

Khandesh College Education Society's  
**College of Engineering and Information Technology, Jalgaon**  
 Annual Self-Appraisal of Teaching Staff for the academic year 2019-2020

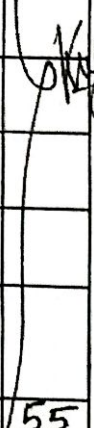
**Part A: GENERAL INFORMATION**

1. Name (in Block Letters) : BHANGALE PRAVIN GOPAL
2. Department: Electrical Engineering Department.
3. Current Designation: Asst.Prof.
4. Email ID: pravinbhangale55@gmail.com
5. Specify expertise or Technical knowledge of the faculty member-Power Electronics
6. Whether acquired any degrees or fresh academic qualifications during the year:- No
7. Academic Orientation/ Refresher Course/ Training programs attended during the year: -No
8. Give details of any Major award or Recognition by Professional Body received during the year

**PART B: KEY ACADEMIC PERFORMANCE INDICATORS**

**I. TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES**

(a) Lectures, Seminars, Tutorials, Practical, Contact Hours (give semester- wise details)


Name of the Course/ Paper	Level (UG/ PG)	Mode of teaching*	No. of classes per week allotted (hr)	Total No. of Classes conducted	% of classes/ Practical taken as per documented record (20 marks)	University result (%) (20 marks)	Students' Feedback Score/Index (20 marks)	Verified by HOD from documents
Network Analysis and Synthesis	UG	Chalk&Board PPT	03	35	95%	55.73%	4.11	
Network Analysis and Synthesis	UG	Demo	08	98	100%	100%	NA	
Advance Power Electronics	PG	Chalk&Board PPT	03	35	100%	66.66%	3.95	
Advance Power Electronics	PG	Chalk&Board PPT	01(T)	10	100%	100%	NA	
Analog Digital Electronics	UG	Chalk&Board	03	35	95%	100%	NA	
Analog Digital Electronics	UG	Chalk&Board	08	94	100%	100%	NA	
Project-II	UG	Group Discussion On Google Meet	02*2	48	100%	100%	NA	
Energy Management And Auditing	PG	PPT	03	35	95%	75.75%	NA	
<b>Normalized API Score by HOD: (Max 60)</b>					<b>20</b>	<b>18</b>	<b>17</b>	

\* Lecture (L), Seminar (S), Tutorial (T), Practical (P), Contact Hours (C)


- (a) Classes Taken (Max 30 for 100% performance & proportionate score up to 80% performance, below which no score may be given)
- (b) Teaching Load in excess of the norm(max. score: 10)
- (c) HOD to check the data against Students' Feedback for each course



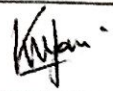
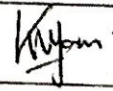


(ii) Contribution to Learning Methodologies, Updating of Subject content, Course improvement etc.

S. No.	Course/ Paper	Details of activity done as per 360° feedback norms	Score	verified by HOD
1	Network Analysis and Synthesis	Prepare Study Notes and Update lab Manual	02.5	
2	Advance Power Electronics	Prepare PPT	02.5	
3	Analog Digital Electronics	Prepare Study Notes and Update lab Manual	02.5	
4	Energy Management And Auditing	Prepare PPT	2.5	
API Score based on providing additional resources to Students (max. score:20)				10

(iv) Examination Duties Assigned and Performed in the Institute/ Department

S.No.	Examination	Description of Duty assigned for each examination (as per 360° feedback norms)	Extent(%) to which carried out	Score	API score	Verified by HOD
1	DBATU EXAM	Appointed as a Paper Setter for Energy Management and Auditing (PG)	100%	05		
2	DBATU EXAM	Appointment - MTEE102 / Advanced Power Electronics	100%	05		
3	DBATU EXAM	Practical-Oral Internal External Examiner	100%	05		
4	Winter 2019 Exam	Junior Supervisor for Theory Paper of Dbatu Exam	100%	05		
API Score based on participation in Examination and Assessment(max. score:20)					100%	20
Normalized API score for I(Max:100)					Normalized API Score:	
						85

II. CO-CURRICULAR, EXTENSION, PROFESSIONAL DEVELOPMENT RELATED ACTIVITIES

Sl No.	Type of the Activity and Responsibilities(as per 360° feedback norms)	Score	Outcome of the activity	API Verified by HoD
<b>(i) Extensional, Co-curricular &amp; Field based activities (Max Score: 25)</b>				
1	“Workshop on Hands On Matlab”, Syllabus Design and Speaker	15	Workshop Conducted	
<b>(ii) Contribution to Corporate Structure and Management of the Institution (Max Score 15)</b>				
1	Event Management Cell- Coordinator	5	Organized different event	
2	Admission Cell- Coordinator	7	Admission Counselling	
<b>(iii) Professional Development Activities (Max score 20)</b>				
1	“Research Opportunities in Electrical Engineering and its Applications”	7	Improve knowledge of students	
2	One week workshop on renewable energy: application & entrepreneurship	7	Suggest students how	



			to survive form crisis.	
	Normalized API score for II (max: 60)			41

### III. PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

(i) Published Research Papers in Journals in the year (not required for Diploma Teachers)

