

	Name	Dr Srinivasa Baba V S S N
	Designation	Professor & Head
	Qualification	Ph.D.
	Professional Exp.	29 Years
	Research Interests	Microwave Communications

DETAILS OF EXPERIENCE

Designation	Organization	Period	Duration
Professor	ACE Engineering College, Ghatkesar(M), R.R.Dist.	Jan 2014 to Till date	3 ^{1/2} Years
Director -Operation	Navanidhi Electronics Pvt. Ltd., Nacharam, Hyderabad	July' 2011 to Jan 2014	3 Years
General Manager	Prithvi Info Solutions, High Tech City, Hyderabad	May' 2008 to June' 2011	3 Years
Professor	AU College of Engineering Andhra University. Visakhapatnam	Oct 2005 to May 2008	3 Years
Professor	GITAM University Visakhapatnam	Dec 1988 to Oct' 2005	17 Years

Professional Synopsis

- Overall 29 years of experience with specialization in Teaching & Research , Design & Deployment, Projects and Operation & Maintenance, Product Development, Deployment and QA.
- Director – Navanidhi Electronics Pvt. Ltd. – Engaged in Design Development and Manufacturing of Electronic Systems, Sub systems for Indian Defence and domestic Projects.
- 24 years experience in teaching and Mentoring
- 5 Years Experience in Industry – RF , Mobile & Telecom and Electronic Product Development.
- 18 Years of Research experience
- 14 Years Senior Management experience
- Member Board of Studies in ECE , Andhra University from 1996 to 2008
- Member Board of Studies in EIE , Andhra University from 1999 to 2008
- Member Board of Studies in Bio Medical Engineering – M.Tech , Andhra University from 2002 to 2008
- Ph.D Thesis Title "INTENSIVE INVESTIGATIONS ON WIDE SLOTS AND WAVEGUIDE JUNCTIONS" , AU College of Engineering, Andhra University, Visakhapatnam, Under the supervision of Prof. G S N Raju, Present Vice- Chancellor of Andhra University, Visakhapatnam
- Guided One Ph.D Candidate successfully of JNTU in the field of Electromagnetic Interference & Compatibility in the year 2010.
- Guided more than 40 M.Tech thesis dissertations
- Responsible for the NBA Accreditation in GITAM College of Engineering.
- Designed & Developed MIL standard Electronic products for Indian defense and Defense Public Sector Units
- Completed one Defense project on "Extremely Low Frequency Emission Sensors"
- Published 25 Research Publications in International and national Journals/Conferences/Seminars
- Participated in 25 Workshops/Conferences/Seminars in India and abroad

- Co-Convener for the International Conference on Bio-medical Electronics and Telecommunications(BET-04), Conducted by AU College of Engineering Visakhapatnam 9-10 Dec 2004
- Convener for the National Seminar on State of Art Technologies in Information, Communication and Entertainment (SAT-03), Conducted by IETE, Sept.2003
- Co-Convener for the National Conference on Advanced Communications and Electronics (ACT-06), Conducted by AU College of Engineering Visakhapatnam 9-10 Dec 2006
- Coordinator of Examinations , Andhra University, Visakhapatnam
- Convener of AU college of Engineering , Andhra University Research Forum from April 2007
- Dean of Examinations (Autonomous Examinations) College of Engineering GITAM Since 1 Sept. 2004 to 4-10-2006.
- Hon. Secretary, IETE Visakhapatnam center – 4 years.
- Hon. Secretary, SEMCE (I) Visakhapatnam center – 6 years
- Extensive Experience in Teaching & Research , Design, Development, Deployment, Architecture, Professional Services, Complex negotiations and Vendor Management, Tender/Bid Management, Research, Pre Sales
- Built Organizations from scratch; built 650 RF resources for telecommunications Mobile for RF planning, Deployment, O&M departments.
- Participated in Tenders worth more than US \$1.0 Bn in India
- Worked with ALL Telecom OEM Vendors and ALL Mobile Operators in India
- A dynamic leader with exceptional communication, relationship management, analytical and co-ordination skills, and proven ability to motivate a large number of people under pressure & bring out the best in a competitive environment.

