Name Of Examination :

No. Of Answer Book Used :

Date :

ENROLMENT / REGISTRATION NO.

Signature of Invigilator

Signature of OIC

Only for Office Use

(TO BE FILLED IN BY THE EXAMINER IN RED INK)

Que. No.	1	2	3	4	5	6	7	8	9	10	Grand Total	In wards	Sign. Of Subject Examiner / Teacher
Marks													

(Start Writing below this line)

New Sample Question Paper

Vidyalankar Gokhroo Patil College of Engineering and Technology, Nagpur
Department of Information Technology
VII Semester B.E. (CBS)
Mid Term Examination
Course: BEIT705TE: Software Testing & Quality Assurance

Time: 1 Hour 30 Minutes — Max Marks: 24

Instructions to candidates:
1. Solve Q.1 OR Q.2 ; Q.3 OR Q.4
2. Assume suitable data wherever necessary.
3. All question carry marks as indicated.
4. Illustrate your answer wherever necessary with the help of neat sketch.

Q. 1. a)		Enlist and explain various tools for unit testing.	5 M [CO2]
b)		Describe characteristics of the version control and configuration management tool.	4 M [CO2]
c)		Elaborate term debugging and what are the various approaches to debugging.	4 M [CO2]
		OR	
Q. 2. a)		Explain in brief mutation testing.	5 M [CO2]
b)		List and explain various objective of debugging.	4 M [CO2]
c)		Describe assumption made by mutation testing.	4 M [CO2]
Q. 3. a)		Analyse limitation of control flow base testing.	5 M [CO3]
b)		Elaborate path selection criteria's with suitable example.	4 M [CO3]
c)		Justify predicate coverage criteria concept in control flow test.	4 M [CO3]
		OR	
Q. 4. a)		Describe the process of generating test input data in control flow testing.	5 M [CO3]
b)		Write Short note on control flow graph.	4 M [CO3]
c)		Discuss in brief about statement coverage .	4 M [CO3]

BEIT705TE	Course Outcome
CO1	Understand the importance of software quality/software testing and apply software testing techniques for information systems development
CO2	To understand basics of unit testing
CO3	To understand control flow testing
CO4	Apply software testing techniques in commercial environments and assess the adequacy of test suites using control flow, data flow, and program mutation
CO5	Generate test cases from software requirements using various test processes for continuous quality improvement.
CO6	Ability to understand Client server testing and fire view of software quality.

Prof. Abhay R. Rewatkar
Course Coordinator

Moderator
M.S.V. Wanjari

Prof. Amit H. Gade
HOD (Info. Tech)

Old Sample Question Paper

TGPCET/16-17/4 CIVIL

TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING & TECHNOLOGY
SECOND YEAR B.E. CIVIL ENGINEERING
END TERM EXAMINATION SUMMER - 2017
GEOTECHNICAL ENGINEERING I

TIME: 3 Hrs. **MAX. MARKS: 80**

INSTRUCTION TO CANDIDATES:
1. *Solve Six questions as follows :Que. 1 OR 2,Que 3 OR 4,Que 5 OR 6 , Que. 7OR 8,Que 9 OR 10 ,Que 11 OR 12 ,*
2. *Assume Suitable data wherever required.*
3. *Due credit will be given to neat sketches.*

Q1. (a) Briefly describe the process of soil formation and differentiate between residual and transported soils. **6M**

(b) Derive the relation $r_d = (1\text{-na})\ G\ r_w/1 + wg$ with the help of three phase diagram. **7M**

OR

Q2. (a) What are the methods of determining field density of soil? Explain **any** one method with neat sketch. **6M**

(b) The following are the details of the lab test on sample of soil i) wet density is 2000kg/m^3 ii) Sp. Gravity is 2.7 iii) water content is 25% determine the dry density, void ratio porosity,& degree of saturation. **7M**

Q3. (a) Explain the particle size distribution curve. **6M**

(b) A sample of saturated clay has a volume of 97 ml and a weight of 202 gms when completely dried it has volume of 87 ml and a weight of 167 gms. Find shrinkage limit and original water content. **7M**

OR

Q4 (a) Discuss various uses of consistency limit. **6M**

(b) Explain the use of plasticity chart for classification of soils. **7M**

Q5.(a) State and explain Darcy's law of permeability. Explain the factors affecting permeability of soil. **7M**

(b) Explain for important factors effecting permeability **7M**

OR

Q6. (a) The following results were obtain from liquid limit test on a fine grained soil

No. of blows	Water Content (%)
34	44.6
23	49.6
18	51.4
12	55.6

A plastic limit test gave a value of 22 % determine the consistency index & liquidity index for soil Water Content is 18% **7M**

