



**Tulsiramji Gaikwad-Patil College of Engineering & Technology**

Wardha Road, Nagpur-441 108

NAAC Accredited

**Internal Quality Assurance Cell**

# **Annual Quality Assurance Report**

## **(AQAR 2017-18)**

**Submitted to**

**National Assessment and accreditation  
Council (NAAC)**

**2017-18**

# The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

## Part – A

### I. Details of the Institution

1.1 Name of the Institution

Tulsiramji Gaikwad-Patil College of Engineering and Technology,  
Nagpur

1.2 Address Line 1

Khasara No. 8/1 PSK 74 NH-7, Mohgaon

Address Line 2

Wardha road, Nagpur

City/Town

Nagpur

State

Maharashtra

Pin Code

441 108

Institution e-mail address

principal@tgpcet.com

Contact Nos.

9763711372

Name of the Head of the Institution:

Dr.G.K.Awari

Tel. No. with STD Code:

Tel: 0712 – 2240656

Mobile:

9922966173

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHC OGN 18879)

1.4 NAAC Executive Committee No. & Date:   
(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	B	2.35	2016	5 years
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 AQAR for the year (for example 2010-11)

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011))

- i. AQAR\_30/11/2018\_\_\_\_\_ (DD/MM/YYYY)  
 ii. AQAR\_\_\_\_\_ (DD/MM/YYYY)  
 iii. AQAR\_\_\_\_\_ (DD/MM/YYYY)  
 iv. AQAR\_\_\_\_\_ (DD/MM/YYYY)

1.10 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

Nil

1.12 Name of the Affiliating University (for the Colleges)

Rashtrasant Tukadoji Maharaj  
Nagpur University, Nagpur

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	NIL		
University with Potential for Excellence	NIL	UGC-CPE	NIL
DST Star Scheme	NIL	UGC-CE	NIL
UGC-Special Assistance Programme	NIL	DST-FIST	NIL
UGC-Innovative PG programmes	NIL	Any other ( <i>Specify</i> )	AICTE-SPDP
UGC-COP Programmes	NIL		

## **2. IQAC Composition and Activities**

2.1 No. of Teachers	8
2.2 No. of Administrative/Technical staff	2
2.3 No. of students	3
2.4 No. of Management representatives	2
2.5 No. of Alumni	3
2.6 No. of any other stakeholder and community representatives	2
2.7 No. of Employers/ Industrialists	2
2.8 No. of other External Experts	1
2.9 Total No. of members	23
2.10 No. of IQAC meetings held	12

2.11 No. of meetings with various stakeholders: No.  Faculty   
 Non-Teaching Staff  Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

Department of Computer Science & Engineering	<p><b>Conference on</b></p> <ul style="list-style-type: none"> <li>4<sup>th</sup> International conference Techsoft-18 Inaugurated by Dr. Charanpote, Professor, PCE, Nagpur on 23<sup>rd</sup> -24<sup>th</sup> February, 2018.</li> </ul> <p><b>Workshop On</b></p> <ul style="list-style-type: none"> <li>“Oracle Virtual Database” by Mr.Tushar Kottawar Oracle Trainer,Unisoft Technology, Nagpur on 1<sup>st</sup> Feb. 2018.</li> </ul> <p><b>Technical Event on:</b></p> <ul style="list-style-type: none"> <li>REBOOT-17 technical symposium on 9<sup>th</sup> September 2017</li> </ul> <p><b>Seminar on</b></p> <ul style="list-style-type: none"> <li>“Recent Trends in the field of Computer Science” by Mr. Abhijit Bakale CTO, Lemures Technologies, Nagpur on 14<sup>th</sup> August 2017</li> <li>“Intellectual Property Rights (IPR’s)” by Mrs. Chhaya Satpute, Sr. Documentation Officer, RGNIIPM, Nagpur, on 20<sup>th</sup> December 2017.</li> <li>“Future scope in S/W development” by Mr. Gutam Sontake Director , GR Solution Pvt. Ltd., Nagpur on 22<sup>nd</sup> Sep. 2016</li> </ul> <p><b>Guest Lecture on</b></p> <ul style="list-style-type: none"> <li>“Demonstration on Configuration of LAN, WAN Network” by Mr. Raj Arora, CEO, Revat Network, Nagpur on 22<sup>nd</sup> January 2018</li> <li>“Intellectual Property Rights (IPR’s)” by Mrs. Chhaya Satpute, Sr.</li> </ul>
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	<p>Documentation Officer, RGNIIPM, Nagpur, on 11 August 2017</p> <p><b>Industrial Visit to</b></p> <ul style="list-style-type: none"> <li>• “IT Networkz Pvt. Ltd,” Laxmi Nagar, Nagpur on 25<sup>th</sup> Jan. 2018</li> <li>• “Axiom Tech Guru Solutions Pvt. Ltd”, Nagpur on 18<sup>th</sup> Jan 2018.</li> <li>• “Axiom Tech Guru Solutions Pvt. Ltd”, Nagpur on 14<sup>th</sup> July 2017.</li> <li>• “Axiom Tech Guru Solutions Pvt. Ltd”, Nagpur on 13<sup>th</sup> July 2017.</li> <li>• “IT Networkz Pvt. Ltd,” Laxmi Nagar, Nagpur on 7<sup>th</sup> August 2017.</li> </ul>
Department of Electronics & Communication Engineering	<p><b>Conference on</b></p> <ul style="list-style-type: none"> <li>• 4<sup>th</sup> International conference “Techotronics-18” Inaugurated by Mr.Y.H.Chiwande, Director of All India Radio, Nagpur and Dr. Mohini Vyawahare, Assot. Professor, PCE, Nagpur on 23<sup>rd</sup> February, 2018 and 24<sup>th</sup> February, 2018</li> </ul> <p><b>Workshop on</b></p> <ul style="list-style-type: none"> <li>• Hands on experience on LAN, WAN, DHCP and DNS by Mr. Raj Arora, Project Engineer, Rewat Networks, Nagpur on 6<sup>th</sup> February 2018</li> </ul> <p><b>Guest Lecture on</b></p> <ul style="list-style-type: none"> <li>• Industrial Automation with PLC Scada by Mr. Sarang Pimpalkar, Asst. Manager, Prolific Systems &amp; Technology Pvt. Ltd., Nagpur on 12<sup>th</sup> February, 2018</li> <li>• Application of Electronics in Medical Field by Mr. Sanjab Kumar Reddy, Director, Maya Medical Electronics Equipment on 7<sup>th</sup> August, 2017</li> <li>• Etiquettes of Using Electronic Gadget by Mr. Sudhir Akojwar, Professor &amp; Head GCOE, Chandrapur on 4<sup>th</sup> July 2017</li> <li>• Importance of Electronics in Mechatronics by Mr. Mahesh Chopde, Head, SSCET, Chandrapur on 7<sup>th</sup> September, 2017</li> </ul> <p><b>Industrial Visit</b></p> <ul style="list-style-type: none"> <li>• Industrial Visit at A.R. Communication Televenture, Devan Plaza, Lokamat Square Nagpur on 10<sup>th</sup> February, 2018</li> <li>• Industrial Visit at A.R. Communication Televenture, Devan Plaza, Lokamat Square Nagpur on 12<sup>th</sup> February, 2018</li> <li>• Industrial Visit at Bajaj Steel Industries, MIDC, Hingna on 10<sup>th</sup> August, 2017</li> </ul>
IT Department	<p><b>Conference on:</b></p>

	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> International Conference “Techsoft-18” Inaugurated by Dr. Charan Pote, Professor, PCE, Nagpur on 23<sup>rd</sup> -24<sup>th</sup> January 2018.</li> </ul> <p><b>Workshop on:</b></p> <ul style="list-style-type: none"> <li>• Two days national workshop on “Internet of Things using Arduino” by resource person Dr. Mahesh Jivani, (Professor, Department of Electronics, Saurashtra University, Rajkot) on 8<sup>th</sup> &amp; 9<sup>th</sup> February, 2018</li> </ul> <p><b>Guest Lecture on:</b></p> <ul style="list-style-type: none"> <li>• Guest Lecture on Android System by Ms. Archana Pathak Sr. Executive TOPS Technologies Nagpur on 26<sup>th</sup> July, 2017</li> <li>• Guest Lecture on overview of JAVA &amp; Dot Net by resource person Ms. Mayuri Hedao HR Manager at Callisto IT Solutions Nagpur on 28<sup>th</sup> July, 2017</li> <li>• Guest Lecture on "Networking Basics" by Mr. Prabuddha Sanyal, IT Networkz Pvt. Ltd. on 16<sup>th</sup> August, 2017</li> <li>• Guest Lecture on "Job opportunities in IT Sector" by Mr. Ajay Katkar, Kratin Software Solutions on 23<sup>rd</sup> August, 2017</li> <li>• Guest Lecture on "Cloud Computing by Mr. Rahul Verma, Kloud Data Solutions Nagpur on 31<sup>st</sup> August, 2017</li> </ul> <p><b>Industrial Visit:</b></p> <ul style="list-style-type: none"> <li>• To Technobase Solutions Pvt. Ltd. Nagpur on 05/08/2017</li> <li>• Sensor and System Pvt. Ltd. on 16/09/2017</li> <li>• Indigrid Technology Pvt. Ltd. on 29/12/2017</li> <li>• Aggressive Digital Systems Pvt. Ltd. on 30/12/2017</li> </ul>
Civil Department	<p><b>Conference on</b></p> <ul style="list-style-type: none"> <li>• Department of Civil Engineering organized International Conference on Emerging Trends in Civil Engineering ICETCE-18 on 23<sup>rd</sup> and 24<sup>th</sup> February 2018</li> </ul> <p><b>Workshop on</b></p> <ul style="list-style-type: none"> <li>• Department of Civil Engineering organized Two Days Workshop on Industrial application of Strength of Material and Concrete Technology on 23<sup>rd</sup> June 2017 and 24<sup>th</sup> June 2017</li> </ul> <p><b>Guest lecture on</b></p> <ul style="list-style-type: none"> <li>• Guest Lecture organized on “Applications of Civil Engineering in Banking Sector” by Akhil Kasturkar, Central Head GRCT Nagpur on 7/7/2017</li> <li>• Guest Lecture organized on “Concrete and its Applications” by Mr. Pranay P. Jain, Senior Technical Officer, Aambuja Cement Ltd, Nagpur on 29/08/2017</li> <li>• Guest Lecture organized on “Pre-Engineered Building System” by</li> </ul>



