




# P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

## Faculty Profile

### General

Name	<i>Mahesh Kumar A S</i>	
Designation,	<i>Assistant Professor</i>	
Department & Affiliated Institution	<i>Electronics &amp; Communication, P.E.S College of Engineering, Mandya</i>	
Research Area	<i>Medical Image processing</i>	
Contact Number	<i>+91 9886 282 286</i>	
Email ID	<i>as.mahesh.ec@gmail.com</i>	

### Academic Profile

#### Educational Qualifications

Degree	College	University	Year of Passing	Percentage	Class
Ph. D	SJCE	JSS STU, Mysuru	2017	Pre-thesis completed	
M.Tech	VTU-RC, Mysuru	VTU, Belagavi	2015	76.86	FCD
B.E.	Govt Engg College, Ramanagara	VTU, Belagavi	2013	72.06	FCD

#### Professional Experience

Organization and Department	Designation	Period	Total Experience
PESCE, Mandya	Assistant Professor	08-02-2020 to Till date	4 years, 5 months
NIE, Mysuru & ECE	Assistant Professor	31-07-17 to 07-02-19	1 year, 06 months
MRIT, Mysuru & ECE	Assistant Professor	18-07-16 to 30-06-17	11 months
SVVIT, Bengaluru & ECE	Assistant Professor	01-08-2015 to 01-07-2016	11 months

#### Reports on Academic and Research Activities

##### Academic Activities

Teaching Records (Details of courses taught)	<b>Undergraduate:</b> Information Theory & Coding, Satellite Communication, Analog & Digital Communication, Microprocessors, Principals of Communication Systems, Electronic Instrumentation, Electronics Fundamentals, Digital Electronics and Wireless Networks Sensors & Technologies.
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##### Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>
Pursuing	<i>Nil</i>	<i>Nil</i>	<i>Nil</i>

##### Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
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##### Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	--	20
Conferences/Symposia	02	08

##### Other Important Responsibilities Held in the College

1. Course registration and CIE coordinator.
2. MyGurukul and ERP software coordinator at department level

## **LIST OF PUBLICATIONS**

1. Mahesh Kumar A S "Portrayal Assessment Of Industrial Mechanization Invention Line In The Framework Of Reinforcement Learning" Turkish Online Journal of Qualitative Inquiry (TOJQI), Volume 12, Issue 3, July 2021 : 2780-2790.
2. Mahesh Kumar A S "Imaging Modalities and Parameters in Diagnosis of Rheumatoid Arthritis" International Journal of Grid and Distributed Computing Vol. 13, No. 2, (2020), pp. 1082 – 1089.
3. Mahesh Kumar A S presented paper "Analysis and Classification of Heart Rate from ECG Signal using MATLAB " at IECICN 20 international conference, Easwari Engineering college, Chennai.
4. Mahesh Kumar A S presented paper "An Energy Efficient Multiply Add Core (MAC) for Hardware Accelerators using 32 nm Finfet Technology "at IECICN 20 international conference, Easwari Engineering college, Chennai.
5. Mahesh Kumar A S "Segmentation of Tibia Femoral Bone using Graph cut method and 3D rendering for FEA" International Journal of Information Technology, Springer,DOI:10.1007/s41870-020-00497-7, July 2020.
6. Mahesh Kumar A S "Detection of Rheumatoid Arthritis using Image Processing Techniques "International Journal of Psychosocial Rehabilitation, Scopus index, Vol. 24, Issue02, 2020 ISSN: 1475-7192
7. Mahesh Kumar A S presented paper "Study of different modalities in the detection of Rheumatoid Arthritis",at AICDMB-2020 International Conference,VVCE, Mysore
8. Mahesh Kumar A S presented paper"Detection of Rheumatoid Arthritis uses Image Processing Techniques"at ICRDETMS-2019 international conference, Chennai.
9. Mahesh Kumar A S presented paper "Segmentation of Tibia Femoral Bone using Graph cut method and 3D rendering for FEA"at ICEECCOT-2019 International Conference,GSSSIETW, Mysuru.
10. Mahesh Kumar A S "Implementation of Automatic Gate Control for Railroad Switch and Anti-Collision System using Arduino" International Journal of Recent Technology and Engineering (IJRTE), Scopus index,ISSN: 2277- 3878,Volume-8,Issue-2S11,September2019,Retrieval number:B13640982S111 9/2019©BEIESP, DOI:10.35940/ijrte.B1364.0982S1119.
11. Mahesh Kumar A S " RF Wireless Controlled and Solar powered Multi-Use Agricultural autonomous vehicle" International Journal of Research and Analytical Reviews (IJRAR),E-ISSN 2348-1269, P- ISSN 2349-5138,2019 IJRAR June 2019, Volume 6, Issue 2
12. Mahesh Kumar A S "Discrete wavelet transform technique based satellite image Resolution enhancement" International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138,2019 IJRAR June, 2019, Volume 6,Issue 2
13. Mahesh Kumar A S "Computing Pi and Flight Controller" International Journal of Research and Analytical Reviews (IJRAR) , E-ISSN 2348-1269, P- ISSN 2349-5138, ISSN and UGC Approved, 5.75 Impact factor, published on July-August 2019.
14. Mahesh Kumar A S "Smart helmet and bike analyzer", International Journal of Research and Analytical Reviews (IJRAR). Volume 6, Issue E-ISSN 2348-1269, P- ISSN 2349-5138, 5/11 June 2019.
15. Mahesh Kumar A S "Implementation of Amazon Web Service based smart helmet and bike analyzer" International Journal of Research and Analytical Reviews (IJRAR) , E-ISSN 2348-1269, P- ISSN 2349-5138, ISSN and UGC Approved, 5.75 Impact factor, published on July-August 2019.
16. Mahesh Kumar A S "A Unique Technique for Solid Waste Segregation" International Journal of Trend in Scientific Research and Development (IJTSRD) Volume 3 Issue 5, August 2019 Available Online: www.ijtsrd.com e-ISSN: 2456 – 6470, published on July-August 2019.
17. Mahesh Kumar A S, "FPGA design and simulation of modified modular inverse for Elliptic Curve Cryptography (ECC)" International Journal of Research Science & Management (IJRSM) Vol-2 (6), ISSN: 2349-5197, June 2015.