(b) Derive from first principle, the expression for coefficient of permeability under variable head **7M**

Paper Set By:- Prof. Ankit R. Khedikar

Q.7. a) Explain Mohr's coulomb theory. Discuss its limitations also. **6M**

b) A sample of cohesionless sand in a direct shear test fails under a shear stress of 160kN/m^2, when the normal stress is 140kn/m^2 . Find the angle of shearing resistance and the principal stresses at failure. **7M**

OR

Q8. a) Discuss the factors affecting compaction of soils. **6M**

b) The following are the results of standard compaction test performed on a soil sample of soil:

Water content(%)	12	14	16	18	20	22
Wt. of wet soil(gms)	1680	1850	1910	1870	1870	1850

Volume of mould used is 1000cc. assuming G=2.7, obtain maximum dry density & optimum moisture content **7M**

Q.9 a) Explain i) Normally consolidated clay
ii) Under consolidated clay
iii) Over consolidated clay. **7M**

b) During the laboratory consolidation test on 2.5 cm thick specimen, which has free to drain at bottom only, 50% consolidation occurred in 13 minutes, find the coefficient of consolidation. **6M**

OR

Q.10 a) What is field compaction control? Explain the use of Proctor's needle. **7M**

b) Define coefficient of compressibility & coefficient of volume change **6M**

Q.11 Write a short note on **(any THREE)** **14M**
1. Triaxial shear test
2. Square root time fitting method
3. Field compaction equipments & its suitability
4. unconfined compression test
5. New Marks Chart

OR

Q.12 a) State and explain the assumption in Bossinessq theory **7M**

b) Differentiate between compaction and consolidation **7M**

Prof. S. K. Bhadke, *HOD Civil Engg. Dept.*

3. Renew ISO Certification

ELITE CERTIFICATIONS PVT. LTD.

Certificate of Registration

This is to certify that

TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY

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Scope : **PROVIDING ENGINEERING & MANAGEMENT COURSES.**

Certificate Number: JAS/1014U/6853

Date of Issue: 13.10.2014

Date of Expiry: 12.10.2017

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

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Director

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ED21 Ver. N3

4. Academic Administrative Audit

Tulsiramji Gaikwad-Patil College of Engineering and Technology

Wardha Road, Nagpur-441 108

Department of Civil Engineering

Pre Session Academic Audit Marks (Even Sem.)

Name of Department:Civil Engineering

Sr. No.	Criteria	Observations	Marks	Marks Obtained
1	Number of journal papers in hardcopy referred by faculty members for subject preparation	a. More than 3 times the number of faculty b. Equal to number of faculty member c. Less than number of faculty member	3/2/1	3
2	Number of titles contributed (eformat) in digital library facilities	a. At least 2 titles/faculty/subject b. Atleast 1 title/faculty/subject	2/1	1
3	Faculty members having self developed Power Point or Flash Presentations./Readymade presentations or tutorials as a teaching aid for imparting the instructions	a. More than 80% b. 50% to 80% c. Less than 50%	4/2/0	4
4	No. of Lectures to be covered as per norms (with calculated data)	a. 100% b. 75% to 100% c. Less than 75%	3/2/0	2
5	Conduction of Lab (i) Whether printed journal is prepared (ii)Performance report of respective practicals (iii)New lab/Material if any & what effort has been taken to purchase them (iv)Any new experiment is introduced or not.	a. 100 % b. 75 % to 100% c. Less than 75 %	4/2/0	2
6	Quality of project work of final year students	a. Above 75% b. 65% to 75% c. Below 65%	4/2/0	2
7	Preparation of assignments, questionpapers, model answers and 3 year previous q papers	a. Above 75% b. 65% to 75% c. Below 65%	4/2/0	2

	rules, academic calendar to the faculty members (questionnaire based)	c. Zero awareness		
30	Encouragement for participation of students in sports & Extracurricular activities in University level/state level (list of who is good at which sports and planning)	a.3 or more b.2 c.1 d. Nil	3/2/1/0	1
31	Proper allocation of subjects by Committee & verification of time table by Committee	a. Prepared b. Not prepared	2/0	2
32	Efforts planned by Faculty members to improve results/feedback	a. Prepared b. Not prepared	2/0	2
33	Planning and preparation of parent's meet with contact address and phone numbers by Department	a. Prepared b. Not prepared	2/0	2
34	Planning for activities under professional society chapter	a. Prepared as per institute policy b. 50% as per policy c. Less than 50 % as per policy	3/1/0	0
35	Preparation of subject wise Library	a. All subjects b. 80% subjects c. Less than 80 % subjects	3/2/0	3
36	Planning for Online objective type tests having 10-15 questions per test (3 per subject) and preparedness for aptitude test as per student requirement	a. Properly planned b. Partially/not planned	3/0	3
37	Preparedness of faculty member for training students for competitive exams (GD+PI sessions and confidence building)	a. Properly planned b. Partially/not planned	3/0	0
38	Planning of each TG for 2nd sem,4th sem,6th sem	a. 100 % faculty members prepared b. 75-99 % faculty members prepared c. Less than 75% faculty members prepared	4/2/0	2
39	Budget planning for next sem Department wise	a. Prepared b. Not prepared	3/0	3

