

PROFORMA FOR TEACHING STAFF PROFILE



- 1. Name** : Dr BHIMA PRABHAKARA RAO
- 2. Designation** : Vice Principal & Professor of ECE
- 3. Department** : Dept of Electronics & Communication Engg
- 4. Date of Birth** : 25th August 1955
- 5. Date of Joining JNTU Service** : 26th July 1982
- 6. Residential Address** : Flat No D2, Swapna Soudha Heights
SriNagar, KAKINADA
- 7. Phone / Mobile No.s** : RES: 0884-2349344, 0884-3205599
OFF: 00884-2300827, 0884-3203636
Cell: 9848451465
- 8. Mail ID** : drbpr@rediffmail.com
- 9. Blood Group** : B (Positive)
- 10. Qualifications** : M.Tech, Ph.D.,
- 11. Experience** :
- a) Teaching** : 27 years
- b) R &D** : 19 Years (Research)
- c) Industrial** : 8 months

- 12. Field of Specialization** : **Signal Processing & Communications**
- 13. Subjects Of Interest (teaching)** : **Wireless Communications, Optical Communications, Microwave Communications, Satellite Communications**
- 14. No Of Scholars**
- a) Awarded with PhD** : **3**
- b) Working for Ph.D** : **12**
- 15. No Of M.Tech Project guided** : **80**
- 16. Awards Received** : **Nil**
- 17 Titles of Books authored** : **Networks, Signals & systems for JNTU, Hyderabad**
- 18. Membership of Professional Bodies** : **FIE, FIETE, MISTE, MIEEE**
- 19. Member Curriculum Development** : **BOS Chairman for JNTU, Hyderabad, Member of BOS for JNTUCE Anantapur Kakinada & Hyderabad**
- 20. Any Other Distinctions** : **Completed 2 AICTE Projects for 8.00 Lakhs each**

21. No Of Conferences/Workshops

Organized as Coordinator/

Chairman : 7

(Enclose List)

22. Publications (Enclose the list in

the given Order)

I. Journals

a) National : 3

b) International : 11

II. Conferences

a) National : 29

b) International : 27

23. Course /Conferences attended

(Enclose List)

a) Refresher Courses : 9

b) Orientation Courses : NIL

**c) Conferences /Seminars
/workshops : 13**

24. R&D Projects : NIL

25. Countries Visited on Academic Activity : St.Louis, Missouri, USA

ANNEXURE- 1

INDUSTRIAL EXPERIENCE:

1. Developed "**Fabrication of Penning gauge set point process controller**" at Hind High Vacuum and Co., (Pvt.), Ltd., Bangalore during the period from 5th May 1980 to 4th June'1980.
2. Designed "**Microprocessor based system**" at HAL, Hyderabad during the period 20th May'87 to 31st August'1987.

Annexure - 2

Teaching Experience at UG Level : **26** years and Guided about 70 B.Tech projects

Subjects taught:

Subject:	Practical
Electronic Devices	Electronics Devices lab
Electronic Circuits	Electronic Circuits lab
Linear Systems	Networks lab
Communication Theory	Pulse and Digital circuits lab
Communication Systems	Integrated Circuits Analysis and Design Lab
Analog Communications	Analog Communications Lab
Line Communication Engineering	Digital Communication lab
T.V. Engineering	Microwave Engineering lab
Microwave Engineering	Microwave and Optical Communication lab
Antennas and Wave Propagation	
Transmission lines	
Optical Communication	
Advanced Communications	
Optimization Techniques	
Digital Signal Processing	
Electronics Engineering	
Probability Random Variables	
Satellite Communications	
Cellular & Mobile Communications	
RF and Microwave Engineering	

Annexure-3

Teaching Experience at PG level: **16** years and Guided about 80 M.Tech projects

Subjects taught:

Subject:	Practical
Digital Signal Processing	Optical Communication Lab
Probability and Random Variables, Stochastic process and Linear Estimation,	Advanced Communication Lab
Instrumentation systems and telemetry	
Linear and non-linear control systems	
Optical Communication and Optical Networks	
Cellular and Mobile Communications	
Telemetry	
Fiber Optic Sensors & Instrumentation	
Wireless Communications & Networks	

Short-term Courses Attended:

