

FACULTY PROFILE

Name : **RAJSHEKHAR S.
ALLURKAR**



Designation : **Associate Professor**
Department : **Electronics and Instrumentation Engineering**
Employee ID : **1-465655565**
E mail ID : **rsaei@becbgk.edu, allurkarsir@gmail.com**

Contact details : **Department of Electronics & Instrumentation Engineering**
Basaveshwar Engineering College
Bagalkot – 587 103, Karnataka, India

M: +91-9986590894

Vidwan Id : **147913**

Qualification : **M.E.**

Professional Experience

Teaching experience : **27**

Industry experience :

Administrative :

Responsibilities

1. Warden, BEC Hostels for 5 years.
2. BoE coordinator of Electronics and Instrumentation Engg. For 5 years
3. BoE member of Electronics and Instrumentation Engg. Dept of PDA college of Engineering, Kalaburagi

Teaching :

No. of Projects Guided

UG : **25**

Research

Interest Area : **Signal processing**

- Publications** : **Books Published**
- Books/Chapters
- [1] R. S. Allurkar and Renuka Allurkar, *Control Systems*, EBPB, 2004
- [2] R. S. Allurkar and Renuka Allurkar, *Logic Design*, CBS Publishers and Distributors, 2009
- Conferences** :
- [1] R. S. Allurkar, H. K. Verma and S. M. Iddalagi, "Frequency Compression of Speech for the Hearing Impaired: An FBS Approach," *Proceedings of the 7th international conference on signal processing, computational geometry & artificial vision*, Athens, Greece, 2007.
- [2] R. S. Allurkar, H. K. Verma and Shridhar, "Hearing Aids: Then, Now and the Future," *Proceedings of the international conference on innovative technologies and education of the deaf/hard of hearing deafexpo-2007*, Coimbatore, India, 2007.
- [3] R. S. Allurkar, H. K. Verma and Shridhar, "Hearing aid research: issues, current trends and challenges," *Proceedings of the IEEE-international conference ICSIP-2006*, Hubli, India, 2006.
- [4] R. S. Allurkar, H. K. Verma and P. N. Kulkarni, "Hearing aid research: a brief review," *Proceedings of the international symposium FRSM-2006*, Lucknow, India, 2006.
- [5] R. S. Allurkar, S.G. Koolagudi and N. R. Aiholi, "Technical Education: Challenges Ahead and Remedies Within," *Paper presented at AICTE sponsored National seminar on "Technical Education and Challenges in the New Millennium"*, Bagalkot, India, 2001.
- Invited Talks** :
- A talk on "Impact of technology on children" at Akhila Bharata Kannada Sahitya Sammelana held at Kalaburagi on 7th February, 2020.
- Events Organized** :
- 1) Speech and Image Processing, 23rd to 28th July 2007
 - 2) Signal processing & its applications, 9th to 11th October 2006
 - 3) Digital signal processor & its applications, 25th to 30th September 2006
- Conferences/ Symposiums/ Workshops/ Training Programs Attended** :
- 1) NPTEL on line certification course on "Digital Circuits", IIT Kharagpur, online, 12 weeks, September-December 2020
 - 2) Biomedical Signal Acquisition and Analysis, SJCE, Mysuru, online, 2 days, 26th to 27th August 2020
 - 3) Concepts, Methods, Challenges and Future directions in Medical image analysis using Machine learning, SJCE, Mysuru, online, 5 day, 10th to 14th August 2020
 - 4) End to End Innovation, IIT Bombay, 5 day, 19th to 23rd February 2018
 - 5) Faculty Development Programme, IIT Madras, 3 day, 6th to 8th October 2017
 - 6) Management Capacity Enhancement Programme for Administrative Heads of BEC Bagalkot, IIM Bangalore, 3 day, 23rd to 25th January 2017
 - 7) Outcome Based Education, BEC, Bagalkot, 1 day, 18.12.2015
 - 8) Dynamics & Control in State-Space(DCSS_14), IIT Bombay, 5 day, 19th to 23rd May 2014
 - 9) Effective Leadership for Excellence, International Academy for Competency Enhancement, Bengaluru, 2 day, 6th to 7th February 2014