Academic Credentials

- **Ph.D**(Microwave Communications Specialization) from Andhra University, Visakhapatnam, Jul. 2001
- **M.S.** (Radar Signal Processing Specialization) from JNT University, Hyderabad, Dec.1993
- **B.E.** (Electronics & Communication) from Andhra University, Visakhapatnam , April 1988.

Memberships in Professional Societies

- Member of Institute of Electrical Electronics Engineers (**MIEEE**), USA.
- Life Fellow of Institute of Electronics & Telecommunication Engineers (**FIETE**), New Delhi.
- Life Member of Society of Electromagnetic Compatibility Engineers, India (**LMSEMCE (I)**).
- Life Member of Bio-Medical Engineering Society, India (**LMBMES**)
- Life Member of Indian Society For Technical Education (**LM ISTE**)

List of Publications

Journal Publications (National / International)

Sl.no	Title with page nos.	Journal
1	"Admittance characteristics of wide longitudinal slots in rectangular waveguides", vol-45, no. 1, pp.21-25.jan.feb. 1999.	IETE, journal of research India
2	Analysis of broad slot coupled h-plane tee junction, no. 1, april 1999	Jornal of emc, India
3	Analysis displaced slot coupled h-plane tee junction, vol.no. 77 n ^o 6, pp. 43-60, 2004	Amse periodicals, france, modeling – a , France
4	Analysis of shielding effectiveness of single, double and laminated shields for oblique incidence of em waves, vol. 22, pp 187-202, 2010	Progress in electromagnetic research - pier -b,USA
5	Shielding effectiveness of single shields of conductive polymers – a case study, vol.90, pp 26-29., july 2009,	Springer journal of the institution of engineers (India): series b
6	Shielding effectiveness of laminated shields, vol.17,no.4, pp. 30-34.	Journal of radio engineering, december, 2008, brno university, czech public,
7	Electromagnetic interference (emi) analysis for oblique Incidence of em waves in double	International journal of electronics and communication engineering

	Shields, volume 6, issue 11, nov 2015, pp. 01-09	& technology (ijecet)
8	Admittance characteristics of inclined slot coupled waveguide shunt tee with non-Standard waveguides, volume 5, issue 11, pp 51 – 54, nov 2015,	International journal of emerging technology & advanced engg. (ijetae)
9	Shielding effect analysis of em waves for oblique incidence in double shields, volume 10, issue 6, ver. Ii (nov - dec .2015), pp 36-39	International organization of scientific research (iosr) – journal of electronics and communications (iosr-jece)
10	Analysis of admittance characteristics of unconventional slot coupled waveguide tee junctions , volume 4 , issue 5, dec.2015, pp. , december 2015	International journal of advanced computer technology (ijact)
11	Array of slot coupled h-plane tee junctions in non-standard rectangular waveguide , volume. 4, issue. 11 , november - 2015, pp. 452-455	International journal of engineering research & technology (ijert)
12	Analysis of vswr and coupling of a longitudinal slot coupled shunt tee junction for non-standard rectangular waveguide”, volume 2 ~ issue 12 (2015) pp: 01-05,	Journal of electronics and communication engineering research (jecer – quest journals)
13	“admittance analysis of longitudinal slot coupled shunt tee junction for non-standard rectangular waveguide”, , volume.4.issue.11.,november-2015,pp.2794-2797.,	International journal of advanced research in electronics and communication engineering (ijarece)
14	“admittance loading of dielectric loaded inclined slots in the narrow wall of a h-plane tee junction”, , nov 2015	International journal of research in computer and communication technology (ijrcct)
15	“studies on dielectric loaded slot coupled waveguide h-plane tee Junctions” (accepted)	Journal of electronics and communication engineering research (jecer- quest)journal,
16	“studies on effect of waveguide dimensions on resonant frequency of shunt tee junction”, , - (accepted)	International organization of scientific research (iosr) – journal of electronics and communications (iosr-jece)
17	“design of arrays using twisted arm slot coupled wave guide junctions ”, (communicated)scopus	International journal of electronics and telecommunications-poland, jet@tele.pw.edu.p,
18	“effect of dielectric on admittance parameter in dielectric loaded secondary of a h plane tee junction” (communicated) - springer	Springer- wireless personal communication journal
19	“generation of asymmetrical difference patterns from continuous line source to reduce emi for marine applications”, communicated iosr journal	International organization of scientific research (iosr) – journal of electronics and communications (iosr-jece)
20	“SAR reduction in the modelled human Head for the mobile phone using different Material shields”	<i>Hum. Cent. Comput. Inf. Sci. (2016) 6:3</i>