S. No.	Name of the Institution	Title of the Course	From	To
1.	I.I.Sc. Bangalore	Microcomputer Design	05-09-1983	08-10-1983
2.	I.I.Sc. Bangalore	Optical Wave Guides and Guided Wave Devices for Communication	18-02-1985	02-03-1985
3.	Osmania University, Hyderabad	Wave Digital Filters Theory and Practice	07-01-1986	09-01-1986
4.	I.S.T.E. Chapter JNTU College of Engineering, Anantapur.	Computer Software	21-01-1993	17-02-1993

5.	I.S.T.E. Chapter JNTU College of Engineering, Anantapur.	Signals and Systems	09-05-1994	21-05-1994
6.	I.S.T.E. Chapter JNTU College of Engineering, Anantapur.	C Language	01-07-1994	30-07-1994
7.	I.S.T.E. Chapter JNTU College of Engineering, Anantapur.	Operational Research	08-03-1995	06-04-1995
8.	I.S.T.E. Chapter JNTU College of Engineering, Anantapur.	Artificial Intelligence and Expert Systems	15-05-1995	27-05-1995
9.	I.S.T.E. Chapter JNTU College of Engineering, Kakinada	WEB and E-Commerce Technologies	22-05-2000	10-06-2000

ANNEXURE-4

National Seminars/Conferences Attended / Participated:

1. National Seminar on “**ISDN - SYSTEMS - PROTOCOLS - APPLICATIONS**” held from 28th - 29th January 2000 at department of ECE, JNTU College of Engineering, Kakinada.
2. National Seminar on “**Futuristic Approach for Communication Technologies**” Organized by department of ECE and centre for Technology forecasting, College of Engineering Andhra University, Visakhapatnam during 25th - 26th February 2000.
3. National Workshop on “**Web Designing and Web Hosting Techniques**” held from 16th to 18th March 2000 at Department of ECE JNTU College of Engineering, Kakinada.

4. All India Conference on “**Technologies for Rural Development in Y2K**” and presented a paper on “**Internet for Rural Growth**”. Organized by Institution of Engineers (India), Tirupathi local centre during 30th June to 1st July 2000
5. National Seminar on “**Information, Communication and Entertainment SAT-03** ” Organized by IETE, Visakhapatnam during 20th - 21st September 2003.
6. International Conference on “**Bio-Medical Electronics and Telecommunications**” organized by Dept. of ECE & Centre College of Engineering, Andhra University, Visakhapatnam December 2004.
7. International Conference on “**Design, Simulation & Modeling of Mechanical Systems**” organized by Dept. of Mechanical Engineering JNTU College of Engineering, Kakinada.
8. National Conference on “**Advanced Communication Technologies ACT-06**” Organized by department of ECE and centre for Technology forecasting, College of Engineering Andhra University, Visakhapatnam during 8th - 9th December 2006
9. IETE Zonal Seminar on “**Engineering and Converging Communication Technologies** ” Organized by The institution Of Electronics and Telecommunication Engineering Visakhapatnam during 10th - 11th February 2007
10. AMTA Symposium at **St. Louis, USA**, held from November 4th to 9th November 2007.

11. National Workshop on “**Interactive Workshop On Resource Sharing and Curriculum Development** ” held from 5th to 6th December 2007 at Department of ECE ,SVU College of Engineering Under TEQIP

12. National Workshop on “**Igniting the Spirit of Innovation in Engineering Students** ” A Faculty Development Programme (Under TEQIP) held from 24th to 25th January 2008 at Sreenidhi Institute Of Science & Technology, Hyderabad In association Of SPFU Andhra Pradesh

13. International Conference on “**RF & Signal Processing Systems (RSPS-2008)**” held from 1-2 Feb 2008 , at Dept of ECE, Koneru Lakshmaiah College of Engineering, Vijayawada

Annexure - 5

AICTE PROJECTS

- Co-ordinator for AICTE Project "**Satellite Data Processing and Its Applications**" under the programme TAPTEC and received a grant of 8.0 lakhs in 1996 and installed the Weather Satellite receivers (WSR-524C) Feedback UK to acquire pictures to forecast weather and vegetation

- Chief Co-ordinator for AICTE Project entitled "**Modernization of Communication lab**" under the programme of MODROBS and received a grant of Rs. 8.0 lakhs in 1999 to procure the equipment for Digital Communication and Microwave labs.

