

Performance Based Appraisal

Formats

&

Sample Copies

Cir.No: MLRIT/IQAC/2023/15

Date: 20.07.2023

CIRCULAR

Sub: Performance Based Appraisal System (PBAS) - reg

Performance appraisals are essential for the growth of an institute and the employee. It helps the individuals to find out where his / her career is heading.

Expecting that Performance appraisals can help the institute in evaluating the employee performance and where employees can improve to more closely align with overall mission, the following PBAS is introduced after approval from all departments in the IQAC meeting held on 19th July 2023. HR department shall document the performance of the staff to determine increments / bonuses or redundant.

All the staff have to submit the duly filled in PBAS proforma to the HoDs who in turn shall scrutinize and present his /her comments.

All the HoDs are informed to send the PBAS after scrutiny to the IQAC by 27th July 2023 closing hrs.


 20/7/23
 Dean IQAC


 20/7/2023
 PRINCIPAL

Copy submitted to: To Secretary
 Copy to: All HODs for Information and N.A.

ICT	EE	CSI	AIML	IT	Mech	CSIT	Aero	MBA	S&IT	Exam Cell	T&P cell	Transport	Phy.Edu	Library	R&D

1. A.A. Office File 2. Dean 3. Notice Boards 4. Accounts

SELF-APPRAISAL OF TEACHING FACULTY

(The details are required from 1 July, 2022 to 30 June, 2023)

(Please attach separate sheets if necessary; include more rows in the tables as per the need)

CONCEPT: Teachers are well familiar with assessment and evaluation of students. Self appraisal helps to figure out what teacher's strengths and weaknesses are. It allows one to take an honest look at oneself. It is a process of self evaluation to determine the level of self-efficiency. It is a part of continuing professional development or career advancement. As per UGC regulations 2010 on minimum qualifications for appointment of teachers and other academic staff in universities and colleges it is mandatory for all universities and colleges to prepare Performance Based Appraisal in the prescribed format.

THE INDIVIDUAL PERFORMANCE BASED APPRAISAL SYSTEM (PBAS)

(Maximum Total Score: 500)

PART A: - GENERAL INFORMATION & ACADEMIC BACKGROUND

1.	Name	
2.	Department	
3.	Designation	
4.	Area of Specialization	
5.	Current Pay band & Grade pay	
6.	Date of joining (This Institution)	
7.	Address for correspondence	Phone No
8.	Email id	

9. Academic Qualifications (Highest Qualification)					
Degree	College / University	Specialization	Year of Passing	Percentage of Marks	Division
10. Total Experience (in years)					
Academic	Industrial	Research (Excluding duration of Ph.D.)	Total		



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20/7/2023

PART – B: ACADEMIC PERFORMANCE INDICATORS

CRITERIA I: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

(Maximum Total Score: 120)

11. Lectures, Practical, Contact Hours (Semester wise/Annual detail)
(Maximum Score: 40; 100% compliance = 20 points for Course, 10 points for lab)

S. No	Subject Name	Total number of lectures allocated	Number of lectures taken	Self-appraisal Score	Verified API Score
1	Course 1				
2	Course 2				
3	Lab 1				
4	Lab 2				

12. Use of participatory and Innovative teaching learning methodologies (Lecture Notes, Assignment/Quiz, Blooms Taxonomy, Real Time Applications)

(Use of LMS; content updating for each UNIT in LMS) Maximum API Score: 20 (4 Marks per UNIT)

S. No	UNIT	Subject 1	Subject 2	Self-appraisal Score	Verified API Score
1	UNIT-I				
2	UNIT-II				
3	UNIT-III				
4	UNIT-IV				
5	UNIT-V				

13. Implementation of ALS (one activity per UNIT) (Maximum API Score: 15; API Score – 3 Marks/Unit)

S. No	UNIT	Subject 1	Subject 2	Self-appraisal Score	Verified API Score
1	UNIT-I				
2	UNIT-II				
3	UNIT-III				
4	UNIT-IV				
5	UNIT-V				



10/11/2023
 MLR

14. Additional Administrative Duty held (Max. 15 Marks) (7 Marks for duty; 8 Marks for respective report)

S.No	Subject Name		Self Appraisal Score	Verified API Score
1	Duty 1			
2	Duty 2			
3	Reports Submitted	Yes	No	

15. Student Feedback (Max. 10 Marks) (5 Marks for 65 – 74.9 %; 7.5 Marks for 75 – 79.9%; 10 Marks for >= 80 %)

S.No	Subject's Name	Feedback in %	Self Appraisal Score	Verified API Score
1	Subject 1:			
2	Subject 2:			
3	Lab 1:			
4	Lab 2:			

16. Result Analysis (Only Theory) (Maximum Score: 20)

(More than 90 % - 20 Marks; 80-89% - 10 Marks; 70-79% - 8 Marks; 60-69% - 7 Marks; 50-59% - 6 Marks; less than 50% - 5 Marks)

S. No	Subject Name	Pass Percentage	Self Appraisal Score	Verified API Score
1	Course 1:			
2	Course 2:			
3	Course 3:			

SCORE FOR CRITERIA - I

S. No	Maximum API Score	API Score Obtained	Remarks
11	40		
12	20		
13	15		
14	15		
15	10		
16	20		
TOTAL	120		



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CRITERIA II: CO-CURRICULAR, EXTENSION AND PROFESSION RELATED ACTIVITIES
(Maximum Score: 40)

S. No	Nature of Activity	Maximum Score: 40		
		Max. API Score	Self-appraisal Score	Verified API Score
17.	ICT based instructional material developed through Media Center. (One Module) (Uploaded in the college website / LMS)	10		
18.	Coordinator of Co-curricular activities for students such as field studies/educational tours, industry - training / visits / internships / and placement activity. (Each activity 10 Marks)	10		
19.	Coordinator of NSS / Sports / NCC / NSD / Yoga / Cultural / Clubs / Competitions / Value added Programs (Each activity 20 Marks) Note: Competitions: winning 20 Marks (First/Second/Third/Cash Prize); Participation 05 Marks (Report to be attached)	20		