Conference Publications (National / International)

Sl. No.	Title with page nos.	Details of Conference Publication	Place
1	Effect of Waveguide dimensions and Slot Parameters on Admittance Characteristics”, Dec. 1996, New Delhi.	Proc. Of Asia Pacific Microwave Conference, APMC International conference,	New Delhi
2	Some Investigations on the Admittance Characteristics of I- Slot in a Rectangular Waveguide”, Dec. 18-19, 2003, Chennai.	Proc. Of International Conference on Electromagnetic Interference and Compatibility,	Chennai
3	Influence of Slot Thickness on the Admittance Characteristics”, held from 18 th to 22 nd December 2006 organized by International Centre for Radio Science at Jodhpur.	Proc of 3 rd International Conference on “Microwaves, Antennas, Propagation and Remote Sensing”	Jodhpur

4	Studies on the Effect of Slot Displacement on Coupling", held from 22 nd to 26 th July 2007, Ottawa, ON , Canada	Proc. of URSI 2007, North American Radio Science Meeting,	Ottawa Canada
5	Some Investigation on Shielding Effectiveness of Double Shields against EM Fields", , AU Visakhapatnam Dec 2004	Proc. of International Conference on Bio-medical Electronics and Telecommunications(BET-04)	Andhra University Visakhapatnam
6	Some Aspects of Secure Electronic Transactions (SET) , Secure Socket Layer (SSL) Techniques in e- Commerce", Feb. 10-15, 2001, Allahabad.	International Conference on Information Technology , Peoples development & Culture, University of Allahabad.	IETE
7	Some studies on Shielding Effectiveness of Shields for EMI control", , Visakhapatnam Sept. 2003	Proc of Seminar on State of Art Technologies (SAT-03),IETE	Andhra University
8	"Effect of Longitudinal slot width on admittance loading"	Proc. Of Seminar on State of the Art in EMI/EMC & Future trends, 6-8 March 1996 LRDE Bangalore	LRDE Bangalore
9	Some Investigations on Shielding effectiveness of double shields of Conductive Polymers Against EM fields", held during 03-07, January 2007 IETE march 2007	Proc. of the International Conference on Systemics, Cybernetics and Informatics ICSCI-2007	IETE Hyderabad
10	"A case study on the measurement of Shielding effectiveness of laminated shields." Nov 2008, Bangalore, India	IEEE Conference Proceedings INCEMIC - 08 Organized by Society of EMC Engineers. Nov 2008, Bangalore, India	Bangalore
11	"Some investigations on Shielding effectiveness of Double shields of conductive polymers against EM fields"	Proc. Of the International Conference on Systemics, Cybernetics and Informatics (ICSCI-07) (Won Best paper award) Jan, 2007 Pentagram Research Institute, Hyderabad.	Hyderabad
12	"Comparison of Shielding Effectiveness of Single and Double shields against EM Fields"	ETICT 2008 Organized by R&D Department, GITAM University , Visakhapatnam, Dec, 2008	GITAM University Vizag
14	Studies on VSWR and Coupling of a Dielectric Loaded Shunt Tee Junction	4 th International Conference on Communications , Signal Processing Computing and Information Technologies ICCSPCIT- 2015, 18-19 Dec 2015	ISDN MRCE
15	Some Good Quinquenary Sequences", Proc. Of NASMOTECs, Feb.1995, Andhra Univ., Visakhapatnam.	Proc. Of NASMOTECs,	Andhra University
16	Curriculum Development in ECE", conducted by GITAM engineering College, 1995 Visakhapatnam	Proc. Of the Workshop on Curriculum Development	GITAM University
17	Effect of Digital phase Shifters on Radiation Patterns", Feb.1995, Andhra Univ., Visakhapatnam	Proc. Of NASMOTECs,	Andhra University
18	Re-Entry Phase of Ballistic Missile Tracking Estimation using Extended Kalman Filtering	4 th International Conference on Communications , Signal Processing Computing and Information Technologies ICCSPCIT- 2015, 18-19 Dec 2015	ISDN