ANNEXURE 6

Conferences/Workshops Organized

1. Organized a **winter school** on "**Adaptive Filtering Techniques and its Applications**" from 14th October to 20th '96 for teachers from various Engineering colleges as **Coordinator**
2. Organized National Level Student paper Contest "**TECHNOVISION-99**" from 30th January'99 in ECE department JNTU College of Engineering, Kakinada. as **Coordinator**
3. Organized National Level Student workshop "**Recent Trends In Digital Image Processing (RADIP-2K3)**" held on 29-30th December'2003 in ECE department JNTU College of Engineering, Kakinada as **Coordinator**.
4. Organized National Level Student paper Contest "**Vigyan-05**" held on August '2005 in ECE department JNTU College of Engineering, Kakinada as **Chairman**
5. Organized National Level Student paper Contest "**AVION-05**" held on December'2005 in ECE department JNTU College of Engineering, Kakinada as **Chairman**
6. Organized National Level winter school " **Advances in Signal & Image processing**" held on February 2006 in ECE department JNTU College of Engineering, Kakinada as **Chairman**
7. Organized Short term Course on" **Advanced Electromagnetics & Applications**" held during May18-21,2007 organized by ECE department, AU college of Engg, Visakhapatnam & JNTU College of Engineering, Kakinada under TEQIP as **Coordinator**

RESEARCH PUBLICATIONS:

Number of Papers Published in

<i>NATIONAL JOURNAL</i>	: 3
<i>INTERNATIONAL JOURNAL</i>	: 11
<i>NATIONAL CONFERENCES</i>	: 29
<i>INTERNATIONAL CONFERENCES</i>	: 27

NATIONAL JOURNAL ;

1. V.M. Rao, Dr. B. Prabhakara Rao, "Role of Microwaves in the measurement of Blood parameters", published in the journal of the institution of Engineers (India) vol. 86 January 2006, pp 61-62.
2. V. Malleswara Rao, B. Prabhakara Rao, D.M. Pothukuchi, "Dielectric parameters as Diagnostic tools and Indicatrix of Disease – A Microwave Study", paper submitted to IETE, Journal of Research.
3. PV Rama Raju, Madhusudhana Rao, B. Prabhakara Rao, D.M. Pothukuchi" Prediction Of Late Potentials In ECG Using Wavelet Coefficients" Published in GITAM Journal OF Information,Communication Technology Vol(1),July_dec 2008pp111-115

INTERNATIONAL JOURNAL:

1. B. Prabhakara Rao, P.S. Naidu, "**Performance Analysis of Subspace Based Method for Source localization in Shallow water**", signal processing Journal (48), Elsevier Science Publishers, 1996 pp. 175-182.
2. T Venkata Rama Krishna, P.Siddaiah and B.Prabhakara Rao, "**Viability of Convex Modulated Exponential Serrations for Improved Performance of CATRs**", Published in International Journal on PIERS(Progress in Electromagnetics Research symposium) 2007 in Beijing , pp2221-2224 March 2007,ISSN1559-9450
3. Dr. B. Prabhakara Rao, S. Sri Gowri, Dr. P.V. Subbaiah, "**Performance of DQPSK with Dual switched diversity reception over Independent and correlated Nakagami in – fading channel**", accepted for publication in forth coming AMSE journal France.
4. T.Venkata Rama Krishna, P. Siddaiah, B. Prabhakara Rao, "**Performance Analysis of CATR Reflector with Super Hybrid Modulated Segmented Exponential Serrated Edges**", International Journal of Electrical, Computer, and Systems Engineering, Volume 1, Number 3, 2007, pp.177-182, ISSN 1307-5179
5. B. Prabhakara Rao, P. Venkata Rama Krishna, P. Siddaiah, "**Hybrid modulated double segmented convex triangular serrations for improved performance of**