SCORE FOR CRITERIA – II

S. No	Maximum API Score	API Score Obtained	Remarks
17	10		
18	10		
19	20		
TOTAL	40		

Sl. No.	Name of the Candidate	Maximum API Score	API Score Obtained
01		10	00
02		10	00
03		10	00
04		10	00
05		20	00
06		20	00
07		20	00
08		20	00
09		20	00
10		20	00
TOTAL		100	00



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20/12/2022

CRITERIA III: PROFESSION – RELATED CONTRIBUTION

(Maximum Score: 40)

S. No	Nature of Activity	Maximum Score		
		Max. API Score	Self-appraisal Score	Verified API Score
20	Institutional Governance responsibilities like, Vice Principal, Dean, Director, Warden, IQAC coordinator and any other membership of institutional committees: a) Vice Principal / Dean / Director b) AO / Warden / Chairperson / IQAC coordinator c) Member of syndicate / Governing council: d) Member of Academic council / Senate: e) Member of other college / university level committees: (Each Role: 5 points)	10		
	Coordinators: a) Subject /Time Table / Exam Branch / Overall Attendance b) NBA/NAAC/JNTUH/NIRF c) Project / Website / LMS / ERP (Each Role: 5 points)			
21	Participation in Technical associations (Ex. Panelist), conferences without paper presentation. (Each activity: 3 point)	06		
22	Participation in short term training courses/MOOC/NPTEL in educational technology, curriculum development, professional development, Examination reforms, Institutional governance. (Each activity: 10 points)	20		
23	Membership of professional associations committees, editorial committees of journals / institutional publications. (Each activity: 2 points)	4		

SCORE FOR CRITERIA – III

S. No	Maximum API Score	API Score Obtained	Remarks
20	10		
21	06		
22	20		
23	04		
TOTAL	40		



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26/12/2020

28. Research Guidance

(API Score – 2 for B.Tech, 4 for M.Tech, 10 for each Ph. D candidate)

S. No	Student	Number of Students	API Score (Max. 40)	Verified API Score
1	B. Tech Students			
2	M. Tech Students			
4	Ph. D Degree Awarded			

29. Faculty Development Program Conducted (Minimum of one week duration) Category I & II - 20 min. marks
(Max. Score 20; As convenor -10; coordinator- 5; Any other committee member)

S. No	Programme	Duration		Organized By	Role	API Score (Max-20)	Verified API Score
		From	To				

30. Faculty Development Program Attended (Minimum of one week duration) (Max. Score 10; 5 / FDP)

S. No	Programme	Duration		Organized By	API Score (Max-10)	Verified API Score
		From	To			

31. Faculty Development Program or Seminar Attended / Conducted (less than one week duration)
(Max. Score 10; 02 / FDP/Seminar)

S. No	Programme	Duration		Organized By	API Score (Max.10)	Verified API Score
		From	To			

32. Invited Lectures and keynote speaker at International/National/ State level Conferences / Seminars / Workshops / Training program
International 10/event; National 5/event; State level 3/event (Max. Score 10)

S.No	Title of Academic Session	Title of the Conference/ Seminar	Organized By	National/ International/ Regional	API Score (Max. 10)	Verified API Score



33. Completed (this year) /Ongoing Research Projects
(Completed project 30/project; Ongoing 15/project)

S. No	Title of the Project	Funding Agency	Grant Sanctioned	Period		API Score (Max. 30)	Verified API Score
				From	To		

34. Consultancy Projects On-going / Completed (this Year) Category I & II - 20 min. marks
(API Score: 10 points / every Rs. 1.00 lakh)

S.No	Title	Funding Organization	Amount Funded	National/ International/ Regional	API Score (Max. 30)	Verified API Score

35. Number of patents filed/published/granted. Category I & II - 20 min. marks
(Filed- 10/patent; published-20/patent; Granted-30/patent)

S.No	Title	Patent Name	Filed / Awarded	National/ International/ Regional	API Score (Max. 30)	Verified API Score

36. No. of LOPs (Max Score: 10 Marks)

(Formula: $10 - \frac{x}{2}$ where x is the no. of LOPs from 1 July, 2022 to 30 June, 2023)

No. LOPs	API Score (Max. 10)	Verified API Score

SCORE FOR CRITERIA – IV

S. No	Maximum API Score	API Score Obtained	Remarks
24	30		
25	20		
26	10		
27	50		
28	40		
29	20		
30	10		
31	10		
32	10		
33	30		
34	30		
35	30		
36	10		
TOTAL	300		



20/11/2022

SUMMARY OF API SCORE

Category	CRITERIA	Last Academic Year	Total API Score for the Assessment period	
			Claimed	Verified
I	TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES (120)	---		
II	CO-CURRICULAR, EXTENSION AND PROFESSION RELATED ACTIVITIES (40)	---		
III	PROFESSION – RELATED CONTRIBUTION (40)	---		
IV	RESEARCH AND RELATED CONTRIBUTIONS (300)	---		
TOTAL		---		

Any other significant contribution not covered in any of the above

List of Enclosures:

- 1.
- 2.

Signature of the Faculty
with designation and date

Comments of HOD

Signature of HOD

Comments of IQAC:

For faculty joining after Jan 2022-Completion of EECF certification – YES /NO

Verified by IQAC

Name & Signature - 1

Name & Signature – 2

Signature of the Dean-IQAC

Signature of the Principal



Handwritten signature and date: 20/11/2023

2

1



MLR Institute of Technology

Laxma Reddy Avenue, Dundigal, Quthbullapur (M), Hyderabad – 500 043
Phone Nos: 08418 – 204066 / 204088, Fax : 08418 – 204088

SELF-APPRAISAL OF TEACHING FACULTY

(The details are required from 1 July, 2022 to 30 June, 2023)

(Please attach separate sheets if necessary; include more rows in the tables as per the need)

CONCEPT:

Teachers are well familiar with assessment and evaluation of students. Self appraisal helps to figure out what teacher's strengths and weaknesses are. It allows one to take an honest look at oneself. It is a process of self evaluation to determine the level of self-efficiency. It is a part of continuing professional development or career advancement. As per UGC regulations 2010 on minimum qualifications for appointment of teachers and other academic staff in universities and colleges it is mandatory for all universities and colleges to prepare Performance Based Appraisal in the prescribed format.

