



METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF MECHANICAL ENGINEERING
ACADEMIC YEAR 2022-2023(01-06-2022 to 31-08-2023)

Name of the College :	Methodist College of Engineering and Technology
Department :	MECHANICAL ENGINEERING

1. Personal Details:	
1.a	Name of the faculty Mr. G. Bhaskar
1.b	Age 41 YEARS
1.c	Gender MALE
1.d	Position / Designation ASSISTANT. PROFESSOR
1.e	Address for correspondence (with Pin code) Plot no: 69, Road no: 2, DSR Raj Enclave, Cherlapally Road, Rampally, Keesara, Medchel 501 301. Mobile No: 9640532663 E-Mail : gdpbhaskar@methodist.edu.in , gdpbhaskar.aero.iitb@gmail.com

1.1. Qualification				
1.1.a	UG: BE / B.Sc /B.Tech	Name of the Institution and University	year of passing	Division/Percentage
		PREC, Bhadrachalam	2004	First class/68.05%
1.1.b	PG: M.Tech/ M.S / M.Sc /MCA	Name of the Institution and University	year of passing	Division/Percentage
		JNTUH, Hyderabad	2008	FIRST CLASS/70.16%
1.1.c	Ph.D(month & year of award /Institution)	Name of the Institution and University	month & year of award	
		K.L. University	Perusing	

1.2. Teaching/Professional Experience				
1.2.a	In MCET	Date of Joining	Experience in No of years	
		18 / 07/ 2022	1	
1.2.b	In Other Institutions	Name of the Institution	Date of Joining	Experience in No of years
		Sphoorthy Engineering College	01/02/2018	2
		Ace Engineering College	18/06/2012	5
		Kommuri Pratap Reddy institute of Technology	05/12/2010	1.5
1.2.c	Total teaching Experience in years	12 Years		
1.2.d	Other Professional Experience	---		

1.3. Subjects taught and Results Analysis for the academic year 2022-2023

1.3.a	Do you maintain a teaching diary in the attendance register	YES		
1.3.b	Theory Subjects Taught	Subjects taught		
		I SEM	For Sec -A & B, subject-Operations Research, Lab- For Mech, Civil & EEE: EWP lab	
1.3.c	University Pass Percentage subject wise/section wise (During II Sem of 2020-21)	Percentage of passes		
		I SEM	In Sec-A-74% & Sec-B-65% E.W.P: 100%	
		II SEM	In Sec-A-% & Sec-B-% CAE Lab: %	
1.3.d	Results analysis and reasons for failures and remedial measures taken if any	--		
1.3.e	Workload for the current semester and the last semester (2022-23)		Number of theory subjects	Number of Labs
		First Semester	02	01
		Second Semester	02	01
		Odd-Sem (2023-24)		

3. a. Incentives / Award / Reward / Recognitions

- NIL-

b. Member of external bodies

-NIL-

c. ISTE-Professional member ship

➤ Life member

d. CSI/IETE/IE/IEEE - NIL-

e. Promotion - NIL-

f. FDP organized - NIL-

g. Faculty Development programs attended -NIL-

S. No.	Course	Place	Period
1.			
2.			

h. List of NPTEL courses certificate done

- NIL-

i. Conferences / Seminars /Workshop organized - NIL-

S. NO	Name of the Faculty	Paper title with Author /s names, journal name, date of publication, ISSN no., Volume and page nos.	Academic Year
1.		Nil	

j. Conferences / Seminars /Workshop attended

S. NO	Name of the Faculty	Paper title with Author /s names, journal name, date of publication, ISSN no., Volume and page nos.	Academic Year
1	G. Bhaskar	Numerical analysis and comparison of various cross sections of heat pipes in heat exchanger(ICICME-23)	2023
2		Capacity building	9&10/03/2023
3		Art of writing successful research proposal and to identify funding agencies	17/02/2023

k. invited lectures -NIL-

l. Responsibility in Committees / cells

➤ M.E (CAD/CAM) coordinator

m. Industrial visits / Trainings / Internships organized

1. Industrial (Nuclear Fuel Complex) visit on 7th November 2022.

n. Counseling /Mentoring

Myself G. Bhaskar working as Assistant Professor in Mechanical Engineering from the past 1 year i was mentor for these students. Initially 17 students are allocated as mentees in the academic year 2022-23, by that time students were in III Semester (Autonomous). I believe improvement in teaching learning process through effective mentoring. Maximum communication between student to institute and institute to students are performing through the effective mentors. And they are completed their course success fully in this academic year, some members have backblocks. As a result, teacher-student bonding is significantly improved.