- compact antenna test range reflectors**”, published in International Journal of Microwave & Optical Technology, CIGMOT.
6. T Venkata Rama Krishna, P.Siddaiah and B.Prabhakara Rao “**Performance comparison of non identical segmented exponential concave and non identical segmented exponential convex serrated CARTS**”, published in International Journal of Antennas and Wave propagation,2008
 7. VVKD Prasad, P.Siddaiah, B. Prabhakara Rao “ **A New Wavelet Based Method for Denoising of Biological Signals**” Published in International Journal of Computer Science and Network Security , Vol 8,January 2008 pp 238244
 8. VVKD Prasad, P.Siddaiah, B. Prabhakara Rao “ **Denoising of Biological Signals Using Different Wavelet Based Methods and their Comparison**” published in Asian Journal of Information Technology7(4) 2008 pp 146-149
 9. V.V.K.D Prasad , P.Siddaiah, B.Prabhakara Rao,” **A New Threshold Method for Denoising Of Biological Signals Using Wavelets**” accepted for Publication in the International Journal Advances in Computer Science & Engineering, vol. 2, no. 2, pp. 189-199, July 2008
 10. M.V.S.Sairam, Dr.B.Prabhakara Rao, "A Novel Coding Technique To Minimise The Transmission Bandwidth And Bit Error Rate In DPSK" in IJCSNS International Journal of Computer Science and Network Security, VOL.8 No.5, pp. 345 - 353, May 2008.
 11. P.Y.Jayasri, VSSN Srinivasa Baba, B. Prabhakara Rao “**Shielding Effectiveness Of Laminated Sheets**” accepted for publication in International journal on Radio Engineering

NATIONAL CONFERENCES

1. B. Prabhakara Rao, B. Visveswara Rao, K. Padma Raju, “**ISDN: A Snapshot**”, Proceedings on “Futuristic Approach for Communication Technologies (FACT-2K)” organized by Dept. of ECE & Centre for Technology Forecasting, College of Engineering, Andhra University, Visakhapatnam during 25-26th FEB2000, pp. 84-89.
2. M. Sailaja B. Visveswara Rao, B. Prabhakara Rao, I. Santi Prabha, “**Hierarchical Interconnection Networks**”, Proceedings on “Futuristic Approach for Communication Technologies (FACT-2K)” organized by Dept. of ECE & Centre for Technology Forecasting, College of Engineering, Andhra University, Visakhapatnam during 25-26th FEB2000 pp. 69-83.

3. B. Prabhakara Rao, K. Anand Mohan, B. Visveswara Rao, **“A New Era Through Optical Fiber in Telecommunications – A Brief Overview”**, Proceedings on **“Futuristic Approach for Communication Technologies (FACT-2K)”** organized by Dept. of ECE & Centre for Technology Forecasting, College of Engineering, Andhra University, Visakhapatnam during 25-26th FEB2000, pp. 160-166.
4. B. Prabhakara Rao, G. Raghuram, **“Role of E-commerce in trading; A Glance”**, proceedings of National Conference on **“Information Technology Challenges – Vision 21st Century** organized by G.B. Pant Engineering College Pauri, Garhwal U.P. from June 26th-27th 2000, pp 52-65.
5. B. Prabhakara Rao, L. Pratap Reddy, K. Anand Mohan, **“Wireless Internet; A Brief Overview”**, proceedings of National Conference on **“Information Technology Challenges – Vision 21st Century** organized by G.B. Pant Engineering College Pauri, Garhwal U.P. from June 26th-27th 2000, pp 155-161.
6. L. Pratap Reddy, B. Prabhakara Rao, G. Raghu Ram, **“Web Hosting Techniques”**, proceedings of zonal seminar on **“Role of E-commerce in Accelerating Social Transformation”** RECAST-2K held in month of May 2000 by The Institution of Electronics and Communication Engineers” Visakhapatnam centre.
7. B. Prabhakara Rao, L. Pratap Reddy, B. Visveswara Rao, **“Issues for E-commerce Growth”**, proceedings of zonal seminar on **“Role of E-commerce in Accelerating Social Transformation”** RECAST-2K held in month of May 2000 by The Institution of Electronics and Communication Engineers” Visakhapatnam centre.
8. B. Prabhakara Rao, G. Raghu Ram, L. Pratap Reddy, K. Anand Mohan, **“Internet for Rural Growth”**, proceedings on All India Conference on **“Technologies for Rural Development in Y2K”** organized by the Institution of Engineers (India), Tirupathi, local centre during 30th June to 1st July 2000.
9. L. Pratap Reddy, B. Prabhakara Rao, M. Kumara Swamy, G. Raghu Ram, **“Information Technology and Indian Languages”**, proceedings on All India Conference on **“Technologies for Rural Development in Y2K”** organized by the Institution of Engineers (India), Tirupathi, local centre during 30th June to 1st July 2000.
10. Dr B. Prabhakara Rao, Sri Gowri, P.V. Subbaiah, **“Fading channels – A Review”**, proceedings of National conference on Signals & Systems and Security (NCSS-2002), 01-02 March 2002, organized by Dept. of ECE, PSG College of Technology, Coimbatore.
11. Dr. B. Prabhakara Rao, Sri Gowri, Dr. P.V. Subbaiah, **“Performance of Ricean Channel with Rician Factor”**, published in National Seminar on Information,