THE INDIVIDUAL PERFORMANCE BASED APPRAISAL SYSTEM (PBAS)

(Maximum Total Score: 500)

PART A: - GENERAL INFORMATION & ACADEMIC BACKGROUND

1. Name	Dr. T S Arulananth	
2. Department	Electronics and Communication Engineering (ECE)	
3. Designation	Professor	
4. Area of Specialization	Image and signal processing, Communication systems, Embedded systems, Bio signal Processing, Pattern recognition	
5. Current Pay band & Grade pay	62,358- 10000- 1,34,331	
6. Date of Joining (This Institution)	05/11/2016	
7. Address for correspondence	Dr.Arulananth.T.S, DECE, B.E(ECE), M.Tech (Applied Electronics), Ph.D (Image Processing) Bethel Bhavan, Plot No 1C, AyyappanNager Second Street, SaraswathiNager Main Road, Thirumullaivoyal, Chennai – 600 062.	Phone No 9962597724
	arulanandh.ts@gmail.com,arulananthece@mlrinstitutions.ac.in, arulananth.ts@gmail.com	
8. Email Id		

9. Academic Qualifications (Highest Qualification)					
Degree	College / University	Specialization	Year of Passing	Percentage of Marks	Division
Ph.D	Dr. M.G.R University, Maduravoyal, Chennai	Image processing	April 2016	NA	1 st ✓
M.Tech	Dr. M.G.R University, Maduravoyal, Chennai	Applied Electronics	April 2007	83%	1 st ✓
B.E	Fransis Xaviour Engineering College, Tirunelveli, University. M.S.	Electronics and Communication Engineering	April 2004	74%	1 st ✓

DECE (Diploma in Electronics and Communication Engineering)	M.G.Polytechnic, Nagercoil.	Electronics and Communication Engineering	April 2001	84%	1 st
HSC	Govt. Hr. Sec. School, Munchirai, State Board, Tamil Nadu	Science group	March 1998	78%	1 st
SSLC	Govt. Hr. Sec. School, Munchirai, State Board, Tamil Nadu	---	March 1996	61%	1 st

10. Total Experience (in years)

Academic	Industrial	Research (Excluding duration of Ph.D.)	Total
19 years & 1 month	-	7 years 3 months	19 years & 1 month

PART – B: ACADEMIC PERFORMANCE INDICATORS

CRITERIA I: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

(Maximum Total Score: 120)

11. Lectures, Practical, Contact Hours (Semester wise/Annual detail)

(Maximum Score: 40; 100% compliance = 20 points for Course, 10 points for lab)

S. No	Subject Name	Total number of lectures allocated	Number of lectures taken	Self-appraisal Score	Verified API Score
1	Course 1 Signals and systems	60	66	20	
2	Course 2 Fiber optical communication	60	64	20	
3	Course 3 Analog and digital communication	60	72	20	
4	Course 4 Digital signal processing	60	69	20	
3	Lab 1 BS lab	45	45	10	
4	Lab 2 DSP lab	45	45	10	

12. Use of participatory and Innovative teaching learning methodologies (Lecture Notes, Assignment/Quiz, Blooms Taxonomy, Real Time Applications)

(Use of LMS; content updating for each UNIT in LMS) Maximum API Score: 20 (4 Marks per UNIT)

S. No	UNIT	Subject 1 ADC	Subject 2 DSP	Self-appraisal Score	Verified API Score
1	UNIT-I	4	4	8	
2	UNIT-II	4	4	8	

3	UNIT-III	4	4	8	
4	UNIT-IV	4	4	8	
5	UNIT-V	4	4	8	

13. Implementation of ALS (one activity per UNIT) (Maximum API Score: 15; API Score – 3 Marks/Unit)

S. No	UNIT	Subject 1 ADC	Subject 2 DSP	Self- appraisal Score	Verified API Score
1	UNIT-I	3	3	6	
2	UNIT-II	3	3	6	
3	UNIT-III	3	3	6	
4	UNIT-IV	3	3	6	
5	UNIT-V	3	3	6	

14. Additional Administrative Duty held (Max. 15 Marks) (7 Marks for duty; 8 Marks for respective report)

S.No	Subject Name		Self Appraisal Score	Verified API Score
1	Duty 1	Consultancy file	15	✓
2	Duty 2	HOD Diary	15	
3	Reports Submitted	Yes	30	✓

15. Student Feedback (Max. 10 Marks) (5 Marks for 65 – 74.9 %; 7.5 Marks for 75 – 79.9%; 10 Marks for >= 80 %)

S.No	Subject's Name	Feedback in %	Self Appraisal Score	Verified API Score
1	Signals and systems		10	✓
2	Fiber optical communication		10	✓
3	Analog and digital communication		10	
4	Digital signal processing		10	
5	BS lab		10	
6	DSP lab		10	✓

16. Result Analysis (Only Theory) (Maximum Score: 20)

87

(More than 90% - 20 Marks; 80-89% - 10 Marks; 70-79% - 8 Marks; 60-69% - 7 Marks; 50-59% - 6 Marks; less than 50% - 5 Marks)

S. No	Subject Name	Pass Percentage	Self Appraisal Score	Verified API Score
1	Signals and systems	7	5	5
2	Fiber optical communication	10	5	5
				10

SCORE FOR CRITERIA - I

S. No	Maximum API Score	API Score Obtained	Remarks
11	40	40	
12	20	20	(97)
13	15	15	
14	15	15	
15	10	10	
16	20	(17)	10
TOTAL	120	117	

CRITERIA II: CO-CURRICULAR, EXTENSION AND PROFESSION RELATED ACTIVITIES (Maximum Score: 40)

S. No	Nature of Activity	Maximum Score: 40		
		Max. API Score	Self-appraisal Score	Verified API Score
17.	ICT based instructional material developed through Media Center. (One Module) (Uploaded in the college website / LMS)	10		
18.	Coordinator of Co-curricular activities for students such as field studies/educational tours, industry - training / visits / internships / and placement activity. (Each activity 10 Marks)	10	10 Intend to proof?	
19.	Coordinator of NSS / Sports / NCC / NSO / Yoga / Cultural / Clubs / Competitions / Value added Programs (Each activity 20 Marks) Note: Competitions: winning 20 Marks (First/Second/Third/Cash Prize); Participation 05 Marks (Report to be attached)	20	20 proof?	

