



**METHODIST COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**ACADEMIC YEAR 2020-2021(01-06-2020 to 31-08-2021)**

<b>Name of the College :</b>	<b>Methodist College of Engineering and Technology</b>
<b>Department :</b>	<b>MECHANICAL ENGINEERING</b>

<b>1. Personal Details:</b>				
1.a	Name of the faculty	Dr. P. Ravi Chander		
1.b	Age	41 YEARS		
1.c	Gender	MALE		
1.d	Position / Designation	ASSOC. PROFESSOR		
1.e	Address for correspondence (with Pin code)	FLAT No: 605, GOVERNAMENT QUARTERS, B-BLOCK ASMANGADH, NEW MALAKPET, HYDERABAD 500036. Mobile No: 9440022034 E-Mail : <a href="mailto:pravichander@methodist.edu.in">pravichander@methodist.edu.in</a> , <a href="mailto:vira755@gmail.com">vira755@gmail.com</a>		
<b>1.1. Qualification</b>				
1.1.a	UG: BE / B.Sc /B.Tech	Name of the Institution and University	year of passing	Division/Percentage
		Vasavi college of Engineering, OU	2001	Second Class/ 53.2%
1.1.b	PG: M.Tech/ M.S / M.Sc /MCA	Name of the Institution and University	year of passing	Division/Percentage
		JNTUA, ANANTAPURAMU	2005	FIRST CLASS/77.7
1.1.c	Ph.D(month & year of award /Institution)	Name of the Institution and University	month & year of award	
		JNTUH, HYDERABAD	FEB & 2017	
<b>1.2. Teaching/Professional Experience</b>				
1.2.a	In MCET	Date of Joining	Experience in No of years	
		05 / 09/ 2014	7	
1.2.b	In Other Institutions	Name of the Institution	Date of Joining	Experience in No of years
		Christujyoti Institute of Engineering & Technology	10/07/2010	4
		Guru Nanak Engineering college	05/06/2006	4
		Dr. V.R.K College of Engineering and Technology	05/05/2005	1
1.2.c	Total teaching Experience in years	<b>16 Years</b>		
1.2.d	Other Professional Experience	---		
<b>1.3. Subjects taught and Results Analysis for the academic year 2020-2021</b>				

1.3.a	Do you maintain a teaching diary in the attendance register	YES		
1.3.b	Theory Subjects Taught	<b>Subjects taught</b>		
		<b>I SEM</b>	For Sec –A& B,subject-Heat Transfer, Lab- For Sec –A&B :T.E-2 lab.	
1.3.c	University Pass Percentage subject wise/section wise (During II Sem of 2019-20)	<b>Percentage of passes</b>		
		<b>I SEM</b>	In Sec-A-100% & Sec-B-94% T.E-2 Lab: In Sec-A-100% & Sec-B-98%	
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 (2020-21)			<b>Number of theory subjects</b>
				<b>Number of Labs</b>
		<b>First Semester</b>	<b>01</b>	<b>02</b>
		<b>Second Semester</b>	<b>02</b>	<b>01</b>
	<b>Odd-Sem (2021-22)</b>	<b>02</b>	<b>01</b>	

**3. a. Incentives / Award / Reward / Recognitions**

- NIL-

**b. Member of external bodies**

- Life member of International Association of Engineers (IAENG- 102482)
- Life member of Combustion Institute

**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**

S. No.	Course	Place	Period
1.	Recent Advancement in Mechanical Engineering	BIET	22-26 june 2020
2.	Modelling and simulation- An Engineering Perspective	SCMS School of Engineering Technology	22-27, june-2020