- Communication and Entertainment SAT-03, during 20-21st September 2003 organized by IETE, Visakhapatnam.
12. SriGowri, B. Prabhakara Rao, P.V. Subbaiah, “**Performance of Ricean Channel with path delay for various values of Ricean K factor**”, National Conference on Control, Instrumentation and Information communications organized by Goa Engineering, Goa during 24-25th January 2004.
 13. T.Venkata Rama Krishna, P. Siddaiah, B. Prabhakara Rao ‘**Security Comparison: Bluetooth vs. 802.11**’CISCON2005, Organized by Manipal Institute of Technology, Manipal, Nov 11-12, 2005.
 14. B.Prabhakara Rao, V.V.K.D.V. Prasad and P. Siddaiah, “**Optimal Estimation of Audio Signal Using Wavelet Based Methods and Comparison**”, proceedings of the second control and Instrumentation System conference (CISCON-2005) organized by Department of Instrumentation and Control Engineering, MIT, Manipal, pp. 76-80
 15. Dr. B. Prabhakara Rao & M. Ranga Rao, “**Image Retrieval based on Context dependent Segmentation and Matching**”, presented in National Conferences NVGIP – 2005 Organized by Dept. of CSE, Jawaharlal Nehru NCE, Shimoga, Karnataka. during 2nd & 3rd Mar 2005
 16. Dr. B. Prabhakara Rao & M. Ranga Rao, “**Adaptive coding for Context based Image retrieval**”, presented in National Conferences NVGIP – 2005 Organized by Dept. of CSE, Jawaharlal Nehru NCE, Shimoga, Karnataka. during 2nd & 3rd Mar 2005
 17. Dr. B. Prabhakara Rao & M. Ranga Rao, “**Automatic acquisition of Context based Image templates for degraded character recognition in scene images**”, presented in National Conferences NVGIP – 2005 Organized by Dept. of CSE, Jawaharlal Nehru NCE, Shimoga, Karnataka. during 2nd & 3rd Mar 2005
 18. Dr. B. Prabhakara Rao & M. Ranga Rao, “**Context – Dependent Segmentation and Matching**”, presented in National Conferences BIOCON – 2005 Organized by Dept. of ECE, Royal Inst. of Tech. & Science Damegidda, chevella, RR. Dist during 19th – 20th Mar 2005
 19. Dr. B. Prabhakara Rao & M. Ranga Rao, “**Image retrieval based on Context – Dependent Segmentation and Matching**”, presented in National Conferences NCIP – 2005 Organized by TIFAC – CORE in DIP, M.S. Ramaiah School of Advanced Studies, Bangalore during 22nd – 25th Mar 2005
 20. M.V.H. Bhaskara Murthy, B. Nancharaiah, Dr. B. Prabhakara Rao, “**Design of WCDMA System with optimum path and Congestion Avoidance Algorithms**”, presented in National conference on “Recent Advances in Electronics &