SCORE FOR CRITERIA – II

S. No	Maximum API Score	API Score Obtained	Remarks
17	10	00	
18	10	10	
19	20	20	
TOTAL	40	30	16

CRITERIA III: PROFESSION – RELATED CONTRIBUTION
(Maximum Score: 40)

S. No	Nature of Activity	Maximum Score		
		Max. API Score	Self-appraisal Score	Verified API Score
20	Institutional Governance responsibilities like, Vice Principal, Dean, Director, Warden, IQAC coordinator and any other membership of institutional committees: a) Vice Principal / Dean / Director b) AO / Warden / Chairperson / IQAC coordinator c) Member of syndicate / Governing council: d) Member of Academic council / Senate: e) Member of other college / university level committees: (Each Role: 5 points)	10	10 ✓	05
	Coordinators: a) Subject / Time Table / Exam Branch / Overall Attendance b) NBA/NAAC/JNTUH/NIRF c) Project / Website / LMS / ERP (Each Role: 5 points)			10 ✓
21	Participation in Technical associations (Ex. Panelist), conferences without paper presentation. (Each activity: 3 point)	06	06 ✓	06 03
22	Participation in short term training courses/MOOC/NPTEL in educational technology, curriculum development, professional development, Examination reforms, Institutional governance. (Each activity: 10 points)	20	20 ✓	✓
23	Membership of professional associations committees, editorial committees of journals / institutional publications. (Each activity: 2 points)	4	4 ✓	4

37
10
20
Total marks

SCORE FOR CRITERIA – III

S.No	Maximum API Score	API Score Obtained	Remarks
20	10	10 5	
21	06	06 -	
22	20	20 20	
23	04	04 29/34	
TOTAL	40	40 29	

CRITERIA – IV: RESEARCH AND RELATED CONTRIBUTIONS
(Maximum Score: 300)

Category I: Faculty with Ph.D. degree

Category II: Faculty with above Rs 65,000/- salary,

(Minimum marks to be scored – 105 Marks from S.No.24, 25, 29, 34, 35)

24. Published papers in Journals (International Journals, National Journals) – Category I & II - 45 min. marks

(API Score – SCIE/SCI/WoS Indexed: 30 marks/paper; SCOPUS indexed 15 marks/paper; any other paper 5 marks/paper. Main author: full Score, Co-author: Half Score)

S. No	Title of the Paper	Name of the Journal	Online Publication Date	Volume & Issue	DOI No	No of Co-authors	Main author (Y/N)	API Score (Max. 30)	Verified API Score
1	Energy Efficient Congestion Free And Adaptive Mechanism For Data Delivery In Underwater Wireless Sensor Networks Using 2H-ACK"	Journal of optical and quantum electronics	24/8/22	2022	:10.21203/rs-1400154/v1	4	Y N	30	20 20 20 Published
2	characterization analysis of silver nanoparticles synthesized from chaetoceros calcitrans	Journal of Nanomaterials	22/9/22	2022	ISSN: 1687-4129 10.1155/2022/4056551	4	N	15	7.5
3	"Nanoclay incorporated Poly caprolactone matrix via electro spinning techniques enriched spectroscopic	Journal of Nanomaterials	22/9/22	2023	ISSN: 1687-4129 doi.org/10.1155/2023/1194158	4	N	15	7.5

	responses"								
5	Automatic covid-19 face mask and body temperature detection using raspberry pi	Neuro Quanta logy	17/4/23	Volume 20 Issue 18		1	Y	15	15 ✓

25. Full Papers in Conference Proceedings (International, National) Category I & II - 10 min. marks
(API Score: Maximum 10/publication as main author, 2/publication as coauthor)

S.No	Title of the Paper	Conference Proceedings	Online Publication Date	DOI No/ISSN	No of Co-authors	Whether you are main author	API Score (Max. 20)	Verified API Score
1	Smart Trial Room using Python	IEEE International conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI-2022).	15/5/23	10.1109/IATMSI56455.2022.10119291	Bittu Kumar, SVS Prasad, Kiran Kumar and Chappidi Mahitha	Y ✓	10 ✓	10
2	Moving Object Detection using Background Subtraction	ASSIC 2022	4/4/23	10.1109/ASSIC55218.2022.10088288	Poliseti S V N Manikanta, Banoth Ravi and SVS Prasad	Y	10 02	02
3	Investigation of Effect of Tool Offset Position on Mechanical Properties Of Dissimilar Aluminium Alloy Sheets Joined By Friction Stir Welding	ICAAM-2022	5/6/23	https://doi.org/10.1016/j.matpr.2023.06.252	M.Prakash, M.Vinoth Kumar, S.Sathya Moorthi, R.Sathish Kumar, M.Prakash,	N	2 ✓	02
4	Machine Learning based Metal	ICAAM-2022	5/6/23	https://doi.org/10.1016/j.matpr.2023.06.252	K.Vasanth, V. Elananga	N	2	02 ✓

	Surface Roughness Estimation in Infrared Images,			6.252	i, Thyagarajan K,			
5	Graphene/ZnO nanocomposite based optical biosensors	ICAAM-2022	5/6/23	https://doi.org/10.1016/j.matpr.2023.06.252	SVS Prasad, Manoj Kumar, Banoth Ravi, Bittu Kumar, B. Kiran Kumar, G. Nagesh	N	2	02
6	Face Mask Detection Using Support Vector Machine,	International Conference on Computer Communication and Informatics (ICCCI),	23 MAY. 2023		D Divya Priya, R. Subbulakshmi; P. Purushotham; Ajmeera Kiran; S.P. Kavya	N	2	02

26. Articles/Chapters published in Books (International publications, National publications)
(API Score for International: 10; National: 5; Main Author: Full Score, Co-author: Half Score)

S. No.	Book Chapter Title & Book Title	Online Publication Date	ISBN No	No of Co-authors	Main author (Y/N)	API Score (Max. 10)	Verified API Score
1	<i>Blockchain for 5G Healthcare Applications: Security and privacy solutions</i> "Enhanced Block-chain Technology Associated with IoT for Secure and Privacy Communications in 5G".	23/7/22	978-1-83953-325-9	J. Ramkumar, M. Baskar, K. Srinivas Rao	Y	10	10