List of Work shops/ Short-term Courses/ Conferences / Seminars / Attended

S. No	Name of the Conference /Short Term Course/ Work Shop	Organization Conducting	Place & Year
1	Short-term Course on EMI/EMC	E&ECE Dept. IIT Kharagpur.	Kharagpur May 1996
2	Asia Pacific Microwave Conference APME-96	IEEE	New Delhi Dec. 1996
3	Short Term Course On OWARE & REDCELL	Dorado Software	Folsom, CA, USA July 2001
4	Short-term Course on EMI/EMC	E&ECE Dept. IIT Kharagpur.	Kharagpur July 1998
5	Seminar on EMI/EMC and its future trends	LRDE	Bangalore Mar. 1996
6	INCEMIC-2003	SEMCE(I)	Chennai Dec. 2003
7	Work Shop on Advanced Microprocessors & PC Based Instrumentation	ECE Dept. GITAM	Visakhapatnam Aug. 1998
8	PADS	College of Engg. GITAM	Vizag May 1995
9	Curriculum Development in Technical Education	College of Engg. GITAM	Vizag Feb.1993
10	NASMOTECs-95	A.U. Engg. College	Visakhapatnam Feb. 1995
11	FARE-96	A.U. Engg. College	Visakhapatnam Mar. 1996
12	FACT-2k	A.U. Engg. College	Visakhapatnam Feb. 2000
13	SAT-03	IETE	Visakhapatnam center 2003
14	BET 04	A.U. Engg. College	Visakhapatnam Dec. 2004
15	NCBME	GITAM	Visakhapatnam Dec. 2004
16	RACE-05	SRKR Bhimavaram	Bhimavaram 2005
17	ACT-06	Dept. of ECE, AU College of Engineering	Visakhapatnam
18	Jodhpur	Dept. of ECE, AU College of Engineering	Visakhapatnam
19	IETE -07	IETE & Dept. of ECE, AU College of Engineering	Visakhapatnam
20	PESHA	Dept. of ECE, AU College of Engineering	Visakhapatnam
21	ITI Training	Dept. of ECE, AU College of Engineering	Visakhapatnam
22	TDP Remedial class	Dept. of ECE, AU College of Engineering	Visakhapatnam
23	Advanced Electromagnetic Work	Dept. of ECE, AU College	Visakhapatnam

	shop	of Engineering	
24	TDP Aruku	Dept. of ECE, AU College of Engineering	ARUKU
25	URSI	Radio Science International	Canada
26	HAL, Hyderabad	CEMILAC & RCMA	Hyderabad
27	ACE Engg College	Big Data	Hyderabad
28	ACE Engg College	Digital Communications	Hyderabad

July '11 – Jan 14 with Navanidhi Electronics Pvt. Ltd, based in Hyderabad (www.navanidhi.com) as DIRECTOR.

Navanidhi Electronics is a 29 year old company involved in Design, Development and manufacturing of Electronic Products to Indian defense.

Reporting directly to Managing Director – Global Service Delivery, Team Size - 25

Projects:

- ❖ BEL –Power Amplifiers ,Jammers –All Band from 20 MHz to 6 GHz, Powers Upto 500 Watts
- ❖ DRDO – Antennas, Sensors – Telemetry , Telecommand and GPS
- ❖ HAL – Airborne Power Amplifiers -
- ❖ ECIL – U/V Digital Filters, Diplexers, Dipole Antennas
- ❖ BDL – S- Band Antenna

Core Competencies:

- Design & Development
- Project Planning
- Project Execution
- Project Co-ordination
- Resource Management
- Material Management
- Customer Management
- Vendor Management
- Risk Management
- Cost Management
- Database Management

Job Profile:

Profile demands 360° view of customer cycle management. The profile demands in pre-sales, solution designing, techno-commercial contributions for customers.