- Communication Technology” **RACET-06** held on November 9-10, 2006 organized by Dept. of ECE, Guru Nanak Dev Engg., College, Ludhiana, Punjab, pp 344-348
21. V.V.K.D.V. Prasad, Dr. P. Siddaiah, Dr. B. Prabhakara Rao, J. Ravindranath, “**De-noising of ECG Signal using wavelet based methods**”, presented in National Conference on “Advanced Communication Technologies” ACT-06 at Andhra University College of Engg., Visakhapatnam held on December 8th – 9th, 2006 pp.
 22. **T. Venkata Rama Krishna, P. Siddaiah, B. Prabhakara Rao**, “**The Prediction of 1D fresnel diffraction pattern of CATR with Rectangular aperture from single slit using numerical calculation**”, presented in National Conference on “Advanced Communication Technologies” ACT-06 at Andhra University College of Engg., Visakhapatnam held on December 8th -9th, 2006, pp 86-88.
 23. **N. Renuka, A. Sudhakar, Prof. G.S.N. Raju, Dr. B. Prabhakara Rao**, “**Generation of Stair step patterns from discrete arrays of radiating elements**”, presented in National Conference on “Advanced Communication Technologies ” ACT-06 at Andhra University College of Engg., Visakhapatnam held on December 8th – 9th2006 ,pp65-67
 24. B. Prabhakara Rao, VVKDV Prasad, Dr. P. Siddaiah, “**Performance evaluation of different De-noising methods using wavelets and their comparison**”, proceedings of IETE Zonal seminar on “Engineering and Converging communication Technologies”, held during 10-11th of February, 2007 organized by the Institution of Electronics and Telecommunication Engineering, Visakhapatnam center.
 25. B. Prabhakara Rao, MVS Sairam, B. Jagadeesh, “**FPGA based (n+1,k) systematic error detecting codes**”, proceedings of IETE Zonal seminar on “Engineering and Converging communication Technologies”, held during 10-11th of February, 2007 organized by the Institution of Electronics and Telecommunication Engineering, Visakhapatnam center.
 26. Dr. B. Prabhakara Rao & M. Ranga Rao, “**Multi-user Detection in CDMA System**”, presented in National Conferences **NCIC – 2007** Organized by during Department of ECE RGM College of Engg. & Tech.Nandyal, AP
 27. V.V.K.D Prasad, P.Siddaiah, B.Prabhakara Rao,”**A Novel Filtering Approach for Estimation of Biological Signals using wavelets** “**National Symposium (NSI-32)** at Tiruchengode, Tamilnadu, during 24-26, October 2007 conducted by IISc.Bangalore.
 28. T. Venkata Rama Krishna, P. Siddaiah, B. Prabhakara Rao, “**Antenna Measurements: the comparison of NICE concave serrated CATR, ISE concave serrated CATR Techniques**”, Presented in National conference on wireless & optical

communications, 13-14 December 2007, Punjab Engineering College, Chandigarh.

29. T. Venkata Rama Krishna, P. Siddaiah, B. Prabhakara Rao, “**Performance Analysis of CATR reflector with segmented triangular serrated edges**”, presented in presentation in IET Conference 2007

INTERNATIONAL CONFERENCES

1. B. Prabhakara Rao, S. SriGowri, A. Venkateswarlu, “**Data Transmission over Rayleigh faded HF Channel**”, International Conference **RESEARCH PUBLICATIONS:**

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18. VVKD Prasad, P.Siddaiah, B. Prabhakara Rao "**A New Wavelet Based Method for Denoising of Biological Signals**" Published in International Journal of Computer Science and Network Security , Vol 8,January 2008 pp 238244
19. VVKD Prasad, P.Siddaiah, B. Prabhakara Rao "**Denoising of Biological Signals Using Different Wavelet Based Methods and their Comparison**" published in Asian Journal of Information Technology7(4) 2008 pp 146-149
20. V.V.K.D Prasad , P.Siddaiah, B.Prabhakara Rao," **A New Threshold Method for Denoising Of Biological Signals Using Wavelets**" accepted for Publication in the International Journal Advances in Computer Science & Engineering, vol. 2, no. 2, pp. 189-199, July 2008

21. M.V.S.Sairam, Dr.B.Prabhakara Rao, "**A Novel Coding Technique To Minimise The Transmission Bandwidth And Bit Error Rate In DPSK**" in IJCSNS International Journal of Computer Science and Network Security, VOL.8 No.5, pp. 345 - 353, May 2008.
22. P.Y.Jayasri, VSSN Srinivasa Baba, B. Prabhakara Rao "**Shielding Effectiveness Of Laminated Sheets**" accepted for publication in International journal on Radio Engineering

NATIONAL CONFERENCES

30. B. Prabhakara Rao, B. Visveswara Rao, K. Padma Raju, "**ISDN: A Snapshot**", Proceedings on "Futuristic Approach for Communication Technologies (FACT-2K)" organized by Dept. of ECE & Centre for Technology Forecasting, College of Engineering, Andhra University, Visakhapatnam during 25-26th FEB2000, pp. 84-89.
31. M. Sailaja B. Visveswara Rao, B. Prabhakara Rao, I. Santi Prabha, "**Hierarchical Interconnection Networks**", Proceedings on "Futuristic Approach for Communication Technologies (FACT-2K)" organized by Dept. of ECE & Centre for Technology Forecasting, College of Engineering, Andhra University, Visakhapatnam during 25-26th FEB2000 pp. 69-83.
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