	<p>structural designer Dr. Ramesh Meghrajani, CEO Neo Infrastructure Pvt. Ltd. on 11/9/2017</p> <ul style="list-style-type: none"> <li>• Guest Lecture organized on “The Basic Structures in Civil Engineering” by Mr. Chetan Khapekar, Chief operating officer, Dream Knowledge Technology, Nagpur on 12/9/2017</li> <li>• Guest Lecture organized on “Primavera” by Miss Yashika Neral, Sr. Faculty for Design Engineer Software’s, ASTRAL Infomatices Pvt. Ltd. on 19/9/2017</li> <li>• An expert lecture conducted on “Infrastructure Projects with emphasis on Metro” by Shri Ulhas W. Hood, Group General Manager, National Capital Region Transportation Co. Government of India. on 09/01/2018</li> <li>• Guest Lecture organized on “Theory of Plates &amp; Shells” by Prof. Sanjay Raut on 11/1/2018</li> <li>• Guest Lecture organized on “Significance of Civil Engineering Latest Professional Software in industry” by Mr. Nityanand Rathod (Director, Excavus) on 6/2/2018</li> <li>• Guest lecture arranged on Building Information Modeling (BIM) by Ms. Yashika Neral, Software Trainer, Astra Informatics, Nagpur on 06/03/2018</li> </ul> <p><b>Industrial Visit</b></p> <ul style="list-style-type: none"> <li>• Site Visit of 3rd Sem Students to Gorewada WTP on 15/7/2017</li> <li>• Site Visit of 3rd &amp; 5th Sem Students to Kapreon Sleeper Works Pvt. Ltd. , Butibori, Nagpur on 22/7/2017</li> <li>• Site Visit of 5th Sem Students to Pench project (Khairi , Navegaon ) on 25/7/207</li> <li>• Site Visit of 4th Semester Students to RMC (MIDC, Hingna) on 17/1/2018</li> <li>• Site Visit to Maharashtra Remote Sensing Applications Centre (M.R.S.A.C) at Nagpur to offer benefits of Remote Sensing and Geographic Information System (GIS) Technologies to the State on 18/1/2018</li> <li>• 8th semester students of Civil Engineering Site visit to Gosekhurd Dam under the technical site visit program on 15/2/2018</li> </ul> <p><b>Industrial Tour</b></p> <ul style="list-style-type: none"> <li>• Department of Civil Engineering arranged 'Kerala to Kanyakumari' Educational Tour Program from 19th December 2017 to 27th December 2017</li> <li>• Department of Civil Engineering arranged 'Bor Dam' Faculty Tour Program on 06/01/2018</li> </ul>
Mechanical Department	<p><b>Conference on</b></p> <p><b>4<sup>th</sup> International Conference TECHTANTRA-18</b> Inaugurated on 23<sup>rd</sup> -24<sup>th</sup> February 2018 by Dr. Ishwar Keswani, Head, Industrial Engg. Shri Ramdeobaba College of Engg. And Management, Dr.R.R.Choudhary Head, Mechanical Engg, Government Engg.College, Nagpur, Dr.S.S.Choudhary,</p>

	<p>Head, Mechanical Engg. YCCE, Nagpur</p> <p><b>Workshop on</b></p> <ul style="list-style-type: none"> <li>• Workshop on “CNC Programmig and GD&amp;T organized by Prof. N. Wayzode and Prof. V.Kshirsagar on 14<sup>th</sup> Aug 2017</li> <li>• Workshop on Personality Development "Shivaji The Great Engineer" with renowned guest speaker Mr.Aditya Lohe on 7<sup>th</sup> Feb 2018</li> <li>• Workshop on Drone Technology organized by Mechanical department with collaboration of MSSD govt of Maharashtra and CNC training Center TGPCET, Nagpur on 19<sup>th</sup> Feb 2018</li> </ul> <p><b>Technical Event</b></p> <ul style="list-style-type: none"> <li>• National level Event TECHkriti-2K17 on 2<sup>nd</sup> August 2017 by Resource persons Mr. Hemant Wanjari , Area Manager,TAFE Pvt. Ltd., Nagpur</li> </ul> <p><b>Guest Lecture on</b></p> <ul style="list-style-type: none"> <li>• Guest Lecturer on "New Trendes of Automobile Engineering" by Mr. Nilresh Kolpaykwar AMZ automotives on 13<sup>th</sup> Aug 2017</li> <li>• Guest Lecture on “CAD/FEM” by Mr. Nitesh Mahule ,CAD/CAM Guru, Nagpur Centre on 4<sup>th</sup> Aug 17</li> <li>• Guest Lecturer on "CNC Codes and Training " by Mr. Amol Khichde,KEC International ,MIDC Butibori on 18<sup>th</sup> Jan 2018</li> <li>• Guest Lecture on "Advance Renewable Energy resources " by Mr. Dhanraj Tamgire, ESSAR Ltd.Mumbai on 25<sup>th</sup> Jang 2018</li> <li>• Guest Lecture on "Engineering Metallurgy and Heat treatment Processes" by Mr. Nand Kumar Singh ,Heat Treat Well ,MIDC Hingna, Nagpur on 14<sup>th</sup> Feb 2018</li> </ul> <p><b>Industrial Visit</b></p> <ul style="list-style-type: none"> <li>• Technocrats India Pvt. Ltd., MIDC Hingna, Nagpur on 22<sup>th</sup> July 2017</li> <li>• Pravin Technotrac Engineering Pvt. Ltd, MIDC Hingna, Nagpur on 22<sup>th</sup> July 2017</li> <li>• Heat Treat Well Pvt. Ltd., MIDC Hingna, Nagpur on 29<sup>th</sup> July 2017</li> <li>• Shivam foods Pvt. Ltd.Bahandara Road, Nagpur on 5<sup>th</sup> Aug 2017</li> <li>• KEC International MIDC, Butibori, Nagpur on 8<sup>th</sup> Aug 2017</li> <li>• KEC International MIDC, Butibori, Nagpur on 6<sup>th</sup> Sep. 2017</li> <li>• LOKMAT Printing PressMIDC, Butibori, Nagpur on 7<sup>th</sup> Sep. 2017</li> <li>• Transrail Lighting Limited MIDC, Deoli, Wardha on 13<sup>th</sup> Jan 2018</li> <li>• Indoworth India Ltd ,MIDC Butibori, Nagpur on 19<sup>th</sup> Feb 2018</li> </ul>
Electrical Department	<p><b>Conference on</b></p> <ul style="list-style-type: none"> <li>• 4<sup>th</sup> International Conference inaugurated by Mr.Y.H.Chiwande, Director of All India Radio, Nagpur and Dr. Mohini Vyawahare, Assot.</li> </ul>

	<p>Professor,PCE,Nagpur on 23<sup>rd</sup> February,2018 and 24<sup>th</sup> February,2018</p> <p><b>Guest lecture on</b></p> <ul style="list-style-type: none"> <li>• Guest lecture on Autocad (3D&amp;4D) by Mr.Abhijit Parasher, Trainer,F6 Training Solution,Nagpur on 12/01/2018</li> <li>• Guest lecture on Single phase &amp; Three phase IM by Dr. B. S. Umre, Professor VNIT, Nagpur on 06/03/2018</li> <li>• Guest lecture on Inverters by Dr. M. M.Renge, Professor RKNEC, Nagpur on 12/02/2018</li> <li>• Guest lecture on Importance of saving water and solar system application installed by NEERI by Dr. Sadhna Railu, Sr. Principal Scientist NEERI on 20/02/2018</li> <li>• Guest lecture on The pollution control strategy adopted at the generation system now a days by Mr. P. N. Rao, S.E (O&amp;M),MSEB, Nagpur on 20/02/2018</li> <li>• Guest lecture on Recent Development in 3phase IM by Mr.Anil Palamwar, Ex.Director, MSEB, Nagpur on 12/10/2017</li> <li>• Guest lecture on Electrical Autocad by Miss. Sonali Udupure, Trainer Autocad on 16/09/2017</li> <li>• Guest Lecture on Research &amp; Publications by Dr. Latesh Bhagat, HoD,CSE,GCN on 13/09/2017</li> <li>• Guest lecture on SCADA &amp; PLC by Mr.Sarang Pimpalkar, Trainer on 29/09/2017</li> </ul> <p><b>Industrial Visit</b></p> <ul style="list-style-type: none"> <li>• To JP, Electricals, Hingna Nagpur on 28/09/2017</li> <li>• Chandrapur Super Thermal Power Station, Chandrapur on 20/02/2018</li> <li>• Pench Hydro Electric Project, Pench on 15/02/2018</li> </ul>
MBA Department	<p><b>Conference on</b></p> <ul style="list-style-type: none"> <li>• ACUMEN-18, An International Conference on “Innovation and Research in Engineering Science &amp; Technology” organized by MBA department of Tulsiramji Gaikwad-Patil Collge of Engineering and Technology on 23<sup>rd</sup> and 24<sup>th</sup> Feb.2018.</li> </ul> <p><b>Workshop on</b></p> <ul style="list-style-type: none"> <li>• For non- teaching faculty for “Ethics in Workplace” Time management,</li> </ul>