3.	Recent Advances in Heat transfer and its Applications	B.M.S COLLEGE OF ENGINEERING	13-17, July-2020
4.	Research Methodologies And Statistical Data Analysis	AICTE - Sponsored Faculty Development Programme(CBIT)	16-28, Nov-2020
5.	Rapid prototyping and Artificial Intelligence for Industrial Application	AICTE-ISTE Sponsored 6-Days Online Induction Program	25-31, March-2021
6.	Classical Optimization Techniques in Manufacturing systems"	AICTE Training And Learning (ATAL) Academy Online Elementary FDP(GNITC)	05-09, July-2021
7.	Current Trends in Research & Innovation - Research Paper Publications - IPR and Patents - Research Projects & Fundraising	Institute for Academic Excellence, Hyderabad	27- 31 August 2021

**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

**k. invited lectures -NIL-**

**l. Responsibility in Committees / cells**

- Time table committee member
- Student welfare coordinator.

**m. Industrial visits / Trainings / Internships organized -NIL-**

**n. Counseling /Mentoring**

Myself Dr.P.Ravi Chander working as Assos. Professor in Mechanical Engineering from the past 2 years i was mentor for these students. Initially 20 students are allocated as mentees in the academic year 2018-19, by that time students were in III Semester (AICTE SCHEME). 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, two 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						
TUE	H.T					
WED		H.T			T.E LAB-2	
THU					H.T	
FRI				H.T		
SAT				H.T	T.E LAB-2	

**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				AE		
TUE			AE		T.E LAB-I	
WED		AE				
THU	AE					
FRI					AE	
SAT				AE		

**p. List of Projects Guided**

- DESIGN AND STATICS ANALYSIS OF RACK AND PINION STEERING MECHANISM BY USING DIFFERENT MATERIALS
- DESIGN & FABRICATION OF REGENERATIVE BRAKING SYSTEM
- EXPLICIT ANALYSIS OF BLAST PROOF MILITARY SHOES

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

**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**

- Heat transfer Course file Prepared.
- Automobile Engineering Course file Prepared.

- Applied thermodynamics Course file Prepared.

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

S. No	Title of the invention	Application No
1	Design, Development & Testing Of Fatigue Testing Machine	202141009207 A
2	Design & Development Of Apparatus For Abrasive Jet-Assisted Drilling And Cutting	202141009214 A

**v. Research Publications**

S. No	Paper title with Author /s names, journal name, date of publication, ISSN no., Volume and page nos.	UGC Index No	Academic Year
1.	Design And Analysis of Rotovator And Cultivator Blades By Various Materials Using FEA	THE JOURNAL OF ORIENTAL RESEARCH MADRAS ISSN : 0022-3301 [NOVEMBER 2021	2020-21
2.	Design Modelling And Analysis of Knee Implant Using Different Biomaterials	THE JOURNAL OF ORIENTAL RESEARCH MADRAS ISSN : 0022-3301 [NOVEMBER 2021	2020-21

**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/channel/UCNYO30V5uvbnjDhW4JHwlow>

Details of Additional contribution to the Department/College for the academic year 2019-20					
At what level you rate your performance ( on a scale of 1 to 5)	1	2	3	4	5

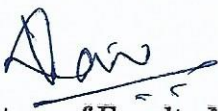
					5
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Note: Submit attachments wherever necessary

Any other Relevant Information you would like to submit:


- 1) Member of Admission Cell
- 2) Department Coordinator
- 3) Member of scholarship cell

Date:

  
Signature of Faculty Member

Observation of the Head of the Department:

The details as mentioned by Dr. Ravichander, Asso. prof. are verified and found correct. His contribution to the department is satisfactory.

  
HOD-ME.