As a mentor I,

1. Provided guidance, oversight, and encouragement.
2. Provided feedback regarding their mentorship, progress, and experience
3. Meet in person or communicate regularly with my mentee to review their progress and help them work toward identified goals.
4. Maintain confidentiality of our relationship.

o. Individual Time table Copy

I-SEM:

	9:30 -10:30	10:30-11:30	11:30-12:30	1:15-2:15	2:15-3:15	3:15-4:15
MON	OR(A)	OR(B)				
TUE		OR(A)			OR(B)	
WED		EWP-Lab			OR(B)	
THU	OR(A)	OR(B)		OR(A)		
FRI		OR(A)				
SAT	OR(B)				EWP-Lab	

II-SEM:

	9:30 -10:30	10:30-11:30	11:30-12:30	1:15-2:15	2:15-3:15	3:15-4:15
MON			PPE	FEA		PPE
TUE	PPE	CAE Lab			PPE	
WED		PPE		PPE		FEA
THU			FEA		CAE Lab	
FRI		FEA				
SAT	FEA					

p. List of Projects Guided

- Design & Analysis of air conditioning duct using CAE tool
- Analysis of 0.223 remington 55 grain bullet in FEM using Ansys workbench
- Estimation of cooling/heating load, and hence tons of refrigeration required for air conditioning of a commercial space using carrier HAP software
- Fabrication of solar automated grass cutter
- Fabrication of pedal power drilling machine

q. List of in-house R&D Projects and documentation –NIL-

r. List. of funded R&D projects : documentation -NIL-

s. List. of consultancy activities :documentation -NIL-

t. List of Instructional materials like course files, lab manuals

- Operations Research Course file Prepared.

u. List of working models / Products developed / Incubation / Start-ups –NIL-

S. No	Title of the invention	Application No
1	Fabrication of solar automated grass cutter	
2	Fabrication of pedal power drilling machine	

v. Research Publications –NIL-

S. No	Paper title with Author /s names, journal name, date of publication, ISSN no., Volume and page nos.	UGC Index No	Academic Year
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w. List of Projects received seeded money -NIL

x. International fellowship for advanced studies / research -NIL-

y. List of Innovative Teaching/Learning Methodologies

➤ Participative Learning Methods:

(a) Seminars

(b) Group Discussions

➤ Problem Solving Methods:

(a) Group Tasks

(b) Learning by doing

z. link of webpage /blog/google classroom / LMS


https://www.youtube.com/watch?v=84HOL_EiJ4M&list=PLLtQL9wSL16ioUvHckGCkoWq_ClvyUI0p

Details of Additional contribution to the Department/College for the academic year 2022-23

	1	2	3	4	5
At what level you rate your performance (on a scale of 1 to 5)					5


Note: Submit attachments wherever necessary

Date:


Signature of Faculty Member

Observation of the Head of the Department:

Satisfactory May be considered for annual increment.


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METHODIST
COLLEGE OF ENGINEERING & TECHNOLOGY
(An UGC-AUTONOMOUS INSTITUTION)



Estd : 2008

Accredited by NAAC with A+ and NBA
Affiliated to Osmania University & Approved by AICTE

Teaching Staff Self Appraisal Report

(AY: 2022-2023 , (01-06-2022 to 31-08-2023))

Name of the College:	Methodist College of Engineering and Technology
Department:	Electrical and Electronics Engineering

1. Personal Details

1.1	Name of the faculty	Dr Bhukya Laxman
1.2.	Age	38
1.3	Gender	Male
1.4	Position / Designation	Associate Professor
1.5	Address for correspondence (with Pin code)	H.No. 3-10-20/10/A, Gokhale Nagar, Ramanthapur, Hyderabad, 500013

2. Qualification

		Institute Name	Year of Pass	Percentage (CGPA)
2.1	UG: BE	Kamala Institute of Technology and Science, Huzurabad	2007	52.49
2.2	PG: M.Tech	<u>Institute Name</u>	<u>Year of Pass</u>	<u>Percentage (CGPA)</u>
		National Institute of Technology, Calicut	2010	7.6
2.3	Ph.D (month & year of award /Institution)	<u>Institute Name</u>	<u>Year of Pass</u>	
		National Institute of Technology, Warangal	December 2021	

2.4	Additional Qualification	-----
2.6	Any Awards	-----

3. Teaching/Professional Experience

3.1	In MCET &	Date of Joining		Experience in No of years
		05 November 2021		2 years
3.2	In Other Institutions	Name of the Institution	Date of Joining	Experience in no.of years
		Global Institute of Engineering and Technology, Hyderabad	2 nd July 2010	6 months
		at P. Indra Reddy Memorial Engineering College, Hyderabad	5 th January 2011	6 months
		Bhoj Reddy Engineering College for Women, Hyderabad	4 th July 2011	5 years 5 months
		National Institute of Technology Warangal, Telangana	14 th December 2016	4 years 9 months
3.3	Total teaching Experience in years	8 years 6 months		
3.4	Other Professional Experience	4 years 9 months		

4. Subjects taught and Results Analysis for the academic year 2022-2023

4.1	Do you maintain a teaching diary in the attendance register	Yes		
4.2	Theory Subjects Taught	Subjects taught		
		I Sem	1. Linear Control Systems 2. Electromagnetic Fields	
		II Sem	1. Electrical circuits-II	
4.3	University Pass Percentage subject wise/section wise	Percentage of passes		
		I Sem	1. Linear Control Systems pass percentage is 63%, 2. Electromagnetic Fields pass percentage is 93.5%	