	<p>Stress Management and Communication Skill on 17/02/2018.</p> <p><b>Guest lecture on</b></p> <ul style="list-style-type: none"> <li>• Production Management by Mr. Praveen Poonia asst. Vice President – Technical Services, Indoworth India Ltd. On 23<sup>rd</sup> September 2017</li> <li>• Supply Chain Management by Mr. Parag Dhumal Associate Professor, University of Wisconsin Parkside, USA</li> </ul> <p><b>Industrial Visit organize</b></p> <ul style="list-style-type: none"> <li>• To CLC Spentex Industrirs. (28/09/2017)</li> <li>• To Indoworth India Ltd. Butibori (6/3/2018)</li> </ul>
MCA Department	<p><b>Conference on</b></p> <ul style="list-style-type: none"> <li>• 4<sup>th</sup> International Conference “Techsoft-18” on 23<sup>rd</sup> -24<sup>th</sup> February 2018</li> </ul> <p><b>Guest lecture on</b></p> <ul style="list-style-type: none"> <li>• Guest Lecture on recent trend on IT by Mr. Kedar Armarkar from VR Solution from Nagpur on 23/09/2017</li> </ul> <p><b>Industrial Visit</b></p> <ul style="list-style-type: none"> <li>• To Varna Soft Technologies Pvt. Ltd., Nagpur on 21/01/2017</li> </ul>

## 2.14 Significant Activities and contributions made by IQAC

- Received funds from funding Agency like AICTE, ISTE
- 4<sup>th</sup> International Conference organized on “Recent trends in Engineering.”
- Value addition programmes/ Career oriented technical training Programme for students to improve their technical acquaintance
- Felicitation of faculty members for their academic performance
- Faculty exchange program for higher studies
- Microteaching Sessions were conducted to improve teaching-learning process
- IQAC is constantly evaluating and improving teaching learning process through feedbacks
- Orientation programmes were conducted for newly recruited faculty members
- Orientation programmes were conducted for newly admitted students
- MoU with industries
- Academic Audit conducted
- IQAC in association with T&P department conducted placement oriented lectures for improvement in placement ratio.
- Interaction with industries for carrying the activities of Career planning, Guidance, training and placement activities.
- Encouraged Students for Industrial visits to understand and to gain the knowledge of new concepts.
- In-house training is imparted to non-teaching staff for skill up gradation
- Encouragement is given to Students to participate in different events like Sports / NSS activities at national/International level
- Faculty members are deputed to undergo training programmes in Industries and IIT's to bridge the gap between curriculum and technological advancement

## 2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year \*

<b>Plan of Action</b>	<b>Achievements</b>
Outcome based teaching methodology	Improvement in the skills, knowledge and placement ratio of students

Academic Audit Pre-Session and Post session	Pre Session and Post Session Academic audits are Conducted by Inter-department faculty members and verified the existing processes for continuous improvement
Submitting Research proposals to various funding Agencies.	Submitted proposals to various funding agencies and received grants for – <ul style="list-style-type: none"> <li>• Received funds of Rs.3,00,000/- under the Proposal Induction -Refresher Programme On Renewable Energy Resources through funding Agency AICTE-ISTE</li> <li>• Received funds of Rs.6,80,000/- under the ongoing Proposal of FDP on CNC RAPID through funding agency AICTE, New Delhi</li> <li>• Received funds of Rs.17,57000/- under the ongoing proposal of Skill &amp; Personality Development Programme Centre For Sc/St Students through funding agency AICTE, New Delhi</li> </ul>
Internship facility for students	Winter and Summer 1 month internship for students to accumulate industrial culture
Conduction of International / National Conferences / STTP / Workshops / Seminars etc.	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> International Conference on “Recent trend in Engineering’ on 23<sup>rd</sup> February,2018 and 24<sup>th</sup> February,2018 to provide the forum for exchange the research ideas</li> </ul>

\* Attach the Academic Calendar of the year as Annexure.

### Academic Calendars provided in Annexure I

2.15 Whether the AQAR was placed in statutory body      Yes  No   
Management       Syndicate       Any other body

Provide the details of the action taken

The Governing council and IQAC Committee members approved the Annual Quality Assurance Report (AQAR) after thorough brain storming session. They have also suggested minor modifications and instructed IQAC coordinator to present draft for future course of action

## Part – B

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG	7		7	
UG	7		7	
PG Diploma				
Advanced Diploma				
Diploma	4		4	
Certificate				
Others				
<b>Total</b>	18		18	
Interdisciplinary				
Innovative				

##### 1.2 (i) Flexibility of the Curriculum: CBCS<sup>√</sup> / Core / Elective option<sup>√</sup> / Open options<sup>√</sup>

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	18 (All Programs)
Trimester	
Annual	

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students   
*(On all aspects)*

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

No

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
177	157	18	02	00

2.2 No. of permanent faculty with Ph.D.

18
----

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
23	0	2	0	0	0	0	0	25	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

00	29	00
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	23	52	01
Presented papers	40	10	01
Resource Persons	Nil	06	02

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Pedagogical Methods of effective teaching-learning were introduced
- Emphasis on project based learning
- SMART and Virtual class Room were made available for students
- Online MCQ-Test was Introduced
- NPTEL video lectures of faculty members were prepared and available on YouTube for Students
- Technical trainings were given to students to improve their technical acquaintance
- Microteaching sessions were conducted for faculty to improve the teaching-learning skills
- STTP, Seminars, Guest lectures, Industrial Visit and workshop were Conducted
- Case studies are introduced to gain the skill and knowledge
- Technical, analytical skill development, GD / PI sessions were conducted for students as a part of pre placement activity.
- Use of multimedia tools to enhance teaching-learning process



2.7 Total No. of actual teaching days

during this academic year

225 (115+110)

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

Online Multiple Choice Questions, Open Book Exam, Spot Valuation

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development

09

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

85-90%

2.11 Course/Programme wise distribution of pass percentage:

**Under Graduate Programmes**

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Computer Science & Engineering (Final Year)	64	28.12%	71.87%	0%	0%	100%
Civil Engineering (Final Year)	74	19%	73%	0%	0%	92%
Electronics & Communication Engineering (Final Year)	40	2.5.%	92.5%	0%	0%	95%
Electrical Engineering (Final Year)	64	6.25%	54.68%	26.56%	0%	87.49%
Electronics Engineering (Final Year)	18	0%	77.77%	0%	0%	77.77%
Information Technology (Final Year)	22	22%	68.91%	0%	0%	90.91%
Mechanical Engineering (Final Year)	111	2.70%	72.97%	6.30%	0%	81.98%

**Post Graduate Programmes**

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
Master of Computer Applications (Final Year)	33	3%	93.10%	0%	0%	96.97%

Master of Business Administration (Final Year)	29	37.93%	34.48%	0%	0%	72.41%
M.Tech in Computer Science & Engineering (Final Year)	16	31.25%	62.5%	0%	0%	93.75%
M.Tech in Electronics (Communication) (Final Year)	12	58.33%	41.67%	0%	0%	100%
M.Tech in Integrated Power System (Final Year)	16	12.5%	87.50%	0%	0%	100%
M.Tech in Structural Engineering (Final Year)	10	20%	80%	0%	0%	100%
ME in Wireless Communication & Computing (Final Year)	07	100%	0%	0%	0%	100%

#### 2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

- Analyzing the student's feedback in Theory and practical
- Organizes guest lecturers/seminars/workshops to cover the topics beyond syllabus
- Campus Recruitment Training conducted for students
- Arranged training programs/Faculty Development Program/Induction Program for faculty and students.
- Special attention for the slow learner was given through extra classes and mentoring them
- Use of ICT tools in syllabus coverage.
- Use of pedagogical techniques in teaching-learning
- Encouraged industry visits and student internship at industry.
- Encouraged industry based projects.
- To use Innovative Teaching learning methodologies.
- Monitors the syllabus coverage as per the lecture schedules and number of periods engaged.
- Monitors the number of experiments prescribed and conducted in each laboratory and the experiments beyond the syllabus.
- Every Department has its Programme Educational Objectives, Programme Specific Objectives and Programme Outcomes based on vision and mission of the Department in line with the vision of the Institute. Outcomes are framed for every course. Indirect methods include student feedback, course end survey, exit feedback, alumni feedback etc. Based on the feedback of the student's course end survey, exit feedback, alumni feedback proper actions are initiated.
- Evaluates the Teaching & Learning processes based on the assessment and attainment of the Programme Outcomes of every Department.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	15
UGC – Faculty Improvement Programme	3
HRD programmes	Nil
Orientation programmes	17
Faculty exchange programme	07
Staff training conducted by the university	09
Staff training conducted by other institutions	05
Summer / Winter schools, Workshops, etc.	27
Others	40

### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	98	0	2	0
Technical Staff	31	0	1	2

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- To cultivate strong research culture amongst faculty members and students.
- To embed research in all levels of academic activities.