Key responsibilities include:

- Identifying exact requirements of the Project and stakeholders
- Developing Project management plan, defining scope and activities
- Estimating the resources required and duration of activities
- Preparation of technical bid for submission to customer
- Identifying the skills required and acquiring the resource
- Determining the risks and plan for responses
- Creating a list of deliverables and getting them completed by the team
- Understanding training requirements of the team members and getting them trained
- Experience in coordinating, negotiating and motivating vendors and off-shore resources in support of timeline and Project deliverables
- Conducting status meetings and updating stakeholders about the progress of Project
- Budget Tracking / Monitoring of costs towards effective implementation of Project
- Monitoring the Project and controlling changes
- Closing the Project and taking final sign off
- Submission of Cost Analysis Report to the Vice president after execution of the project

Project:

Network Rollout, EVDO Integration & Deployment for UNINAR, AIRCEL, Ericsson

Role & Responsibilities:

RF Head – Team Size 650 RF Engineers

- Mobile telecom Network Planning, Deployment, Installation, Optimization , operations & Maintenance
- Build, Manage and Appraise RF teams to provide Core RF Telecom Engineering Solutions to all OEM Vendors in India (Ericsson, NSN, ALU, Huawei, ZTE and others)
- Responsible for Delivery of all RF Projects PAN India – P & L
- Responsible for Radio Network design and planning of new site surveys from both the Coverage and Capacity aspects.
- Involved in Nominal Planning and Link Budgeting of 3G sites.
- Analysis of RCSP and E_c / O prediction plots for the towns planned for 3g rollout.
- Network dimensioning for coverage & capacity with Macro/Micro/PICO cell solutions.
- Responsible for Frequency, BSIC, HSN and LAC Planning of Both Macro and Micro sites.
- Co-ordination with OSS team for business objects definition and NPAR report generation.
- Analyzing daily reports to check network performance and resolving the issues related to Cells contributing to bad KPIs.
- Coordinating DT Team for site Audits and Troubleshooting for problematic sites.
- Providing Recommendation about network modification to improve the Network Performance.
- Optimizing and fine tuning the network based on drive test data and prediction through planning tools.
- Network Planning Using ASSET
- Network RF Surveys, Deployment
- Optimization Using the Drive Test Tools like TEMS
- Optimization using Actix
- Coordination for TEC Drive tests, call tests and Report Preparation.
- Coordination for ICR testing
- Preparation of the Cluster optimization reports based on the analysis made from post processing of cluster drive logs on regular basis and presenting it to the customer .The optimization report primarily focus on providing remarks and recommendations on Coverage , Quality issues and failure events existing in the problematic areas.
- Post processing the Static and Dynamic EDGE drive test files and observing important KPIS like Mean and Peak Throughputs and PDP context activation Delay etc.
- Preparation and submission of Final cluster acceptance reports to the customer.
- Designed automated practices to track all aspects of the TES business, from Pre-sales stage,
 - o all the way to invoicing & collections.
- Lead teams to bid and follow through for Telecom Tenders by BSNL, MTNL and other
 - o International Operators
- Establish successful partnerships with Product and Software vendors in order to pitch in
 - o holistic solutions to Telco's
- Participate in Industry events like GITEK, Convergence, ITU, DefExpo, etc.
- Actively lead the Telecom Engineering Services initiatives and events for the company
-
- Interface between Verizon Wireless & Lucent Technologies Wireless for end-end project implementation.
- Mutual acceptance of the schedule for Phase I, Phase II & Phase III Deployment, Rollout, CDMA3G1XEVD0 Integration, Deployment & Testing of around 2100 cell sites, Carrier- Add's & URCM upgrades of around 600 sites.
- Preparation of Budget & Procurement schedule's requirements.
- Agreement of standard deliverables Key Performance Indices (KPI) for both voice and data with Lucent.
- Scheduling of Network Deployment, Rollout, Carrier-adds, URCM upgrades, CDMA3G1XEVD0 Deployment, Integration, Testing, Cell swing & Rehomng.
- Preparing, Ensuring implementation & Verification of Method of Procedures (Mop's) for Voice (Deployment, Rollout, Carrier-adds, URCM upgrades) & Data (CDMA3G1XEVD0 Cell swings, Rehomng's, FTP Upload & Download, HTTP Download) Testing procedures.
- Scheduling work & financial approval for RF Planning Engineer's, System Performance Engineer's, Cell Technicians and Sub-contactors.
- Implementing procurement schedules along with finalization of equipment/ material specifications, tendering to Verizon's requirements.
- Submission of weekly periodic reports on project progress to Verizon Senior Management.