Total Marks: **110**

Marks obtained: 65

Dr. Jayaram T.N.

5. FDP for Faculty Members

http://www.tgpcet.com/DVV-Clarification/6/6.3.3/Teaching/2017-18-Teaching.pdf

6. Organized International Conference

http://www.tgpcet.com/DVV-Clarification/6/6.3.4/2017-18.pdf

7. **Renew of Professional Society Student Chapters of IE(I)**
8. **Renew Professional Society Student Chapters of ISTE**
9. **Renew Professional Society Student Chapters of ICI**

http://www.tgpcet.com/NAAC-Criteria/6/6.5.3.pdf

10. Skill developments for Non-teaching staff

http://www.tgpcet.com/DVV-Clarification/6/6.3.3/Non-Teaching/2017-18-Non-Teaching.pdf

11. Skill Developments for Teaching Staff

http://www.tgpcet.com/DVV-Clarification/6/6.3.3/Teaching/2017-18-Teaching.pdf

12. Seminars/workshops on IPR conducted

http://www.tgpcet.com/DVV-Clarification/3/3.2.2-2017-18.pdf

13. Community and Social services programs conducted- " Swachha Bharat Abhiyan"

TulsiramjiGaikwad-Patil College of Engineering and Technology
Wardha Road, Nagpur-441 108
NAAC Accredited

National Service Scheme

Activity:	**Swachha Bharat Abhiyan**		
Activity Type:	**Social**	**Planned/Unplanned:**	**Planned**
Activity Date:	**2nd October, 2018**	**Target Audience:**	**All**
Branch:	**All**	**Semester:**	**All**
Organizing Department:	**NSS Unit**		
Faculty Convener:	**Mr. A. C. Fulzele**		
No. of Participant:	**1211**		

Brief Report/Summary of Activity:-

The National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology organized Swachh Bharat Abhiyan. In the event, the students of various branch participated in cleaning the surrounding college campus and Mohgaon village. The event was coordinated by Mr. A. C. Fulzele, NSS Programme Officer, TGPCET. In this mass volume activity around 1138 student volunteers and 73 faculties came forward for this novel cause of social activity at Gumgaon Gram Panchayat..

The main purpose of this activity is to accelerate the efforts to achieve universal sanitation coverage and to put focus on sanitation, the Prime Minister of India, Shri Narendra Modi, launched the Swachh Bharat Mission on 2nd October, 2014. The Mission Coordinator shall be Secretary, Department of Drinking Water and Sanitation (DDWS), Ministry of Jalshakti with two Sub-Missions – the Swachh Bharat Mission (Gramin) and the Swachh Bharat Mission (Urban). The Mission aims to achieve a Swachh Bharat by 2019, as a fitting tribute to Mahatma Gandhi on his 150th birth anniversary.

Prime Minister has helped spread the message of Swachh Bharat by urging people through his words & action. He carried out a cleanliness drive in Varanasi as well. He wielded a spade near River Ganga at Assi Ghat in Varanasi under the Clean India Mission. He was joined by a large group of local people who cooperated in the Swachhta Abhiyan. Understanding the significance of sanitation, Prime Minister, Shri Narendra Modi has simultaneously addressed the health problems that roughly half of the Indians families have to deal with due to lack of proper toilets in their homes.

Outcome of Event:- To accelerate the efforts to achieve universal sanitation coverage and to put focus on clean surrounding.