In order to achieve this following initiatives / actions are undertaken

#### 1. Incentives and Motivation for research activity:

- Faculty members are encouraged to carry out research on societal needs
- Faculty members are motivated to carry out research in interdisciplinary domain
- Incentives are given to faculty members for patent filing and publications in referred journals

#### 2. Incentives and Motivation for Pursuing Higher Studies:

- Faculty member of the college are allowed to pursue Part-Time/full-time PhD
- Faculty members those are pursuing Full time PhD may get 3 years lien
- Deputation of faculty members for attending various workshops/conference/symposia
- Faculty members are deputed in nearby industries to identify and solve their problems

#### 3. Faculty Development initiatives:

- Faculty members are encourage to submit research proposal to various funding agencies like AICTE/ISTE/DST/MNRES etc.
- Induction /Refresher programme sponsored by AICTE, ISTE on “Recent Trends in Renewable Energy Resource” was organized by Department of Mechanical Engineering on 18-23 June 2018.
- Received funds of Rs.6,80,000/- under the Proposal of FDP on “CNC RAPID Prototyping” sponsored by AICTE, New Delhi
- Received funds of Rs.17,57000/- under the proposal of “Skill & Personality Development Programme Centre For SC/ST Students” sponsored by AICTE, New Delhi

#### 3. Other initiatives:

- Research Laboratory is established in every department to cultivate the research environment among the students.
- Students are encouraged to pursue projects based on research outcomes.
- Students are encouraged to publish their research articles in UGC/referred journals and sponsored to participate in National and International conferences.
- Students are also provided opportunities to carry out industry associated / sponsored / assisted projects in the curriculum.
- Research Groups are formed based on faculty expertise and research interest. Their regular meetings are organized to monitor and access the progress of research work.

3.2 Details regarding major projects

Number	Completed	Ongoing	Sanctioned	Submitted
	1. Induction - Refresher Programme on Renewable Energy Resources	1. Faculty Development Program on "CNC RAPID Proto typing"  2. Skill & Personality Development Programme Centre for SC/ST Students	1. Faculty Development Program on "CNC RAPID"  2. Skill & Personality Development Programme Centre for SC/ST Students	1. PRERANA- Programme Centre for SC/ST Students  2. Grant for Organizing Conference on National Level Conference on Renewable Energy Sources  3. TGS on Advances in Automobile Engineering  4. RPS on Cloud Computing  5. Modrob on Application of GPS and total Station for Dynamic Land use observation  6. RPS on Development of the vertical CNC Machine for physically challenged engineer/ operator  7. RPS on Development of Solar Drying System for crops of Vidarbha Region  8. Modrob on Modernisation & Removal of Obsolescence in IC Engine Laboratory  9. Modrob on Modernization of High Voltage Engineering Laboratory

				10.FDP on Practices and challenges of environmentally sustainable manufacturing  11. Power System Automation leading to Smart Grid using Soft Computing Techniques
Outlay in Rs. Lakhs	<b>Rs. 3,00000/-</b>	<b>Rs. 24,37,000/-</b>	<b>RS. 24,37,000/-</b>	<b>Rs.1,41,64,856/-</b>

### 3.3 Details regarding minor projects

Number	Completed	Ongoing	Sanctioned	Submitted
	1.Partial replacement of fine aggregate by rubber crump in railway concrete sleeper 2.Microcontroller integrated crop management system by using solar panel 3.online multiple choice question based examination system for TGPCET	1.Design of Economical beam section replacing light weight material below N.A  2. Crop Disease Identification System  3. Women Safety Device using GPS/GSM alert	Nil	1.STTP on Application of Mathematics in Engineering  2.STTP on Design of Rapid Prototyping : Future of Indian Manufacturing Industry  3.STTP on Application of Mathematics in Engineering  4.STTP on Essential of Cyber security and its Implementation using Open Source Tools  5.STTP on Human Resource Challenges and Strategies

Outlay in Rs. Lakhs	Nil	Nil	Nil	<b>Rs. 22,85,000/-</b>

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	42	10	Nil
Non-Peer Review Journals	Nil	Nil	Nil
e-Journals	58	7	Nil
Conference proceedings	54	2	Nil

### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received
Major projects	1 Year	AICTE-ISTE	Rs.3,00,000/-	Rs.3,00,000/-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	1 Year	1.IT NETWORKZ	-	-
		2.IT NETWORKZ		
Projects sponsored by the University/ College	1 Year	TGPCET	-	-
	1 Year	TGPCET	Rs.10,000/-	Rs.10,000/-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	2 Years	VMIT	Rs.2,00,000/-	Rs.1,30,000/-
<b>Total</b>			<b>Rs.5,10,000/-</b>	<b>Rs.4,40,000/-</b>

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

### 3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

Rs. 4, 76, 500/-

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	06	01	01	Nil	07
Sponsoring agencies	ISTE,IE(I)	MSBTE	Self	Nil	Self

3.12 No. of faculty served as experts, chairpersons or resource persons

09

3.13 No. of collaborations

International

Nil

National

06

Any other

04

3.14 No. of linkages created during this year

01

3.15 Total budget for research for current year in lakhs :

From funding agency

Nil

From Management of University/College

4, 35,000/-

Total

4, 35,000/-

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil
	Granted	Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
38	Nil	03	Nil	Nil	Nil	35

3.18 No. of faculty from the Institution

02

who are Ph. D. Guides

and students registered under them

05

3.19 No. of Ph.D. awarded by faculty from the Institution

02



3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF       SRF       Project Fellows       Any other (M.Tech)

3.21 No. of students Participated in NSS events:

University level       State level   
National level       International level

3.22 No. of students participated in NCC events:

University level       State level   
National level       International level

3.23 No. of Awards won in NSS:

University level       State level   
National level       International level

3.24 No. of Awards won in NCC:

University level       State level   
National level       International level

3.25 No. of Extension activities organized

University forum       College forum   
NCC       NSS       Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- **Blood Donation Camp:** ‘Even a Single Drop of Blood can make a difference while saving Life’. A voluntary blood donation camp was organized by TGPCET-NSS Unit on 18<sup>th</sup> July 2017 and 13<sup>th</sup> January 2018 in college campus. During the camp around 90 youth and the college staff came forward to donate the blood along with the Chairman of the Institution Dr. Mohan Gaikwad-Patil took active initiative and came forward to

donate blood. The camp dated on 18<sup>th</sup> July 2017 and 134<sup>h</sup> January 2018 was inaugurated by the hands of Dr.Mohan Gaikwad-Patil, Chairman, GPG and Prof.Sandeep Gaikwad ,Treasurer, GPGI. While addressing he said that a healthy adult could donate blood three or four times in a year. He also addressed other fears and misconception regarding blood donation. The special appreciation was given to NSS Unit by Dr. G.K.Awari, Principal TGPCET. Prof.Ashwadeep C. Fulzele , Program Officer, TGPCET-NSS Unit organized blood donation camp in healthy atmosphere. The volunteers of NSS Unit Mr. Mayur Dongre and team took efforts to make program successful.



### BLOOD DONATION CAMP ON NATIONAL YOUTH DAY 13<sup>TH</sup> JANUARY 2018

- **Tree Plantation Program at College Campus:** - TGPCET-NSS Unit has taken the initiative to plant more and more trees as trees are the real friend of human being. The tree plantation program was inaugurated at the hands of Dr. Mohan Gaikwad (Chairman, Gaikwad-Patil Group) at the institute on 15th August 2017. In the event, Mr. D. P. Bhojar, Chairman, Reliance Power Ltd, Butibori, Nagpur was the Chief Guest. The volunteer of TGPCET-NSS Unit has taken an oath of planting and nurturing more and more number of trees during the program. Prof. Ashwadeep C. Fulzele, NSS Program Officer, TGPCET-NSS Unit took the responsibility of nurturing all these trees from NSS Unit.



## CELEBRATION OF INDEPENDENCE DAY & TREE PLANTATION ON 15TH AUGUST 2017

- **Road Safety Awareness Programme:-** TGPCET NSS Unit organized Road Safety Awareness Fortnight Activity on 23<sup>rd</sup> December 2017 They have motivated all the students and teaching and nonteaching faculties to ride safely so that a good cause has been by them. The program was appreciated by Dr. Mohan Gaikwad, Chairman, GPG. During this program Prof. Sandeep Gaikwad, Treasurer, GPGI , Dr. G. K.Awari, Principal, Prof.Anil Hood, Director Administarion were present prominently. Prof. Ashwadeep C. Fulzele, Program Officer, TGPCET-NSS Unit has took efforts to make program successful.