- 10) Workshop on Signals and Systems, B.V.B. College of Engineering, Hubli, 2 week, 16th to 28th December 2013
- 11) Analysis and Design of Classical Control Systems-ADOCS-13, IIT Bombay, 5 day, 11th to 14th November 2013
- 12) Advanced Digital Signal Processing, Rajarshi Shahu College of Engineering, Pune-33, 2 day, 3rd to 4th August 2013
- 13) Advanced Control System Engineering, Raajdhani Engineering College, Bhubaneswar, 1 Week, 17th to 22nd June 2013
- 14) Mathematical Modelling and Analysis of Systems, Government Engineering College, Thrissur, 1Week, 10th to 14th June 2013
- 15) Implementation of Signal Processing Algorithms using FPGAs, Basaveshwar Engineering College, Bagalkot, 3 day, 23rd to 25th May 2013
- 16) Control Systems, IIT Bombay, 1 Week, 3rd to 7th December 2012
- 17) Intelligent Instrumentation and Robotics, Basaveshwar Engineering College, Bagalkot, 1 Week, 26th to 30th March 2012
- 18) MATLAB-Applications in Speech and Hearing, Manipal College of Allied Health Sciences, Manipal, 1 Week, 22nd & 26th March 2011
- 19) Mission10X workshop, Basaveshwar Engineering College, Bagalkot, 1 Week, 2nd to 6th August 2010
- 20) Soft Computing Approaches to Image Processing and Pattern Recognition, Basaveshwar Engineering College, Bagalkot, 1 Week, 20th to 24th March 2010
- 21) Rehabilitation Engineering, Sri Jayachamarajendra College of Engineering, Mysore, 2 Day, 20th to 21st December 2008
- 22) Workshop on Speech and Image Processing (WISP-2008), International Institute Information Technology, Hyderabad, 1 Day, 13th December 2008
- 23) Signal Processing, Infosys Technologies Ltd., Mysore, 1 Week, 30th June to 4th July 2008
- 24) Modelling and Simulation using MATLAB-Simulink for Electrical Engineers, Basaveshwar Engineering College, Bagalkot, 2 Day, 22nd to 23rd March 2008
- 25) Basics of Wavelets and Applications, Basaveshwar Engineering College, Bagalkot, 3 Day, 13th to 15th March 2008
- 26) Workshop on Speech and Image Processing (WISP-2007), IIT, Guwahati, 2 Day, 28th to 29th December 2007
- 27) Vision, Graphics and Image Processing, IIT, Roorkee, 1 Week, 6th to 10th July 2007
- 28) Image and Video Processing, IIT, Kharagpur, 2 Weeks, 19th February to 2nd March 2007
- 29) MATLAB, National Institute of Technical Teachers' Training and research, Chandigarh, 1 Week, 29th January to 2nd February 2007
- 30) SCADA and PLCs for Industrial Automation, Basaveshwar Engineering College, Bagalkot, 3 Day, 21st to 23rd December 2006
- 31) Modern Sensors and their Applications, Basaveshwar Engineering College, Bagalkot, 2 Day, 17th to 18th November 2006
- 32) MATLAB Programming for Electrical and Electronics Engineers, Basaveshwar Engineering College, Bagalkot, 1 Day, 16th October 2006
- 33) Counselling Techniques, Basaveshwar Engineering College, Bagalkot,

1 Day, 25th August 2006

- 34) Advances in Signal Processing, MBE Society's College of Engineering,
Ambajogai, 2 Weeks, 3rd to 15th July 2006
- 35) Computer Applications in Power Systems, Control Systems and Networks, R.V.R. and J.C. College of Engineering, Guntur, 2 Weeks, 15th to 29th March 2004
- 36) C# &.NET, Basaveshwar Engineering College, Bagalkot, 1 Week, 1st to 6th June 2006
- 37) Embedded Systems(FPGA) & Virtual Instrumentation, PDA College of Engineering, Gulbarga, 2 Day, 19th to 20th October 2005
- 38) Computer Applications in Power Systems, Control Systems and Networks, RVR & JC College of Engineering, Guntur, 2 Weeks, 15th to 29th March 2004
- 39) Applications of Signal Processing, Sri Jayachamarajendra College of Engineering, Mysore, 2 Weeks, 18th to 30th August 2003
- 40) Wavelets and Applications in DSP, N.S.S. College of Engineering, Palakkad, 2 Weeks, 14th to 27th July 2003
- 41) Advanced DSP Processors, Viswakarma Institute of Technology, Pune, 1 Week, 23rd to 28th June 2003
- 42) Processing of Composite Materials, Basaveshwar Engineering College, Bagalkot, 2 Weeks, 26th August to 7th September 2002
- 43) Technical Education and Challenges in the New Millennium, Basaveshwar Engineering College, Bagalkot, 2 Day, 3rd to 4th November 2001
- 44) Recent Trends in Renewable Energy Sources, Basaveshwar Engineering College, Bagalkot, 2 Weeks, 3rd to 15th September 2001