27. Books Published / Edited (International publications, National publications)
API Score – International: (Published :50, Editor: 10) National: (Published: 25, Editor: 5)

S.No	Title of the Book	International / National	Publisher	ISBN No	Online Publication Date	API Score (Max. 50)	Verified API Score
						00	

28. Research Guidance
(API Score – 2 for B.Tech, 4 for M.Tech, 10 for each Ph. D candidate)

S. No	Student	Number of Students	API Score (Max. 40)	Verified API Score
1	B. Tech Students	08	16	16
2	M. Tech Students	02	08	08
4	Ph. D Degree Awarded	00	00	00

24

29. Faculty Development Program Conducted (Minimum of one week duration) Category I & II - 20 min. marks
(Max. Score 20; As convener -10; coordinator- 5; Any other committee member)

S. No	Programme	Duration		Organized By	Role	API Score (Max-20)	Verified API Score
		From	To				
						00	
						00	

30. Faculty Development Program Attended (Minimum of one week duration) (Max. Score 10; 5 / FDP)

S. No	Programme	Duration		Organized By	API Score (Max-10)	Verified API Score
		From	To			
1	one week FDP on " machine learning in big data applications and security challenges"	April 24- 2023	April 29, 2023	organized by CSE Department of MLRIT, Hyderabad.	5	5
2.	one week Faculty Development Program On " assessment,evaluation and preparing question papers' "	22/5/23-	26/5/23.	organized by NITTR-Kolkata,	5	5

10

31. Faculty Development Program or Seminar Attended / Conducted (less than one week duration)
(Max. Score 10; 02 / FDP/Seminar)

S. No	Programme	Duration		Organized By	API Score (Max.10)	Verified API Score
		From	To			
1	"Amazon Web Services'	22nd August 2022	27th August 2022	MLR Institute of Technology in collaboration with brainovision solutions India pvt.ltd & All India Council for Technical Education.	2	02
2	NAAC approved seminars on " Strategies for quality	April 5, 2023	April 6, 2023	IQAC of RMKCET, Chennai.	2	02

	improvement in higher educational institutions"						
3	"SIW Antennas for millimeter wave Applications"	4th June 2023.	4th June 2023.	organized by IETE, Hyderabad Centre	2	02	
4	Latest trends in Electronic warfare and Radar systems (focused on Drone and UAV applications)"	28th May 2023.	28th May 2023.	organized by IETE, Hyderabad Centre	2	02	
5	"Predictive Analytics of Neural Computing based Security Protocol"	14th May 2023	14th May 2023	organized by IETE, Hyderabad Centre	2	02	

32. Invited Lectures and keynote speaker at International/National/ State level Conferences / Seminars / Workshops / Training program
International 10/event; National 5/event; State level 3/event (Max. Score 10)

S.No.	Title of Academic Session	Title of the Conference/ Seminar	Organized By	National/ International/ Regional	API Score (Max. 10)	Verified API Score
1	Special session in the Second on 8-Sep-2022 in the title of Computer Mathematics & Signal processing Applications.	International Conference on Computer Science, Engineering and Applications (ICCSEA-2022) IEEE ICCSEA - 2022	GIET university Odissa,	International	10 <i>Reviewed not considered.</i>	00

33. Completed (this year) /Ongoing Research Projects
(Completed project 30/project; Ongoing 15/project)

S. No	Title of the Project	Funding Agency	Grant Sanctioned	Period		API Score (Max. 30)	Verified API Score
				From	To		
1	Human Position Tracking and Detection using Geometric Active Contours Mapping Algorithm and Connected Component Operators (CCO)	DST-SERB	Rs 16, 45,335	2017	Till <i>ongoing 15</i>	30	15

34. Consultancy Projects On-going / Completed (this Year) Category I & II - 20 min. marks
(API Score: 10 points / every Rs. 1.00 lakh)

S.No	Title	Funding Organization	Amount Funded	National/ International/	API Score	Verified API
------	-------	----------------------	---------------	--------------------------	-----------	--------------

				Regional	(Max. 30)	Score
					00	

35. Number of patents filed/published/granted. Category I & II - 20 min. marks
(Filed- 10/patent; published-20/patent; Granted-30/patent)

S.No	Title	Patent Name	Filed / Awarded	National/ International/ Regional	API Score (Max. 30)	Verified API Score
1.	Screening and tracking of COVID-19 infected persons using face scans" Application no: 202241025410.	indian	Published	international	20	20 ✓
2	"Automatic Solar Based Grass Cutter for Smart Gardening".	indian	Published	international	20	20 ✓
3	An artificial intelligence based smart bus tracking and bus stop alert system for passengers Application no:202241025413.	indian	Published	international	20	20 ✓
						<u>30</u>

36. No. of LOPs (Max Score: 10 Marks)

(Formula: $10 - \frac{x}{2}$ where x is the no. of LOPs from 1 July, 2022 to 30 June, 2023)

No. LOPs	API Score (Max. 10)	Verified API Score
0	10	10

~~0~~
→ 4
2

9

~~8.5~~
~~5.5~~
4.5

~~172.5~~
2

SCORE FOR CRITERIA - IV

S. No	Maximum API Score	API Score Obtained	Remarks
24	(30) 4	75	

25	20	28	
26	10	10	
27	50	00	
28	40	24	
29	20	00	
30	10	10	
31	10	10	
32	10	10	
33	30	00	
34	30	30	
35	30	30	
36	10	10	
TOTAL	300	237	

SUMMARY OF API SCORE

Category	CRITERIA	Last Academic Year	Total API Score for the Assessment period	
			Claimed	Verified
I	TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES (120)	---	117	92
II	CO-CURRICULAR, EXTENSION AND PROFESSION RELATED ACTIVITIES (40)	---	30	10
III	PROFESSION - RELATED CONTRIBUTION (40)	---	40	37
IV	RESEARCH AND RELATED CONTRIBUTIONS (300)	---	237	172.5
	TOTAL	---	424	316.5 316.5

Any other significant contribution not covered in any of the above:

1. ❖ Chief Editor of the journals- for the 3 journal ✓
2. ❖ No. of SCI/ SCOPUS/ WOS/others Journal papers reviewed - 15 ✓
3. ❖ Award- Best faculty award by KMF- 5/9/22 ✓
4. ❖ Best mentor award by Internshala- jan-2023 ✓
5. ❖ MoU made- 1 with BSNL ✓
6. ❖ NPTEL course completed-1 (Accreditation for the under graduate Engineering program) ✓
7. ❖ Course completed- Innovation Ambassador (basic & advance level) ✓
8. ❖ Doctoral committee member for - 4 students for the PhD program
9. ❖ Advisory committee member for -2 conference
10. ❖ Organize an one day event Robotech 2023 on 13/5/23

List of Enclosures:

S.	S.NO of the sub	Details of enclosures

NO	section	
1.	24	Journal publications
2.	25	Conference publications
3.	26	Book chapter "
4.	30	FDP certificates (more than one week)
5.	31	" " (Less than one week)
6.	32	Invited session
7.	33	Research projects
8.	35	Patent published
9.		Other Significant Contributions.
10.		

Signature of the faculty
with designation and date

Comments of HOD

verified.

Signature of HOD

Present
submitted

Comments of IQAC:

For faculty joining after Jan 2022-Completion of EECF certification - YES /NO

Verified by IQAC

Name & Signature - 1

Name & Signature - 2

Signature of the Dean-IQAC

Signature of the Principal

SELF-APPRAISAL OF TEACHING FACULTY

(The details are required from 1 July, 2022 to 30 June, 2023)

(Please attach separate sheets if necessary; include more rows in the tables as per the need)

CONCEPT: Teachers are well familiar with assessment and evaluation of students. Self appraisal helps to figure out what teacher's strengths and weaknesses are. It allows one to take an honest look at oneself. It is a process of self evaluation to determine the level of self-efficiency. It is a part of continuing professional development or career advancement. As per UGC regulations 2010 on minimum qualifications for appointment of teachers and other academic staff in universities and colleges it is mandatory for all universities and colleges to prepare Performance Based Appraisal in the prescribed format.

THE INDIVIDUAL PERFORMANCE BASED APPRAISAL SYSTEM (PBAS)

(Maximum Total Score: 500)

PART A: - GENERAL INFORMATION & ACADEMIC BACKGROUND

1. Name	POTHARAJU YAKAIAH	
2. Department	ELECTRONICS AND COMMUNICATIONS ENGINEERING	
3. Designation	ASSOCIATE PROFESSOR	
4. Area of Specialization	IMAGE PROCESSING	
5. Current Pay band & Grade pay	9.	
6. Date of Joining (This Institution)	18-06-2008	
7. Address for correspondence	H. NO. 2-1-79/A, LAXMA REDDY COLONY, UPPAL 'X' ROAD, UPPAL, MEDCHAL- MALKAJGIRI HYDERABAD-39	Phone No
		9885010188 9492509780
8. Email Id	Potharaju.yakaiah@mlrinstitutions.ac.in	

9. Academic Qualifications (Highest Qualification)					
Degree	College / University	Specialization	Year of Passing	Percentage of Marks	Division
PHD	RAYALASEEMA UNIVERSITY	IMAGE PROCESSING	2023	PERSUING	
10. Total Experience (in years)					
Academic	Industrial	Research (Excluding duration of Ph.D.)	Total		
18	3	-----	21		

PART – B: ACADEMIC PERFORMANCE INDICATORS

CRITERIA I: TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES

(Maximum Total Score: 120)

11. Lectures, Practical, Contact Hours (Semester wise/Annual detail)
(Maximum Score: 40; 100% compliance = 20 points for Course, 10 points for lab)

S. No	Subject Name	Total number of lectures allocated	Number of lectures taken	Self-appraisal Score	Verified API Score
1	Course 1 Digital Image and Video Processing	62	62	20	
2	Course 2 Introduction to Radar Systems	56	56	20	
3	Lab 1 Electronic Devices and Circuits Lab	72	72	10	
4	Lab 2 Analog Circuits Lab	72	72	10	

12. Use of participatory and Innovative teaching learning methodologies (Lecture Notes, Assignment/Quiz, Blooms Taxonomy, Real Time Applications)
(Use of LMS; content updating for each UNIT in LMS) Maximum API Score: 20 (4 Marks per UNIT)

S. No	UNIT	Subject 1	Subject 2	Self-appraisal Score	Verified API Score
1	UNIT-I	4	4	4	
2	UNIT-II	4	4	4	
3	UNIT-III	4	4	4	
4	UNIT-IV	4	4	4	
5	UNIT-V	4	4	4	

13. Implementation of ALS (one activity per UNIT) (Maximum API Score: 15; API Score – 3 Marks/Unit)

S. No	UNIT	Subject 1	Subject 2	Self-appraisal Score	Verified API Score
1	UNIT-I	3	3	3	
2	UNIT-II	3	3	3	
3	UNIT-III	3	3	3	
4	UNIT-IV	3	3	3	
5	UNIT-V	3	3	3	

14. Additional Administrative Duty held (Max. 15 Marks) (7 Marks for duty; 8 Marks for respective report)

S.No	Subject Name		Self Appraisal Score	Verified API Score
1	Duty 1	Department Attendance Incharge	7	
2	Duty 2	Department Tuition Fee Collection	7	
3	Reports Submitted	Yes	No	8

15. Student Feedback (Max. 10 Marks) (5 Marks for 65 – 74.9 %; 7.5 Marks for 75 – 79.9%; 10 Marks for >= 80 %)

S.No	Subject's Name	Feedback in %	Self Appraisal Score	Verified API Score
1	Subject 1: Digital Image Processing	92	10	
2	Subject 2: Introduction to Radar Systems	90	10	
3	Lab 1: EDC Lab	82	10	
4	Lab 2: Analog Circuits Lab	83	10	

16. Result Analysis (Only Theory) (Maximum Score: 20)

(More than 90 % - 20 Marks; 80-89% - 10 Marks; 70-79% - 8 Marks; 60-69% - 7 Marks; 50-59% - 6 Marks; less than 50% - 5 Marks)

S. No	Subject Name	Pass Percentage	Self Appraisal Score	Verified API Score
1	Course 1: Digital Image Processing	90.74	20	
2	Course 2: Introduction to Radar Systems	93.64	20	
3	Course 3: EDC Lab	98.57	20	