### ROAD SAFETY AWARENESS PROGRAMME

- **Sankalp Day:-** The National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology organized Sankalp Day on 3<sup>rd</sup> January 2018. The event was organized for the students, teaching and non-teaching staff of the institute. In the event, Dr. G. K. Awari, Principal, TGPCET gave the opening remark. He motivated the gathering to set higher goal for the success. Dr. Shreepad B. Joshi, President, Akhil Bharatiya Marathi Sahitya Mahamandal, was the Chief Guest. He addressed the student, wherein he said that the students must remain connected with the society through the social gatherings. The youth must contribute for the development of the nation.Prof. Sandeep Gaikwad, Treasurer, GPGI and Shri. Anil Hood, Executive Director, GPGI also addressed the students. He explained the social responsibilities of the person. He further added that, at the time of nation building, the youth must take care of their health too. The generation is working hard, but it is observed that they are neglecting their health too.



### SANKALP DAY, DR. SHREEPAD . JOSHI AS CHIEF GUEST TAKING OATH ON 2ND JANUARY 2018

- National Youth Day:-** The Mechanical Engineering Department and National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology jointly organized National Youth Day 13<sup>th</sup> January 2018. The event was organized by the students of Mechanical Engineering Department. In the event, Shri. Anil Hood, Executive Director, GPGI gave the opening remark. The National Youth Day is celebrated every year on the occasion of birth anniversary of Swami Vivekananda. He motivated the youth to set higher goal for the success. Mr. Amol Pusadkar, Manager, Mahindra & Mahindra Ltd. Nagpur was the Chief Guest. He makes the students understand the importance of connectivity of youth with society through social gathering. They must contribute for the development of the nation. In the event, Dr. Mohan Gaikwad, Chairman, GPG welcome the Chief Guest by giving memento. Dr. G. K. Awari, Principal, TGPCET, Prof. Sandeep Gaikwad, Treasurer, GPGI was also present. The programme was followed by a skit.



### NATIONAL YOUTH DAY NAGPUR ON 13TH JANUARY 2018

- Workshop on Handicraft:-** The National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology, Nagpur. Mr. Dipak Jha and Mr. J. M. Aggarwal from Delhi performed various task in the workshop. In the event, Dr.



Mohan Gaikwad, Chairman, GPG welcome the Chief Guest by giving floral bouquet. Prof. Sandeep Gaikwad, Treasurer, GPGI, Dr. G. K. Awari, Principal, TGPCET, Prof. Vidyadhar Kshirsagar, HoD, Mechanical Engineering and Prof. Ashwadeep Fulzele, NSS Coordinator shared the dais.

- **Personality Development Workshop:** - The Mechanical Engineering Department and National Service Scheme (NSS) Unit of Tulsiramji Gaikwad-Patil College of Engineering & Technology jointly organized one day workshop on Personality Development, “Shivaji, The Great Engineer” on 7<sup>th</sup> February 2018. The event was organized by the students of Mechanical Engineering Department. In the event, Dr. G. K. Awari, Principal, TGPCET and Dr. A. A. Mankar, HoD, Mechanical Engineering, gave the opening remark. The Chief Guest for the event was Mr. Aditya Lohe, a renowned speaker on Shivaji Charitra. The intention behind the event was to motivate the students from the civilized work of Chhatrapati Shivaji Maharaj. He further added on the topic that Shivaji Maharaj was a great warrior but he was a good social engineer too. He learned the social, economical, warrior ship skills from his mother Jija Mata. He inspired the students by giving several examples on Shivaji Maharaj that how vigorously he established the Maratha Empire. In the event, Dr. Mohan Gaikwad, Chairman, GPG welcome the Chief Guest by giving floral bouquet. Prof. Sandeep Gaikwad, Treasurer, GPGI, Prof. Vidyadhar Kshirsagar, Prof. Ashwadeep Fulzele, NSS Coordinator shared the dais.



PERSONALITY DEVELOPMENT WORKSHOP

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	20031 sq.mt	Nil	College	20031 sq.mt
Class rooms	29	Nil	College	29
Laboratories	73	Nil	College	73
Seminar Halls	7	Nil	College	7
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	85	10	College	95
Value of the equipment purchased during the year (Rs. in Lakhs)	863.63	46.16	College	909.79
Others (Amphi theatre)	650 sq.mt	Nil	College	1

#### 4.2 Computerization of administration and library

Administration and Library are well equipped with modern computing facilities.

Computerization of administration:

- Use of Sack Info 2.5 software for admission processes, exam processes, finance, purchase and infrastructural requirements.
- Use of Sack Info 2.5 software for staff attendance and leave monitoring
- Online tests carried for Training and Placement activities

Computerization and access to library facilities are as follows:

- **Use of Library Software Sack Info 2.5-** Library uses Sack Info 2.5 software that supports all in-house operations of the Library. It consists of modules on acquisition, circulation, Main entry, Report and OPAC.
- **Digital Library-** Central Library has a provision of access to e-learning resources like e-journals, e-books, NPTEL video lectures are available in DELNET and college portals, and Question Papers for academic program. For this purpose a separate arrangement in Digital Library is made where students and staff can access, download, print the open access journals and question paper also they can listen to the video lectures with the help of audio-visual aids.
- **Online OPAC System-** To locate books available in the library.
- Scanning, Posting and online access of Question Papers and Project Reports on College website.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19079	6268717	645	211925	19724	6480642
Reference Books	1950	640704	104	34171	2054	674875
e-Books	11219	Free	504	Free	11723	Free
Journals	98	132115	4	15000	102	147115
e-Journals	---	---	---	---	---	---
Digital Database	DELNET	11500	DELNET NDL SWAYA M	13570	DELNET NDL SWAYA M	13570
CD & Video	500		50		550	
Others (specify)	---	---	---	---	---	---

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	650	24	30MBPS	24	2	2	10	Nil
Added	50	0	10MBPS	0	0	0	0	Nil
Total	700	24	40MBPS	24	2	2	10	Nil

\* 100 computers were scraped due to Technological obsolescence

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Campus is Wi-Fi enabled
- Internet access to Staff and Students in Departments.
- Online Aptitude/MCQ Test for students.
- In-house training is imparted to students, teaching and non-teaching staff for skill upgradation.
- Training for staff members on effective use of e-governance, digital marketing, and how to deal with social media usages
- Awareness program on e-waste management

4.6 Amount spent on maintenance in lakhs:

i) ICT	3.96
ii) Campus Infrastructure and facilities	9.76
iii) Equipments	13.98
iv) Others	24.23
<b>Total :</b>	<b>51.93</b>



## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Imparting information on various support services during induction programme organized for newly admitted students.
- Dissemination of information on college website as well as on Department website
- Technical trainings based on industry requirements are provided to the students to enhance the practical knowledge.
- Information given to students regarding central facilities like Central Library, Computer Center, Boys and Girls Hostel etc.
- Students are encourage to participate in various Seminars, workshops and conferences at national levels
- The undertaking of Anti ragging Affidavit is maintained for ragging free campus.
- Separate Grievance redressal cell for students and Staff members
- The Teacher Guardian (TG) concept is adopted for mentoring 15 to 20 students to each faculty
- Continuous monitoring and evaluation of academic performance of students
- Student's representatives in IQAC have enhanced the awareness about planning and execution quality assurance & quality enhancement activity of the college
- Training and Placement department provides CRT training to the students regarding the placements and prepare them to appear for interviews
- SMS,e-mail, whatsapp facilities are also used to inform students progress to parents.

#### 5.2 Efforts made by the institution for tracking the progression

- Internal examinations are conducted to evaluate Academic performance of students
- The Teacher Guardian (TG) concept is adopted for mentoring 15 to 20 students performance
- Regular pre and post session Academic Audit was Conducted
- Sports , Meditation and Yoga Session are Conducted for physical well-being of students
- Special Monitoring committee has been established to improve the attendance of Students
- Faculty review meetings for post Academic Audit
- Supervise the lagging syllabus and suggest remedial action plan
- Different Co-Curricular and extra-curricular activities are organized for overall development of students
- Interaction session with Alumni is organized to share experiences and importance of culture imparted in institute

5.3 (a) Total Number of students	UG	PG	Ph. D.	Others
	1412	301	Nil	Nil

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	1148	67		565	33

Last Year (2016-17)						This Year(2017-18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
404	783	110	566	Nil	1863	320	676	57	660	Nil	1713

Demand ratio 1:1 Dropout %:1.16%

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- GATE/GRE Study Circle (Conduct MOCK test, Technical Session & Crash Courses)
- Group Discussion and Mock Interviews were conducted
- Competitive Exam Training Centre is established
- Organized Expert Lecture on “how to crack the GATE & GRE“
- Conducted Interactive Session of selected candidates of different competitive examinations

No. of students beneficiaries

#### 5.5 No. of students qualified in these examinations

NET	<input type="text" value="Nil"/>	SET/SLET	<input type="text" value="Nil"/>	GATE	<input type="text" value="110"/>	CAT	<input type="text" value="Nil"/>
IAS/IPS etc	<input type="text" value="Nil"/>	State PSC	<input type="text" value="Nil"/>	UPSC	<input type="text" value="Nil"/>	Others	<input type="text" value="03"/>

#### 5.6 Details of student counselling and career guidance

- Career counseling sessions are organized for students at central level.
- Guest lecture’s for higher studies in India and abroad are conducted
- Interactive Sessions by Alumni in various fields are arranged.
- Motivational lectures on Entrepreneurship development.
- Mock test, technical test, Aptitude test, Group discussion & Personal interview session are conducted.
- Experts from civil services are invited to motivate the students for UPSC/MPSC examinations.
- Expert from the defense sectors are invited to motivate the students to serve for nations

No. of students benefitted

## 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
26	500	154	35

## 5.8 Details of gender sensitization programmes

Activities conducted under Women Grievances Redressal Cell:

- Women's Hygiene Awareness Program on 17<sup>th</sup> February 2018
- Women's Self protection & Security program on 16<sup>th</sup> September 2017
- International Women's day 8<sup>th</sup> March 2018

## 5.9 Students Activities

### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount (in Lakhs)
Financial support from institution	62	14.80
Financial support from government	1354	962.80
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: **No major grievances reported**

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

##### **Vision of Institute**

To make exemplary contribution to the progress and future of our country by enhancing the capabilities of our youths, by imparting world class education and training in science, technology and management; empowering them to seek and offer solutions to challenges faced by their brethren locally as well as globally.