- Effective coordination with Lucent's Equipment Delivery Manager, Warehouse Manager & Verizon's Network Head, Real estate Manager, Warehouse Manager & Switch Manager ensuring smooth delivery of the project.
- Implementing measures to maintain and meet quality standards and specifications.
- Successful Voice Deployment, Rollout, EVDO Integration & Deployment achieved well within budget constraints & time lines within agreed KPI's.

Achievements:

- Had the privilege to manage & successfully implement 2nd EVDO deployment for Systama syam and UNINAR
- Managed and successfully implemented the project fulfilling all the client requirements well before the deadline.

Domains/Technology Supported:

- ✓ GSM, CDMA, EvDo, 3G, IBS, WiMax/4G, LTE
- ✓ Core Telecom, Managed Services, NMS/OSS, VAS
- ✓ Solutions in RF Engineering, Infrastructure Services, Telecom Installation services
- ✓ NOC and TOC services

Oct '05 – Jul '08 With Andhra University as Professor of Electronics & Communications

Role & Responsibilities:

- Research - Completed one Defense project on "Extremely Low Frequency Emission Sensors"
- Guided One Ph.D Candidate under research program of JNTU in the field of Electromagnetic Interference & Compatibility. Work is in progress. Published more than 8 Research papers in the field of Electromagnetic Interference.
- Teaching – B.E., M.Tech., Ph.D in Andhra University College of Engineering
- Member , ECE Department – TEQIP,
- Administration- Convenor , Research Forum, Coordinator of Examinations
- Member BOS in ECE, EIE and Bio-Medical Engineering, AU College of Engineering, Andhra University, Visahapatnam
- Head , Competency Development cell for B.E (ECE) - to make the students industry ready

Dec'88 – Oct'05 With GITAM UNIVERSITY as Professor of Electronics & Communications

Role & Responsibilities:

- Research
- Teaching
- Administration- **Dean of Examination** - Entirely Responsible for the Conducting of the examinations and declaring the results.

International Conferences and Seminars Organized

1. Convener for the **International Conference on Bio-medical Electronics and Telecommunications(BET-04)**, Conducted by AU College of Engineering Visakhapatnam 9-10 Dec 2004
2. Convener for the **National Seminar on State of Art Technologies in Information, Communication and Entertainment (SAT-03)**, Conducted by IETE, Sept.2003, Visakhapatnam.
3. Convener for the **Students National Seminar on Advanced Communications, (SOAC-02) Conducted by IETE**, Sept.2003, Visakhapatnam
4. Coordinator for **Tribal Development Program to to "Teach Numbers and Simple Calculations to Tribals"** at Aruku Valley from 6-8 , June 2007 Conducted by Dept. of ECE, AU college of Engineering , Sponsored by TEQIP
5. Convener for the **National Conference on Advanced Communications and Electronics (ACT-06)**, Conducted by AU College of Engineering Visakhapatnam 9-10 Dec 2006

Administrative Experience :

- **Coordinator of Examinations**, Andhra University, Visakhapatnam since 23-05-07 to 1st May 2008
- **Convener of AU college of Engineering , Andhra University Research Forum** from April 2007
- **Dean of Examinations (Autonomous Examinations) College of Engineering GITAM** Since 1 Sept. 2004 to 4-10-2006. Entirely Responsible for the Conducting of the examinations and declaring the results.

- In charge of Communication & Microwave Engineering Laboratories.
- Chief Superintendent for B.E Examinations of Andhra University, College of Engineering, GITAM Center.
- **Hon. Secretary, IETE Visakhapatnam center** – 4 years.
- **Hon. Secretary, SEMCE (I) Visakhapatnam center** – 6 years

Handled more than 15 subjects.

Participated in the community services.

Engaging other appropriate continuing Education Programs

Station : Hyderabad