		II Sem	1. Elecyrcial circuits-II pass percentage is 68.18%	
4.4	Results analysis and reasons for failures and remedial measures taken if any			
4.5	Workload (2022-2023)		Number of theory subjects	Number of Labs
		First Semester	2	2
		Second Semester	1	2

5. Research, Publications and Academic Contributions for the period July 2022 to June 2023

Papers Published in Journals (Attach a separate Sheet if required)

	Title with Page No's	Journal and year of Publication	ISSN/ ISBN No./ SCOPUS No.	Whether peer reviewed -impact Factor and citations, if any	No. of Co- Authors	Whether you are the main author	Any other relevant information
5.1	Enhanced Maximum Power Point Techniques for Solar Photovoltaic System under Uniform Insolation and Partial Shading Conditions: A Review. Page; 1-29	Algorithms. 2022	ISSN: 1999-4893	Yes, 2.2, 29	3	Yes	-

Articles / Chapters published in Books: (Attach a separate Sheet if required)

	Title with Page No's	Book Title, editor & publisher	ISSN/ ISBN No.	Whether peer reviewed	No. of Co- Authors	Whether you are the main author	Any other relevant information
5.2	Fractional Order High Pass Filter Based Extremum Seeking Control for Grid Connected PV System. Pages 157-175	Power Quality in Microgrids: Issues, Challenges and Mitigation Techniques	Print ISBN978-981-99-2065-5 Online ISBN978-981-99-2066-2	Yes	5	Yes	

	Energy Science and Engineering ISBN: 978-613-9-90879-0 Lambert Academic Publishing (LAP)						
Full Papers in Conference Proceedings: (Attach a separate Sheet if required). Note:In case the conference papers are included in journal publications they should not be included here)							
5.3	Title with Page No's	Details of Conference Publication	ISSN/ ISBN No.	No. of Co-Authors	Whether you are the main author	Sponsoring Agency & Expenditure	
—							
Books Published as Single author or as editor (Attach a separate Sheet if required)							
5.4	Title with Page No's	Type of Book & Authorship	Publisher & ISSN ISBN No.	Whether peer reviewed	No. of Co-Authors	Whether you are the main author	Any other relevant information
—							
Ongoing and Completed Research Projects and Consultancies(Attach a separate Sheet if required)							
5.5	Title		Agency	Period	Grant / Amount Mobilized (Rs lakh)		
	Design and Development of Transformerless switched capacitor DC-DC converter for solar PV and Fuel cell based nanogrid for standalone applications		DST-SERB under State University Research Excellence	3 years	Not accepted		
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Refresher Courses and Faculty Development Programmes attended							
5.6	Programme	Duration	Date & Place	Organized by			
	IP awarness/Tranining on National Intellectual Propoerty Awaraness Mission	One day	05-Aug-22	Methodist college of Engineering and Technology			

	Two day FDP on Capacity Buliding	Two day	09 & 10 -03 - 2023	Methodist college of Engineering and Technology	
5.7	Invited Lectures and Chairmanships at National OR International Conference / Seminar etc				
Workshops/Conferences/Seminar attended					
5.8	Programme	Duration	Date & Place	Organized by	
	Two day seminar on STRATEGIC PLANNING AND IMPLEMENTATION OF OBE IN NEP-2020	Two days	22 August 2022 to 23 August 2022	Methodist college of Engineering and Technology	
5.11	GUEST LECTURES DELIVERED AT CONFERENCES / INSTITUTIONS: (Attach a separate Sheet if required)				
	State Level				
	National Level				
	International				
5.12	Details of Registration and certification of online courses (MOOCs/NPTEL/SWAYAM/Spoken Tutorials etc.) Documentary evidence to be submitted				
	Programme	Title of the course	Duration	Month and Year	Status
6	Membership of professional bodies / organizations (with positions held, If any)	1. Member of International Associaton of Engineers (IAENG) 2. Member of Institute For Engineering Research and Publication (IFERP)			

		3. Life member of The Indian Society for Technical Education				
7	A brief note on Mentoring for the academic year 2022-23 : > 18 students were assigned to me for mentoring. > Mentoring is done for students allotted according to the given slot in the timetable					
8	Details of Additional contribution to the Department/College for the academic year 2022-23 a) Placement coordinator b) Projects incharge c) Department R&D incharge d) Industry Interaction member					
8	At what level you rate your performance (on a scale of 1 to 5)	1	2	3	4	5
						✓

Note: Submit attachments wherever necessary

Any other Relevant Information you would like to submit:


Date:


Signature of Faculty Member

● Observation of the Head of the Department:

R & D incharge of the dept. He attends all R&D related works. Also he is placement coordinator. Recommended for Annual Increment.

Observation of the Director/Principal:

Increment is sanctioned based on ph.D qualification & R&D works by 

Observation of the Secretary