##### **Mission of Institute**

- To impart world class education and training to our students by offering state-of-the-art undergraduate, postgraduate and doctoral programs.
- To develop dynamic engineers and managers comparable to the best in the world and capable of taking leadership role in future.
- To generate new knowledge by developing cutting-edge research and world class scholarship, to effectively contribute to the future of country and global community.
- To establish and nurture long term symbiotic relationship with industry and institutions of higher learning within and outside our country in generating solutions for current and future issues of concerns.
- To develop potential of all our stakeholders to its fullest extent and empower them to actualize it

#### 6.2 Does the Institution has a management Information System

Yes

“Sack Server” is the web based education governance ERP system

#### 6.3 Quality improvement strategies adopted by the institution for each of the following:

##### 6.3.1 Curriculum Development

- As an affiliation college, the institution follows Rashtrasant Tukadoji Maharaj Nagpur University curriculum. Though curriculum Enrichment Committee, we discuss with Internal and external expert from academia and expert from Industry and Alumni for Enriching the Curriculum
- By involving stakeholder in the curriculum design, the college ensures that the curriculum developed encompasses components for employability, research, social relevance and social needs

▪ **Compliance as per departmental Academic Calendar :**

The Academic Calendar of Department is derived from the university calendar and calendar of the Institute, which is specific to the Department. The Faculty members are planning their lesson plans. Lesson plan are made according to course objectives and course outcomes before the commencement of the semester in consultation with the Head of the Department. The handouts of the lesson plans is given to the students. The staff members ensure the coverage of syllabus which is monitored by Head of department.

▪ **Subject Allocation:**

Subject allotment is done as per the expertise of the faculty members to prepare lesson plans, course plan and subject notes after critical verification by Head of the Department.

▪ **Adherence according to Course files:**

The course file is prepared and adherence to the same by the concerned faculty member is the mandatory requirements for each subject. The course file consists of -

- Syllabus
- Teaching plan
- Time table
- Assignments
- University question papers
- The college test question bank
- Question Bank
- Model solutions
- Case studies
- Journal Papers
- Tutorials
- Advanced Topics

▪ **Pedagogical initiatives:**

The faculty uses the following methods for interactive learning:

- Audio Visual aids
- Case Studies
- Animated Video
- Guest Lectures

- Students Seminars
- Industrial Visits

The focus is on Student learning since they are encouraged to take part in interactive sessions to clear their doubts.

- **Project-based learning:**

The projects are based on Real Time application and some of them are industry sponsored.

- **Hi-Tech assisted learning:**

The College is equipped with Hi-Tech Computer laboratories having latest simulation Software, Printers, LCD, and projectors. These are effective aids for teaching learning process. The students are also contributing in design, development and Testing of Printed Circuit boards.

- **SMART and Virtual class Room :**

Faculty members are using ambient SMART and Virtual class Room for interactive and Collaborative session.

- **Demonstration based learning**

As per the RTMNU university guidelines 8-10 experiments are to be conducted whereas the department thrust is to conduct some of the real time domain experiments beyond syllabus. Hands-on training, industrial visit and internship are arranged to provide in depth knowledge of the subjects.

- **Collaborative Learning:**

A methodology in which students are engaged in common task, where they depend on each other's interactions, such as

- Face to Face Conversation
- Chat Room
- Collaborative writing
- Group Projects
- Debates

This technique of learning creates bonding between the students and generates Team spirit for an accomplishment of an assigned task.

▪ **Continuous evaluation in laboratory:**

The following steps are enumerated for conduction and continuous assessment for practical:

- University guidelines are followed for preparation of 8 to 10 experiments.
- Additional experiments are added beyond syllabus to give exposure of the recent development in the electronics domains.
- Faculty members are preparing lab manual.
- Conduction of experiments.
- Grades are awarded after viva voce based on each conducted experiments during continuous evaluation by the faculty members.

▪ **Internal Semester Exam:**

The following internal examinations are conducted in each semester:

- Unit Test
- Mid Term
- End Term

Final marks are based on assessment.



### 6.3.3 Examination and Evaluation

Yes, Continuous assessment and evaluation is carried out.

In a semester the quality of internal question paper setting and assignment evaluation are conducted as follows:

- **Initiatives, Implementation and Analysis of Learning levels:**
  - Question papers are set as per the university curriculum by faculty of Department, which are moderated by HoD to ensure attainment and learning levels perspective from the usage of Taxonomy of Blooms
  - Question paper of Unit Test, Mid Term and End Term examinations are mapped with Course Outcomes
  - Marking scheme for questions is decided.
  - Unit Test, Mid Term and End Term examinations are conducted
  - Evaluation of answer books is done.
  - Answer books are shown to the students and grievance, if any, is redressed.
  - Result Analysis is done.
  - Compiled marks are displayed for the students and communicated to parents.
  - Remedial classes are conducted for weak students.
  - Improvement test is conducted

**The evaluation process, implementation and learning outcomes of internal examination are given in Table**

Table: Process of evaluation of internal examination

Sr. No	Title	Total Marks	No. of Questions	Frequency of conduction	Evaluation
1	Unit TEST	13	2 ( Solve 1 OR 2)	Once in a semester	Concerned course teacher and shown to the students
2	Open Book Test/Teacher Assessment	20	3 ( Solve any two)	Once in a semester	
3	MID Term Test	26	4 (Solve 1 OR 2, 3 OR 4 )	Once in a semester	
4	End Term Test	80	12 (Solve 1 OR 2, 3 OR 4,5 OR 6, 7 OR 8, 9 OR 10, 11 OR 12 )	Once in a semester	

The usage of Blooms Taxonomy for improving the quality of question papers are shown below in Table

Table: Summary of usage of Blooms Taxonomy

<b>Initiative</b>	<b>Implementation</b>	<b>Analysis of learning Levels</b>	<b>Quality of Question paper, Assignment and Evaluation</b>
Uses of Blooms Taxonomy	Quality of Question paper, Assignment and Evaluation is implemented in each Semester	Knowledge	Attempted to achieve substantial gain
		Comprehension	
		Application	
		Analysis	
		Synthesis	
		Evaluation	

▪ **Assignments and Quiz**

- Students are required to submit assignments as per academic calendar.
- Multiple Choice Test/Quiz are based on recent trends in Electronics and Communication Engineering.
- The assignments qualitatively attain the course outcomes

Table: Process of Evaluation of Assignment and Quiz

<b>Sr. No.</b>	<b>Title</b>	<b>Total Marks</b>	<b>No. of Questions</b>	<b>Frequency of conduction</b>	<b>Evaluation</b>
1	Assignments	05	5 ( includes sub questions)	Twice in a semester	By concerned course teacher and shown to students
2	Surprise Multiple Choice Question Test /Quiz	100	50	Twice in a semester	

#### 6.3.4 Research and Development

YES: Mohan Gaikwad Invention and Research Centre (MGIRC)

In order to motivate the faculty members following incentives are provided

- Incentives for Publications in Journal
- Incentives for attending Conference / Workshop / STTP / FDP / MDP / Seminars / Training in India.
- Incentives for presenting paper in Conference
- Incentives for Patents filing, publication and examination.
- Incentives for pursuing Part Time PhD
- Incentives to Students for Publications in Journals
- All the departments of institute has well equipped laboratory with adequate infra structure facility to carry out research projects
- The various research oriented books, journals and e-journals for research are available in Central library

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

YES,

The institution has following specified facilities to improve self learning:

- The institute has exclusively developed and installed GPGI self service portal (IP address <http://172.16.200.201>) for the utilization of e-learning resources for the benefit of students and staff.
- Wi-Fi enabled campus
- Podcast(NPTEL)
- Internet access to all the computers for the benefit of students.
- Projects, Internship Modelling Webinar, Video conferring
- Smart Classroom are available
- Central Library
- Digital Library
- Scanning and Xerox facility
- Separate Seminar hall for each department

- The Amphi-theatre was constructed to cater the needs of conducting cultural and extra-curricular events.
- The sports complex was built along with the sport facilities including an instructor of physical education to oversee sports facilities.
- Yoga and indoor facility was constructed to safeguard health.
- Waste management initiatives are the hallmark of the institute.
- Roof-top Rain water harvesting system was installed.
- Solar system was installed for encouraging fossil fuel energy.
- Tree plantation was initiated to help pollution control and green revolution.
- Doctor is visiting as per schedule to monitor the health of inhabitants.
- Clean drinking water with RO facility to provide portable water.
- Ramps and toilet are constructed to help physically challenged persons at ground floor.
- A hygienic food is provided in the cafeteria.
- Transportation facility has Pollution under Control devise.
- Soak pits are constructed to raise the water table.