S. No	Title with page nos.	Journal	ISSN/ISBN No	Whether Peer Reviewed.(IF, if any)	No. of Co-authors	Whether you are the main author	API Score by HOD
1	Single- Phase Single - Stage Transformer Less Grid Connected PV System P No-645-650	IJAREEE	e-ISSN: 2278 - 8875, p-ISSN: 2320 - 3765		1	No	30
2	Smart Grid Management in Photovoltaic system using Wireless Sensor Network With IoT p.no.869-874	IJRECE	(online)-2348-2281 (print)-2393-9028 Year-2019		1	yes	
API score(Max: 30)							30

(15 per refereed international Journal, 10 per for others)

(iii) Full Papers published in Conference Proceedings of Professional Bodies only in the year

(iv) Books Published as an author or as an editor

(v) Papers presented in Conferences, Seminars, Symposia (not to be duplicated from (iii) above)

(vi) Invited Lectures and Chairmanships at National or International Conferences/ Seminar, etc

### IV: RESEARCH AND INNOVATION

(i) Ongoing Sponsored Research Projects (not required for Diploma Teachers)

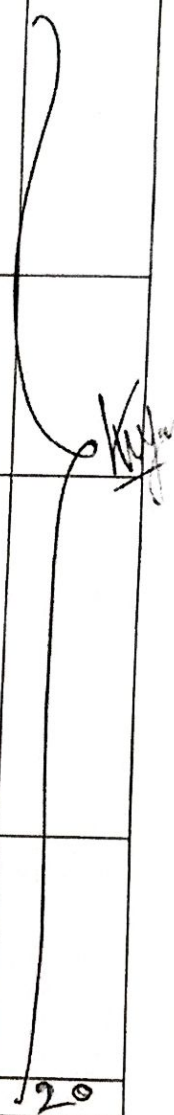
(ii) Ongoing Professional Consultancies

(iii) Completed Sponsored Project or consultancy during the year

Sr. No.	Title of project	Sponsoring agency	Outcome of the completed projects (HR development, publication, patents)	Whether Tech Transfer has taken place	API score by HOD
1	AutoCAD Design.	VISHWAS, ENGINEERING & SERVICES Plot No. 86/A/1, "SHREE", Ram Mandal Colony, Tapi Nagar, Bhusawal, Jalgaon-425201	Expert in AutoCAD	No.	10
API score(max: 10)					10



(iv) Research Guidance (not required for Diploma Teachers)

Sl. No.	M. Tech./ Ph. D	Name of M.Tech or PhD candidate and Topic	Sole or joint guidance	Work done in-house/ outside	Thesis Submitted	Degree awarded	API Score by HoD
1	M. Tech.	Gaurav Arunrao Sonawane, "SINGLE PHASE SINGLE STAGE TRANSFORMERLESS GRID CONNECTED PV SYSTEM USING MPPT CONTROLLER".	Sole	Work done in-house	Yes	Yes	
2	M. Tech.	NEMADE APURVA ANIL, "CONTROL OF WIND SOLAR MICROGRID FOR REMOTE AREA "	Sole	Work done in-house	No	No	
3	M. Tech.	PATIL JAGDISH RAJENDRA, "DESIGN OF PROTOTYPE SENSOR-LESS BLDC MOTOR IN COMPARISON WITH PMDC MOTOR FOR SOLAR WATER PUMPING SYSTEM".	Sole	Work done in-house	Yes	Yes	
4	M. Tech.	YEOLE ROHINI PURUSHOTTAM, "ANALYSIS OF SOLAR PHOTOVOLTAIC SYSTEM WITH P&O MPPT TECHNIQUES",	Sole	Work done in-house	Yes	Yes	
API score(Max: 30)							20

(v) Faculty Development Programmes organized (not less than one week duration)

Sr.No	Title of the Programme	Organized At college/ other place	Start date	End date	Supported by, if any, agency	Net IRG generated (in lakhs)	API Score by HOD
1.	"Advances in Power Converters, Control of Renewable Energy Sources"	Organized At college	22.11.2019	05.12.2019			
API Score(Max: 20)							20
Normalized API score for IV(Max 110)							

\*20 points for two weeks duration; 10 points for one week duration (normalized by number of faculty as convenors)



**SUMMARY OF API SCORES**


	Criteria	Max API Score	API Score	Remark by HoD
I	Teaching, Learning and Evaluation related activities	100	85	Excellent
II	Co-curricular Extension, Professional development etc	60	41	Good.
III	Publications and Academic Contributions	130	30	Need to improve
IV	Research and Innovation	110	50	Need to improve
	Total API Score	400	206	
	% API Score of Maximum	100	51.5%	

**Performance Appraisal Grid on the basis of API score**

- Above 85%: Excellent
- Above 75% but below 85%: Very good
- Above 60% but below 75%: Good
- ✓ Above 50% but below 60: Fair
- Below 50%: Needs counselling and improvements

**What action Plan do you have, including self-training, to improve your score over the next one year and Five years?**

Need to improve research & publications.

  
**Name and sign of faculty**  
 P. G. Bhargale

**Faculty Feedback to management**

Faculty name	Professional Expertise	Weak Areas	Training required by the faculty from self-awareness	Deliverable, if provided the required training in College's Perspective Plan targets
P. G. Bhargale	Good.	Research & publication.	Research Methodology.	

  
**Principal**



**PRINCIPAL**  
 K.C. SOCIETY'S  
 COLLEGE OF ENGG. & INFO  
 TECHNOLOGY, JALGAON