SCORE FOR CRITERIA - I

S. No	Maximum API Score	API Score Obtained	Remarks
11	40	40	
12	20	20	
13	15	15	
14	15	15	
15	10	10	
16	20	20	
TOTAL	120	120	

CRITERIA II: CO-CURRICULAR, EXTENSION AND PROFESSION RELATED ACTIVITIES

(Maximum Score: 40)

S. No	Nature of Activity	Maximum Score: 40		
		Max. API Score	Self-appraisal Score	Verified API Score
17.	ICT based instructional material developed through Media Center. (One Module) (Uploaded in the college website / LMS)	10	.....
18.	Coordinator of Co-curricular activities for students such as field studies/educational tours, industry - training / visits / internships / and placement activity. (Each activity 10 Marks)	10	.....
19.	Coordinator of NSS / Sports / NCC / NSO / Yoga / Cultural / Clubs / Competitions / Value added Programs (Each activity 20 Marks) Note: Competitions: winning 20 Marks (First/Second/Third/Cash Prize); Participation 05 Marks (Report to be attached)	20	.....

SCORE FOR CRITERIA - II

S. No	Maximum API Score	API Score Obtained	Remarks
17	10	0	
18	10	0	
19	20	0	
TOTAL	40	0	0

✓

S. No	Maximum API Score	API Score Obtained	Remarks
17	10	0	
18	10	0	
19	20	0	
TOTAL	40	0	

CRITERIA III: PROFESSION – RELATED CONTRIBUTION

(Maximum Score: 40)

S. No	Nature of Activity	Maximum Score		
		Max. API Score	Self-appraisal Score	Verified API Score
20	Institutional Governance responsibilities like, Vice Principal, Dean, Director, Warden, IQAC coordinator and any other membership of institutional committees: a) Vice Principal / Dean / Director b) AO / Warden / Chairperson / IQAC coordinator c) Member of syndicate / Governing council: d) Member of Academic council / Senate: e) Member of other college / university level committees: <i>(Each Role: 5 points)</i>	10		
	Coordinators: a) Subject /Time Table / Exam Branch / Overall Attendance b) NBA/NAAC/JNTUH/NIRF c) Project / Website / LMS / ERP <i>(Each Role: 5 points)</i>		5	✓
21	Participation in Technical associations (Ex. Panelist), conferences without paper presentation. (Each activity: 3 point)	06	....	.....
22	Participation in short term training courses/MOOC/NPTEL in educational technology, curriculum development, professional development, Examination reforms, Institutional governance. (Each activity: 10 points)	20	20	20
23	Membership of professional associations committees, editorial committees of journals / institutional publications. (Each activity: 2 points)	4	....	.....

SCORE FOR CRITERIA – III

S. No	Maximum API Score	API Score Obtained	Remarks
20	10	5	
21	06	.....
22	20	20	
23	04	.....
TOTAL	40	25	(25)

CRITERIA – IV: RESEARCH AND RELATED CONTRIBUTIONS

(Maximum Score: 300)

Category I: Faculty with Ph.D. degree

Category II: Faculty with above Rs 65,000/- salary,

(Minimum marks to be scored – 105 Marks from S.No.24, 25, 29, 34, 35)

24. Published papers in Journals (International Journals, National Journals) – Category I & II - 45 min. marks

(API Score – SCIE/SCI/WoS Indexed: 30 marks/paper; SCOPUS indexed 15 marks/paper; any other paper 5 marks/paper. Main author: full Score, Co-author: Half Score)

S. No	Title of the Paper	Name of the Journal	Online Publication Date	Volume & Issue	DOI No	No of Co-authors	Main author (Y/N)	API Score (Max. 30)	Verified API Score
1									
2									

25. Full Papers in Conference Proceedings (International, National) Category I & II - 10 min. marks

(API Score: Maximum 10/publication as main author, 2/publication as coauthor)

S.No	Title of the Paper	Conference Proceedings	Online Publication Date	DOI No/ISSN	No of Co-authors	Whether you are main author	API Score (Max. 20)	Verified API Score

26. Articles/Chapters published in Books (International publications, National publications)

(API Score for International: 10; National: 5; Main Author: Full Score, Co-author: Half Score)

S. No	Book Chapter Title & Book Title	Online Publication Date	ISBN No	No of Co-authors	Main author (Y/N)	API Score (Max. 10)	Verified API Score

27. Books Published / Edited (International publications, National publications)

API Score – International: (Published :50, Editor: 10)

National: (Published: 25,

Editor: 5)

S.No	Title of the Book	International / National	Publisher	ISBN No	Online Publication Date	API Score (Max. 50)	Verified API Score

28. Research Guidance

(API Score – 2 for B.Tech, 4 for M.Tech, 10 for each Ph. D candidate)

S. No	Student	Number of Students	API Score (Max. 40)	Verified API Score
1	B. Tech Students	8	16	16
2	M. Tech Students	.....	—
4	Ph. D Degree Awarded	.....	—

29. Faculty Development Program Conducted (Minimum of one week duration) Category I & II - 20 min. marks

(Max. Score 20; As convener -10; coordinator- 5; Any other committee member)

S. No	Programme	Duration		Organized By	Role	API Score (Max-20)	Verified API Score
		From	To				

30. Faculty Development Program Attended (Minimum of one week duration) (Max. Score 10; 5 / FDP)

S. No	Programme	Duration		Organized By	API Score (Max-10)	Verified API Score
		From	To			

31. Faculty Development Program or Seminar Attended / Conducted (less than one week duration) (Max. Score 10; 02 / FDP/Seminar)

S. No	Programme	Duration		Organized By	API Score (Max.10)	Verified API Score
		From	To			

32. Invited Lectures and keynote speaker at International/National/ State level Conferences / Seminars / Workshops / Training program

International 10/event; National 5/event; State level 3/event (Max. Score 10)