#### 6.3.6 Human Resource Management

YES

- Welfare Schemes for students, teaching and non-teaching staff.
- Recruitment of teaching and non teaching staff as per norms
- Orientation programmes for newly joined teaching and non-teaching staff.
- Encouragement to faculty for attending FDP, STTP, Industry training, Ph.D. etc.
- Leaves applicable as per rules.
- Incentives for Publication to faculty
- Family get-together/picnics of teaching & non-teaching staff
- Lien are provided to the faculty members for institute of higher repute & government organizations

### 6.3.7 Faculty and Staff recruitment

- The process follows as per norms and guidelines of AICTE/DTE Mumbai and RTM Nagpur university.
- Based on the vacancy position approved by the University, advertisement in leading daily newspapers is published
- The interviews are conducted as per the committee constituted by the Hon'ble Vice chancellor of RTM Nagpur University

### 6.3.8. Industry Interaction /Collaboration

- Expert lectures by Industry persons and workshops / awareness programmes are conducted at the college to acquaint the students appropriately about pursuing their career options.
- Industry Institute partnership cell in association with training & placement department organized Job fair for students
- The alumni of the college are the potential source of recruitment for the current batch students.
- Industry Institute partnership cell in association with training & placement department organized HR Conclave for boosting the confidence and morale of the students
- An annual alumni meet is held at different places by considering the convenience of alumni & other stakeholders.
- Industrial visits and industrial tours are arranged
- Internship Training is arranged.
- Pool Campus drives are arranged

### 6.3.9 Admission of Students

Admissions process are carried out on the basis of merit and in a transparent manner by way of centralize admission process (CAP) conducted by admission cell of Maharashtra and as per the guidelines of Directorate of Technical Education (DTE), Mumbai.

6.4 Welfare schemes for

Teaching	EPF, Accidental Insurance, Travelling Allowances, Maternity leave, Felicitation of wards, Free Education in the institute to the wards of employees
Non teaching	
Students	Accidental Insurance

6.5 Total corpus fund generated

30.86  
(Lakhs)

6.6 Whether annual financial audit has been done

Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	PRIVATE	YES	IQAC
Administrative	YES	PRIVATE	YES	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes

Yes

No

For PG Programmes

Yes

No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Examination scheme is changed for improving the quality
- Photocopies of Answer sheet are provided to the students based on request
- Revaluation of Answer sheet.
- Publication of semester result through online
- Online valuation process

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

- In the Curriculum, the selection of Elective Subjects by the students is permitted.
- The university has introduced open electives concepts for PG students

#### 6.11 Activities and support from the Alumni Association

- An annual alumni meet is held at different places by considering the convenience of alumni & other stakeholders
- This alumni meet helps students to know about improvement of institute.
- Alumni of institute are motivated to plan and design association services for the students of institute.
- Alumni are invited to deliver their experiences and significant contribution made by the institution in their progress

#### 6.12 Activities and support from the Parent – Teacher Association

- Twice in every semester Parents meet is held at all the departments for interaction of parents with HOD and other stakeholders.
- Student's performance is discussed during the meet.
- Various schemes and facilities available in the college and department for enhancing the academic growth of the student are discussed.
- Information regarding training and placement is provided.
- In every parent meet, peer feedback from the parents are taken and analyzed for further improvement

#### 6.13 Development programmes for support staff

- Orientation programs are conducted for newly joined supporting staff
- Training programs for supporting staffs are conducted regularly
- Industrial visit are organized to understand latest trend in industry

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

Following activities are conducted regularly to make the campus eco-friendly

- Tree Plantation
- Green Audit
- Soak-pits
- Rain water harvesting
- E-waste management system
- RRR-Reduce, Recycle and Reuse the natural resources
- Utilization of Solar Energy

## Criterion – VII

### **7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- Project based learning
- Industry Sponsored projects
- Reorganization and felicitation of faculty members for outstanding contribution
- Reorganization and felicitation of students for outstanding Academic performs
- Industrial experts are appointed as co-guide in sponsored projects
- Implementation of Interdisciplinary projects

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Pre and Post Academic Audit conducted
- Environmental Audit conducted
- Submitted proposals to various funding agencies and received grants from various government funding agencies
- Encouragement given to carry out industry based projects.
- Provisions made to implement internship for UG-PG students
- Conferences/Seminars/Workshops etc. conducted



7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

i) Academic Audit:

Academic Audit is the backbone of the department and is conducted regularly to improve the system.

Every faculty member maintains course files for the theory as well as Laboratory subjects.

ii) Best Outgoing Students Award:

**Goal of this practice:**

- Every Academic year, the Institute felicitates the Best Student amongst the Final Year students of all UG Programs.

**The Context:**

- The Final Year students submit the information regarding their achievements during the four academic years spanning from First Year to Final Year.
- The Academic Excellence achieved by the candidates during each Semester University Examinations is a major criterion.
- The Performance of all the candidates is also judged for Organizing Skills, participation in Co-curricular / Extra Curricular Activities, Sports, Paper presentation at National and International Conferences, and National and International Journals.
- Placement of the candidate is also a criterion for selection

*\*Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

- Tree Plantation Programme at institute.
- Sankalp Day, students taken oath for Social awareness.
- Active participation in gram Swachhata Abhiyan

7.5 Whether environmental audit was conducted? Yes  No

**SWOC analysis and Future plans –**

**Strengths:**

- The Hon'ble management members are from Academic background and actively involved in college development process
- Adoption of innovative teaching-learning methodologies
- Well-equipped laboratories and computing facility
- Strong mentoring scheme
- Industrial exposure
- Personality Development, Leadership and Soft Skill training
- Technical sites visits and educational tours

**Weaknesses:**

- Knowledge Centre is to be developed.
- Less number of Patents.

**Opportunities:**

- The institute is situated near the Asia's biggest five-star industrial area
- Development of Interdisciplinary research/Projects
- Student's involvement in research activities in association with faculties are to be initiated.
- To cope-up with rapid growth of emerging trends
- To procure funds from potential funding agencies like DST, UGC, AICTE, VTU etc.
- Nagpur is emerging as central India's educational and industrial hub.

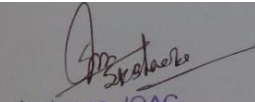
**Challenges:**

- To imbibe Entrepreneurial spirit in the student
- To improve Student's employability ratio.
- To inculcate values of research and development in the students
- To emphasis the placement of students in core industries

## 8. Plans of institution for next year

- To raise the number of proposal to various funding Agencies.
- Increase in number of International / National Conferences / STTP / Workshops / Seminars etc.
- To raise the number of publications in referred journals
- Encourage faculty members and students to register for online NPTEL courses
- Motivating faculty members to pursue PhD
- Submitting Research Proposals to various funding Agencies.
- Increase Industry Institute Interaction Activities.
- Improve the Internship for students.
- Motivate the student to participate at National/International level sport events
- Motivate the students to participate at National/International level cultural activities
- Motivate the students for collaborative industrial projects


Name : Prof. Sanjay Bhadke



Incharge, IQAC  
Tulsiramji Gaikwad Patil  
College of Engg & Tech Nagpur

*Signature of the Coordinator, IQAC*

Name : Prof. Sandeep Gaikwad



Principal  
TULSIRAMJI GAIKWAD-PATIL  
COLLEGE OF ENGINEERING &  
TECHNOLOGY, NAGPUR

*Signature of the Chairperson, IQAC*

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# ANNEXURE – I

**TGPCET,NAGPUR  
Principal's Office**

**ACADEMIC CALENDAR 2017-18  
ODD SEM**

**June 2017**

Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3
5	6	7	8	9	10
12	13	14	15	16	17
19	20	21	22	23	24
26 Eid	27	28	29	30	

- 5 Monday - 14 Wednesday Admission of students in higher classes
- 15 Thursday - 17 Saturday Counseling to 3rd,5th,7th sem students
- 19 Monday Start of forum selection process
- 19 Monday Hands on workshop for UG students by respective Departments
- 19 Monday-28 Wednesday Bridge Courses of correlated cluster subjects
- 29 Thursday Teaching commences as per regular syllabus & Display of assignment No-II (Unit I,II,III)
- 29 Thursday Declaration of Forum result

**July 2017**

Mon	Tue	Wed	Thu	Fri	Sat
					1
3	4	5	6	7	8
10	11	12	13	14	15
17 UT 1	18 UT 2	19 UT 3	20 UT 4	21 UT 5	22
24	25	26	27	28	29
31					

- 3 Monday - 8 Saturday Forum installation of all branches
- 1st Industrial Visit I/Sem
- 10 Monday -15 Saturday 1st Project progress seminar of 3rd/5th/7th Sem
- 11 Tuesday -15 Saturday Submission of assignment No. 1
- 17 Monday-21 Friday Unit test
- 22 Saturday 1st Parent Teacher meet
- 31 Monday Display of cumulative attendance upto 31st July'17

**August 2017**

Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5
7	8	9	10	11	12
14 MT 1	15 Independence Day	16 MT 2	17 Parsi New Year	18 MT 3	19 MT 4
21 MT 5	22	23	24	25 Gandhi Jayanti	26
28	29	30	31		