Tulsiramji Gaikwad Patil College of Engg. & Tech. Nagpur SEAL

Mapping with PO's:-
The engineer and society
Life-long learning

Glimpses of Event :-

National Service Scheme

Group of Students Along With Faculty Under Swachha Bharat Abhiyan

Group of Students Along With Faculty Under Swachha Bharat Abhiyan

14. Implementation in activities of the Mentoring cell

http://tgpcet.com/NAAC-Criteria/2/2.3.3.pdf

15. Improvement in linkage developed with National/ International academic /research bodies

http://www.tgpcet.com/NAAC-Criteria/3/3.5.2-2017-18.pdf

16. Addressing curriculum Gap through Industrial guest lectures and Industrial Visits

http://tgpcet.com/NAAC-Criteria/3/3.5.1_a.pdf

http://tgpcet.com/NAAC-Criteria/3/3.5.1_b.pdf

http://tgpcet.com/NAAC-Criteria/3/3.5.1_c.pdf

http://tgpcet.com/NAAC-Criteria/3/3.5.1_d.pdf

http://tgpcet.com/NAAC-Criteria/3/3.5.1_e.pdf

17. Additional design and open ended experiments in every laboratory

TULSIRAMJI GAIKWAD-PATIL College of Engineering & Technology
Mohgaon, Wardha Road, Nagpur – 441 108

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Sr. No.	Name of Experiment	Date of performance	Date of Submission	Marks	Signature	Remark
1	Introduction of game development tool, with Design and Feasibility of game.	11-2-16	22-02-16	B	22-2-16	
2	A) To study game software process. B) Planning of each stage of game with objective to achieve.	11-2-16	22-02-16	B+ B+	22-2-16	
3	A) Introduction of risk management of game. Identify risk in your game. B) Draw a technical architecture of game.	11-2-16	22-02-16	B+ B	22-2-16	
4	Develop a component-based architecture for a game.	22-2-16	25-2-16	B	25-2-16	
5	A) To study different testing methodology for game. B) To perform testing on proposed game & write testing document for your game.	22-2-16	25-2-16	B B	25.2.16	

6	Documenting Use Cases and Activity Diagrams.	25-2-16	1-06-16	B	5-4-16	
7	Calculate complexity of game.	1-4-16	5-06-16	B	5-4-16	
8	To get review of your game.	1-4-16	5-06-16	B	5-4-16	
9	To submit your developed game with supporting documents.	1-4-16	5-06-16	B	5-4-16	

INDEX

Sr. No.	Name of Experiment	Date of performance	Date of Submission	Marks	Dated Signature	Remark
1	Introduction of game development tool, with Design and Feasibility of game.	07/12/17	14/12/17	A+	14/12	
2	**A)** To study game software process. **B)** Planning of each stage of game with objective to achieve.	14/12/17	21/12/17	A+	21/12	
3	**A)** Introduction of risk management of game. Identify risk in your game. **B)** Draw a technical architecture of game.	21/12/17	4/01/18	A	4/1	
4	Develop a component-based architecture for a game.	04/01/18	18/01/18	A+	18/1	
5	**A)** To study different testing methodology for game. **B)**To perform testing on proposed game & write testing document for your game.	18/01/18	25/01/18	A+	25/1	
6	Documenting Use Cases and Activity Diagrams.	25/02/18	08/02/18	A	8/2	
	Calculate complexity					

8	To submit your developed game with supporting documents.	15/02/18	22/2/18	A+	22/2	
9	To developed a game by applying preparing treatment.	22/2/18	07/03/18	A+	7/3	
10	Design a game to implement a gameplay.	07/03/18	08/03/18	B	8/3	

18. Microteaching for New Faculty Members

19. Implementation of New ICT Initiatives

http://tgpcet.com/DVV-Clarification/2/2.3.2.pdf

20. Induction Program -A, orientation program to introduce the fresh students to various learning centers to facilitate interaction with faculty and thereby create an awareness of Engineering education

21. Bridge Course and Remedial Classes

Link of Bridge Course:

http://www.tgpcet.com/Student-Support-System/Bridge-Courses.pdf

Link of Remedial Class

http://www.tgpcet.com/Student-Support-System/Remedial-Coaching.pdf

22. Felicitation of Faculty members for Excellent performance in various areas

GAIKWAD-PATIL
Group of Institutions

Mohgaon,Wardha Road, Nagpur - 441 108 www.gpgit.com

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Approved by AICTE New Delhi / Govt. of Maharashtra & Affiliated to RTM Nagpur University

Certificate of Appreciation

This Certificate of Appreciation is given to Dr./Prof. Snehal Paliwal

Department of Electronics & Communication Engg at **Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur** for his/her excellent academic performance in the subject NAS in semester IIIrd during Academic Year 2019 - 2020.

Date: 05th Sept 2019

Principal

12 Years

Dr. Mohan Gaikwad - Patil
Chairman, GPG

B.E. | B.Arch. | M.Tech. | M.B.A. | M.C.A. | POLY.

23. Felicitation of Topper Students

24. Submission of Research Proposal to various funding agencies like AICTE, DST, etc