Annual increment is sanctioned as based on his perform and recommenda by HoD Chem



**Methodist College of Engineering and Technology, Abids, Hyderabad**  
**Staff Self Appraisal Report**

(For the Academic year 2020-2021 )

Name of the College :	Methodist College of Engineering and Technology
Department :	<u>CIVIL ENGINEERING</u>

**1. Personal Details**

1.1	Name of the faculty	SHAISTA BEGUM
1.2	Age	51
1.3	Gender	Female
1.4	Position / Designation	Associate Professor
1.5	Address for correspondence (with Pin code)	<u>8-1-398/15/1</u> <u>IAS Colony</u> <u>Tolichowki</u> <u>Hyderabad 500008</u>  Mob : No. 9701528530 E-Mail : ershaistaw@methodist.edu.in

**2. Qualification**

2.1	UG: BE / B.Sc /B.Tech	Name of the Institution and University	year of passing	Division/Percentage
		<u>JNTUH(Campus)</u>	<u>1996</u>	<u>1<sup>st</sup>/72%</u>
2.2	PG: M.Tech/ M.S / M.Sc /MCA	Name of the Institution and University	year of passing	Division/Percentage
		<u>JNTUH(Campus)</u>	<u>2006</u>	<u>1<sup>st</sup>/75%</u>
2.3	Ph.D (month & year of award)	Name of the Institution and University	month & year of award	

	/Institution)	---	---
2.4	Additional Qualification	<u>Ph.D. (Research Scholar)(OU)</u>	
2.6	Any Awards	Nil	

### 3. Teaching/Professional Experience

3.1	In MCET &	Date of Joining	Experience in No of years	
		<u>02/07/2018</u>	<u>4</u>	
3.2	In Other Institutions	Name of the Institution	Date of Joining	Experience in No of years
		<u>Deccan College of Engineering &amp; Technology</u>	<u>01/07/2005</u>	<u>13</u>
3.3	Total teaching Experience in years	<u>17</u>		
3.4	Other Professional Experience	<u>4</u>		

### 4. Subjects taught and Results Analysis for the academic year 2017-2018

4.1	Do you maintain a teaching diary in the attendance register	YES		
4.2	Theory Subjects Taught	Subjects taught		
		I Sem	Structural Engineering Design & Detailing	
		II Sem	Steel Structures & Docs	
4.3	University Pass Percentage subject wise/section wise	Percentage of passes		
		I Sem	53.9	
		II Sem	81.88 & 65.21	
4.4	Results analysis and reasons for failures and remedial measures taken if any	I Sem subject was completely mathematical and classes were conducted online Remedial classes were taken during supplementary exams		
4.5	Workload for the current semester and the last semester (2020-2021)	Number of theory subjects		Number of Labs
		First Semester	2	1
		Second Semester	2	1

### 5. Research, Publications and Academic Contributions for the period July 2020 to June 2021

5.1	Papers Published in Journals ( Attach a separate Sheet if required)
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	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
<b>Articles / Chapters published in Books: ( Attach a separate Sheet if required)</b>							
5.2	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
<b>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)</b>							
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	
<b>Books Published as Single author or as editor ( Attach a separate Sheet if required)</b>							
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

	<b>Ongoing and Completed Research Projects and Consultancies( Attach a separate Sheet if required)</b>						
5.5	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Grant / Amount Mobilized (Rs lakh)</b>			
	<b>Refresher Courses and Faculty Development Programmes attended</b>						
5.6	<b>Programme</b>	<b>Duration</b>	<b>Date &amp; Place</b>	<b>Organized by</b>			
	One day webinar on “Now and Future: Climatic Change and Food Systems”	1 day	06-06-2020	Methodist College of Engineering and Technology			
	One day webinar on “Fundamentals of Geographic Information System”	1 day	06-06-2020	Methodist College of Engineering and Technology			
	one day Webinar on “ICT Tools for Teaching”	1 day	13-06-2020	Methodist College of Engineering and Technology			
	<b>Invited Lectures and Chairmanships at National OR International Conference / Seminar etc</b>						
5.7	<b>Title of Lecture / Academic Session</b>	<b>Title of Conference / Seminar etc.,</b>	<b>Organized by</b>	<b>Whether International / National</b>			