S.No	Title of Academic Session	Title of the Conference/ Seminar	Organized By	National/ International/ Regional	API Score (Max. 10)	Verified API Score
1	An approach for ultrasound image enhancement using deep convolutional neural network	<u>Advanced Techniques for IoT Applications</u>	EAIT2021	International	10	
2	GPS and GSM based persistent human prosperity noticing and prepared system for cardiovascular patients	AIP Conference proceedings	ICCAM-2021	International	10	
3	Design of an IoT-Enabled Smart Safety Device	<u>2022 International Conference on Advancements in Smart, Secure and Intelligent Computing</u>	<u>ASSIC</u>	International	10	
4	Attendance Monitoring System Using face recognition with an SMS alert	<u>2023 AIP Conference Proceedings</u>	<u>AIP</u>	International	10	
5	<u>Real-time Pothole Detection using YOLOv5</u>	<u>2022 International Conference on Advancements in Smart, Secure and Intelligent Computing</u>	<u>ASSIC</u>	International	10	
6	<u>Deep Learning method for Brain tumor identification with multi model 3D-MRI</u>	<u>2023 AIP Conference Proceedings</u>	<u>AIP</u>	International	10	

Need to check

33. Completed (this year) /Ongoing Research Projects

(Completed project 30/project; Ongoing 15/project)

S. No	Title of the Project	Funding Agency	Grant Sanctioned	Period		API Score (Max. 30)	Verified API Score
				From	To		

34. Consultancy Projects On-going / Completed (this Year) Category I & II - 20 min. marks

(API Score: 10 points / every Rs. 1.00 lakh)

S.No	Title	Funding Organization	Amount Funded	National/ International/ Regional	API Score (Max. 30)	Verified API Score
1	LED BOARDS AND THEFT DETECTORS	Vidya Enterprises	1,70,000.00	Regional	17	NP
2	CCTV NETWORKING	Vidya Enterprises	2,20,000.00	Regional	22	NP

32. Invited Lectures and keynote speaker at International/National/ State level Conferences / Seminars / Workshops / Training program

International 10/event; National 5/event; State level 3/event (Max. Score 10)

S.No	Title of Academic Session	Title of the Conference/ Seminar	Organized By	National/ International/ Regional	API Score (Max. 10)	Verified API Score
1	An approach for ultrasound image enhancement using deep convolutional neural network	<u>Advanced Techniques for IoT Applications</u>	EAIT2021	International	10	
2	GPS and GSM based persistent human prosperity noticing and prepared system for cardiovascular patients	AIP Conference proceedings	ICCAM-2021	International	10	
3	Design of an IoT-Enabled Smart Safety Device	<u>2022 International Conference on Advancements in Smart, Secure and Intelligent Computing</u>	<u>ASSIC</u>	International	10	
4	Attendance Monitoring System Using face recognition with an SMS alert	<u>2023 AIP Conference Proceedings</u>	<u>AIP</u>	International	10	
5	<u>Real-time Pothole Detection using YOLOv5</u>	<u>2022 International Conference on Advancements in Smart, Secure and Intelligent Computing</u>	<u>ASSIC</u>	International	10	
6	<u>Deep Learning method for Brain tumor identification with multi model 3D-MRI</u>	<u>2023 AIP Conference Proceedings</u>	<u>AIP</u>	International	10	

Need to check

33. Completed (this year) /Ongoing Research Projects
(Completed project 30/project; Ongoing 15/project)

S. No	Title of the Project	Funding Agency	Grant Sanctioned	Period		API Score (Max. 30)	Verified API Score
				From	To		

34. Consultancy Projects On-going / Completed (this Year) Category I & II - 20 min. marks
(API Score: 10 points / every Rs. 1.00 lakh)

S.No	Title	Funding Organization	Amount Funded	National/ International/ Regional	API Score (Max. 30)	Verified API Score
1	LED BOARDS AND THEFT DETECTORS	Vidya Enterprises	1,70,000.00	Regional	17	NP
2	CCTV NETWORKING	Vidya Enterprises	2,20,000.00	Regional	22	NP

35. Number of patents filed/published/granted. Category I & II - 20 min. marks
(Filed- 10/patent; published-20/patent; Granted-30/patent)

S.No	Title	Patent Name	Filed / Awarded	National/ International/ Regional	API Score (Max. 30)	Verified API Score

36. No. of LOPs (Max Score: 10 Marks)

(Formula: $10 - \frac{x}{2}$ where x is the no. of LOPs from 1 July, 2022 to 30 June, 2023)

No. LOPs	API Score (Max. 10)	Verified API Score
1	9.5	9.5

SCORE FOR CRITERIA - IV

S. No	Maximum API Score	API Score Obtained	Remarks
24	30	—	
25	20	—	
26	10	—	
27	50	—	
28	40	18	
29	20	—	
30	10	—	
31	10	—	
32	10	—	
33	30	—	
34	30	39	
35	30	—	
36	10	9.5	
TOTAL	300	64.5	

SUMMARY OF API SCORE

Category	CRITERIA	Last Academic Year	Total API Score for the Assessment period	
			Claimed	Verified
I	TEACHING, LEARNING AND EVALUATION RELATED ACTIVITIES (120)	---	120	
II	CO-CURRICULAR, EXTENSION AND PROFESSION RELATED ACTIVITIES (40)	---	0	.....
III	PROFESSION - RELATED CONTRIBUTION (40)	---	25	
IV	RESEARCH AND RELATED CONTRIBUTIONS (300)	---	64.5	
TOTAL		---	209.5	

Any other significant contribution not covered in any of the above

List of Enclosures:

- 1.
- 2.

Signature of the Faculty with designation and date

[Signature] 27.7.2023

Comments of HOD

Signature of HOD

[Signature]

Verified

Proof's not attached.

Comments of IQAC:

For faculty joining after Jan 2022-Completion of EECF certification - YES /NO

Verified by IQAC

Name & Signature - 1

[Signature]

Name & Signature - 2

[Signature]

Signature of the Dean-IQAC

[Signature]

Signature of the Principal

[Signature]

Sl. No.	Activity	Yes	No	Total
I	TEACHING RELATED ACTIVITIES	150	-	150
II	CONFERENTIAL SESSIONS AND WORKSHOPS RELATED ACTIVITIES	0	-	0
III	PROFESSOR - RELATED ACTIVITIES	22	-	22
IV	NON-PROFESSOR RELATED ACTIVITIES	242	-	242
	TOTAL	314	0	314