- 1 Monday- 5 Saturday 2nd Industrial Visit I/Sem
- 12 Saturday Display of attendance upto 12th August & list of eligible students for Mid Term examination
- 14 Monday Mid term Examination commencement
- 19 Saturday Display of Assignment-II (Unit IV,V,VI)
- 21 Monday-26 Saturday 2nd Project progress Seminar of 3rd/5th/7th sem
- 23 Wednesday Display of mid Term Examination results
- 26 Saturday 2nd parent teacher meet and felicitation of Mid Term Examination toppers
- 28 Monday-31 Thursday Workshop for students

**September 2017**

Mon	Tue	Wed	Thu	Fri	Sat
				1	2 Eidul
4	5	6	7	8	9
11	12	13	14	15	16
18	19	20	21 ET 1	22	23 ET 2
25 ET 3	26	27 ET 4	28	29 ET 5	30 Diwali

- 1 Friday Display of provisional detention list
- 4 Monday Submission of assignment no II (Unit IV,V,VI)
- 13 Tuesday Last teaching day as per regular syllabus
- 14 Thursday Commencement of specific teaching
- 15 Friday Final project progress seminar and submission of draft report of 3rd/5th/7th sem
- 16 Saturday-18 Monday Internal Practical Submission
- 21 Thursday -20 Friday 5 papers of End term Examination

**October 2017**

Mon	Tue	Wed	Thu	Fri	Sat
2 Gandhi Jayanti	3	4	5	6	7
9	10	11	12	13	14
16	17	18	19	20	21
23	24	25	26	27	28
30	31				

- 3 Tuesday- 13 Friday Examination Counseling/Crash course
- 7 Saturday Declaration of End term exam results
- 14 Saturday- 24 Tuesday Diwali vacation
- 24 Tuesday Tentative University Examination

Number of working days: 115  
Number of instruction days: 103

  
**Dr.G.K.Awari  
Principal,TGPCET**

NOVEMBER - 2017						
Mon	Tue	Wed	Thu	Fri	Sat	
		1	2	3	4	
6	7	8	9	10	11	
13	14	15	16	17	18	
20	21	22	23	24	25	
27	28	29	30			

DECEMBER - 2017						
Mon	Tue	Wed	Thu	Fri	Sat	
				1	2	
4	5	6	7	8	9	
11	12	13	14	15	16	
18	19	20	21	22	23	
25	26	27	28	29	30	

JANUARY - 2018						
Mon	Tue	Wed	Thu	Fri	Sat	
1	2	3	4	5	6	
8	9	10	11	12	13	
15	16	17	18	19	20	
22	23	24	25	26	27	
29	30	31				

FEBRUARY - 2018						
Mon	Tue	Wed	Thu	Fri	Sat	
			1	2	3	
5	6	7	8	9	10	
12	13	14	15	16	17	
19	20	21	22	23	24	
26	27	28				

MARCH - 2018						
Mon	Tue	Wed	Thu	Fri	Sat	
			1	2	3	
5	6	7	8	9	10	
12	13	14	15	16	17	
19	20	21	22	23	24	
26	27	28	29	30	31	

APRIL - 2018						
Mon	Tue	Wed	Thu	Fri	Sat	
2	3	4	5	6	7	
9	10	11	12	13	14	
16	17	18	19	20	21	
23	24	25	26	27	28	
30						

Number of working days : 100  
 Total No. of Instruction Days : 100  
 Note: Subjected to change as per University Guidelines.

26<sup>th</sup> Nov - 2<sup>nd</sup> Dec: Admission to 4<sup>th</sup>, 6<sup>th</sup>, 8<sup>th</sup> Semester

4<sup>th</sup>: Teaching commences as per regular syllabus & Display of assignment No-I (Unit I)

11<sup>th</sup>-16<sup>th</sup>: First Industry Expert Lectures (At least 4 Lectures)

18<sup>th</sup>-23<sup>rd</sup>: 1<sup>st</sup> Industrial Visit/ 8<sup>th</sup> sem project seminar / 4<sup>th</sup> sem Mini Project Seminar / 6<sup>th</sup> sem project seminar, Sports Week

19<sup>th</sup>-20<sup>th</sup>: Submission of Assignment No. 1

22<sup>nd</sup>-23<sup>rd</sup>: Returning evaluated Assignment No. 1 to students

23<sup>rd</sup>: Display of Cumulative attendance upto 23<sup>rd</sup> Dec

25<sup>th</sup> Dec. 2017 - 1<sup>st</sup> Jan, 2018: Christmas Holidays

2<sup>nd</sup>-6<sup>th</sup>: Second Industry Expert Lectures (At least 4 Lectures)

8<sup>th</sup>-12<sup>th</sup>: Unit Test I (In First Lecture) Centralised Level

15<sup>th</sup>: Display of Unit Test I Examination Result

15<sup>th</sup>-20<sup>th</sup>: Entrepreneurship Development Cell Workshop (One or Two Days)

18<sup>th</sup>: Display of assignment No-II (Unit II)

20<sup>th</sup>: 1<sup>st</sup> Parent-Teacher Meet

22<sup>nd</sup>-27<sup>th</sup>: 2<sup>nd</sup> Industrial Visit/ 8<sup>th</sup> sem Project seminar / 4<sup>th</sup> sem Mini Project Seminar / 6<sup>th</sup> sem project seminar

25<sup>th</sup>, 27<sup>th</sup>: Submission of Assignment No. II

30<sup>th</sup>, 31<sup>st</sup>: Returning evaluated Assignment No. II to students

31<sup>st</sup>: Display of Cumulative attendance upto 31<sup>st</sup> January

1<sup>st</sup>-6<sup>th</sup>: Mid Term Examination Commencement (Unit I & II) Centralised Level  
 (Time: 11:00 am -12:00 pm, Max Mark: 26)

7<sup>th</sup>-10<sup>th</sup>: First Alumni's Lecture (At Least Two Lectures)

9<sup>th</sup>: Display of Mid Term Examination Result

10<sup>th</sup>: Felicitation of Mid Term Toppers & Second Parent-Teacher Meet

12<sup>th</sup>-17<sup>th</sup>: Personality Development Workshop (One or Two Days)

14<sup>th</sup>-15<sup>th</sup>: 8<sup>th</sup> Sem Project Seminar / 4<sup>th</sup> Sem Final Mini Project Seminar / 6<sup>th</sup> Sem Project Seminar

15<sup>th</sup>: Display of Assignment No. III (Unit III)

20<sup>th</sup>-24<sup>th</sup>: Third Industry Expert Lecture (Atleast Four Lectures)

26<sup>th</sup>-28<sup>th</sup>: Third Industrial Visit/ 8<sup>th</sup> Sem Draft Project Report Submission/ 4<sup>th</sup> Sem Draft Project Report Submission / 6<sup>th</sup> Sem Industrial Case Study/Project Submission

27<sup>th</sup>-28<sup>th</sup>: Submission of Assignment no. III

28<sup>th</sup>: Display of Cumulative attendance upto 28<sup>th</sup> February

1<sup>st</sup>, 3<sup>rd</sup>: Returning evaluated Assignment No. III to students

5<sup>th</sup>-7<sup>th</sup>: 8<sup>th</sup> Sem Project Seminar Sem

5<sup>th</sup>-10<sup>th</sup>: Fourth Industry Expert Lecture (Atleast Four Lectures)

12<sup>th</sup>-14<sup>th</sup>: Second Alumni's Lecture (Atleast Two Lectures)

22<sup>nd</sup>-24<sup>th</sup>: Final Project Thesis Submission (Along with Project Submission), Regular classes for IV and VI semester.

27<sup>th</sup>: 4th Sem Final Mini Project Report Submission / 6th Sem Final Industrial Case study Report Submission (Along with Project Submission)

28<sup>th</sup> to 31<sup>st</sup>: Internal viva-voce Examination

31<sup>st</sup>: Display of Cumulative attendance upto 30<sup>th</sup> March

2<sup>nd</sup>-4<sup>th</sup>: Internal practical Examination

5<sup>th</sup>-10<sup>th</sup>: Commencement of End Term Examination

11<sup>th</sup>: Display of end term examination result

12<sup>th</sup>: Submission of Internal Marks

• University theory examination Summer 2018 commences from 28<sup>th</sup> April 2018

  
 Dr. G. K. Jadhav  
 Principal, TGPCET

## ANNEXURE – II

Indirect Assessment Tool	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Student Feedback	1.74	1.76	1.85	1.66	1.76	1.82	2	1.75	1.65	1.47	_	1.56
Exit survey	2.28	2.28	2.04	2	1.92	2.09	2	1.95	2.28	2.21	2.28	2.28
Alumni Survey	2.6	2.6	2.6	2.6	2.7	2.86	2.8	2.86	2.9	2.85	2.6	2.6
Employer survey	2.6	2.6	2.6	2.6	2.7	2.86	2.8	2.86	2.9	2.85	2.6	2.6
Parents Survey	2.1	2.1	2.1	_	2	1.7	_	2.2	2.1	_	2.1	1.6
Indirect Assessment Evaluation	2.28	2.28	2.04	2	1.92	2.09	2	1.95	2.28	2.21	2.28	2.28

## Feedback Analysis