<b>Workshops/Conferences/Seminar attended</b>					
5.8	Programme	Duration	Date & Place	Organized by	
<b>GUEST LECTURES DELIVERED AT CONFERENCES / INSTITUTIONS: ( Attach a separate Sheet if required)</b>					
5.11	State Level				
	National Level				
	International				
<b>Details of Registration and certification of online courses ( MOOCs/NPTEL/SWAYAM/Spoken Tutorials etc.) till 28<sup>th</sup> February, 2021. Documentary evidence to be submitted</b>					
5.12	Programme	Title of the course	Duration	Month and Year	Status
6	Membership of professional bodies / organizations (with positions held, If any)				
7	A brief note on Mentoring for the academic year 2020-21 Few of my mentees who were detained, did counselling, motivated and guided them to pass the examination. Another mentee who was aggressive in nature counselled him and his mother and found many changes and politeness in his behavior				
8	Details of Additional contribution to the Department/College for the academic year 2020-21 i) Criteria III department coordinator ii) Lab manuals for 2 labs were prepared as per the SEE iii) In charge HOD in the absence of Head of Department iv) Project work Co-Coordinator v) NPTEL Coordinator vi) Students Grievance cell in charge				

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:

*[Handwritten Signature]*

Signature of Faculty Member

Observation of the Head of the Department:

Good performance and taking responsibility for the department. *[Handwritten Signature]*  
(HOD CE Dept)

Observation of the Director/Principal:

Annual increment is granted based on her exceptional performance. *[Handwritten Signature]*

**Observation of the Secretary**

**PRINCIPAL**  
METHODIST COLLEGE OF ENGG. & TECH.  
King Koti Road, Abids, Hyderabad





# Non Teaching Staff Self Appraisal Report

(For the Academic year 2020-2021)

(01-06-2020 to 31-08-2021)

Name of the College :	Methodist College of Engineering and Technology
Department :	E. E. E.

## 1. Personal Details

1.1	Name of the Non Teaching Staff	R. V. KRISHNA MOHAN
1.2	Age	38 years.
1.3	Gender	male.
1.4	Position / Designation	Lab- Assistant.
1.5	Address for correspondence (with Pin code)	H.No: 3-5-112, Indira Nagar, Ramanthapur, Hyderabad, 500013.

## 2. Qualification:

		Name of the Institution and University	year of passing	Division/Percentage
2.1	B.Tech (E.E.E)	Vignam Institute of Tech & JNTUH	2006	II/56%
2.2	Additional Qualification			
2.3	Any Awards			

## 3. Professional Experience

		Date of Joining	Experience in No of years
3.1	In MCET &	01-12-2018	3.4 years.

	In Other Institutions	Name of the Institution	Date of Joining	Experience in No of years
3.2	VBIT, Ghoskesar.	Vignana Bharathi Institute	28-12-2007	7 years
3.3	Total Academic Experience in years			
3.4	Other Professional Experience			

#### 4. Laboratory courses handled for the academic year 2020-2021

	Name of the laboratory course	No. of Batches
1.	Electrical machines - 1 Lab,	03
2.	Electrical machines - 2. Lab,	03
3.	BEE - Lab.	03

#### 5. Training programs attended during the period July 2020 to June 2021

	Type of training	Institute/industry	Duration

#### 6. Involvement in academic activity

S. No.	Nature of work	Details
1	Maintenance of the laboratory	Yes.
2	supporting students in other than regular lab work (project work, innovative product development, etc.)	Yes.
3	Stock register maintenance	Yes.
4	Any other activity	.

7	Details of Additional contribution to the Department/College for the academic year (2020-21)	Examination work (marks entered), Lab manual typing.				
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: 25/03/2022.

*Krishna*  
Signature of the Staff

Observation of the Head of the Department: This lab. Asst performance is good. He is very supportive for the department and attends every work assigned to him. feedback from students is also good with respect to lab expts duty.

Observation of the Director/Principal: ✓

Sanctioned increment for 2020-21 as per the recommendation by the HOD

*[Signature]*  
(HOD-EEE)

Observation of the Secretary:

25/3/20