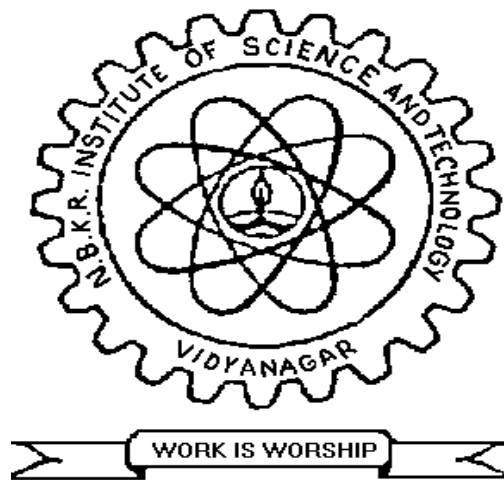


# Internal Quality Assurance Cell

## Annual Report

### 2015-16



## **N.B.K.R.INSTITUTE OF SCIENCE & TECHNOLOGY (AUTONOMOUS)**

College with Potential for Excellence (CPE)

Approved by AICTE:: Affiliated to JNTUA, Anantapuramu

Re-Accredited by NAAC with 'A' Grade, B.Tech.(EEE,ECE,CSE,CE,ME) Courses

Accredited by NBA under Tier-I

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**1. Admissions of 2015-16 AY**

<b>Programme name</b>	<b>Programme Code</b>	<b>Number of seats available/sanctioned</b>	<b>Number of Students admitted</b>
B.Tech. - CE	01	120	110
B.Tech. - EEE	02	120	71
B.Tech. - ME	03	120	120
B.Tech. - ECE	04	120	111
B.Tech. - CSE	05	120	95
M.Tech. - PS	82	36	22
M.Tech. - DECS	38	18	10
M.Tech. - CSE	58	36	4
M.Tech. - AMS	87	18	3

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### 2. Semester wise Results of 2015-16 AY

		ECE	EEE	CSE	CIVIL	MECH	TOTAL
I B.Tech.	Appeared	107	70	95	108	118	<b>498</b>
	Passed	84	47	62	73	72	<b>338</b>
	Pass %	<b>78.50</b>	<b>67.14</b>	<b>65.26</b>	<b>67.59</b>	<b>61.01</b>	<b>67.87</b>
<hr/>							
		ECE	EEE	CSE	CIVIL	MECH	TOTAL
II B.Tech. I Sem.	Appeared	113	104	93	141	138	<b>589</b>
	Passed	74	61	68	82	112	<b>397</b>
	Pass %	<b>65.48</b>	<b>58.65</b>	<b>73.11</b>	<b>58.15</b>	<b>81.15</b>	<b>67.40</b>
II B.Tech. II Sem.	Appeared	112	103	91	141	139	<b>586</b>
	Passed	94	71	54	115	100	<b>434</b>
	Pass %	<b>83.92</b>	<b>68.93</b>	<b>59.34</b>	<b>81.56</b>	<b>71.94</b>	<b>74.06</b>
<hr/>							
		ECE	EEE	CSE	CIVIL	MECH	TOTAL
III B.Tech. I Sem.	Appeared	130	127	75	136	131	<b>599</b>
	Passed	104	85	55	102	118	<b>464</b>
	Pass %	<b>80%</b>	<b>66.92</b>	<b>73.33</b>	<b>75%</b>	<b>90.07</b>	<b>77.46</b>
III B.Tech. II Sem.	Appeared	128	127	74	139	130	<b>598</b>
	Passed	101	92	63	99	98	<b>453</b>
	Pass %	<b>78.90</b>	<b>72.44</b>	<b>85.13</b>	<b>71.22</b>	<b>75.38</b>	<b>75.75</b>

		ECE	EEE	CSE	CIVIL	MECH	TOTAL
IV B.Tech. I Sem.	Appeared	116	119	70	133	123	<b>561</b>
	Passed	76	73	51	120	96	<b>416</b>
	Pass %	<b>65.51</b>	<b>61.34</b>	<b>72.85</b>	<b>90.22</b>	<b>78.04</b>	<b>74.15</b>
IV B.Tech. II Sem.	Appeared	116	119	69	133	123	<b>557</b>
	Passed	113	95	55	127	107	<b>497</b>
	Pass %	<b>97.41</b>	<b>79.83</b>	<b>82.08</b>	<b>96.21</b>	<b>86.99</b>	<b>89.22</b>

		PS	DECS	CSE	ME	TOTAL
M.Tech. I Sem.	Appeared	21	10	04	02	<b>37</b>
	Passed	15	10	02	02	<b>29</b>
	Pass %	<b>71.42</b>	<b>100</b>	<b>50%</b>	<b>100</b>	<b>78.37</b>
<hr/>						
		PS	DECS	CSE	ME	TOTAL
M.Tech. II Sem.	Appeared	21	09	04	02	<b>36</b>
	Passed	<b>20</b>	<b>09</b>	<b>04</b>	<b>02</b>	<b>35</b>
	Pass %	<b>95.23</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>97.22</b>

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### 3. Placements of 2015-16 AY

Name of the employer with contact details	Package received	Number of students placed	Program graduated from
Mphasis Contact Person - Vidyaranya, Contact No-9686201277	3.25 LPA	2	ECE
Mphasis Contact Person - Vidyaranya, Contact No-9686201277	3.25 LPA	3	CSE
Value Labs Contact person - Anusha, Contact No : 040 – 71039524	4 LPA	1	EEE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	26	MECHANICAL
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	3	EEE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	2	ECE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	6	CSE
BHEA Contact Name : Sridhar, Contact No : 8885556688	3.6 LPA	1	CSE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	4	CIVIL
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	6	MECHANICAL
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	2	EEE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	1	ECE
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.6 LPA	3	EEE

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INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.6 LPA	<b>3</b>	MECHANICAL
INDUS TOWERS , Contact Person - SUDEEP NARAYAN Contact No-04443435200	3.6 LPA	<b>9</b>	MECHANICAL
INDUS TOWERS , Contact Person - SUDEEP NARAYAN Contact No-04443435200	3.6 LPA	<b>3</b>	EEE
YASH Technologies , Contact Person - C.sn Sreenivas , Contact No-9642422772	3.6 LPA	<b>10</b>	ECE
YASH Technologies , Contact Person - C.sn Sreenivas , Contact No-9642422772	3.6 LPA	<b>8</b>	EEE
YASH Technologies , Contact Person - C.sn Sreenivas , Contact No-9642422772	3.6 LPA	<b>6</b>	MECHANICAL
HCL, Contact Person - VINODHINI Contact No- 04443935000	3.6 LPA	<b>3</b>	ECE
HCL, Contact Person - VINODHINI Contact No- 04443935000	3.6 LPA	<b>1</b>	EEE
SYNTEL, Contact Person - RAM , Contact No- 044 47428020	3.25 LPA	<b>4</b>	EEE
SYNTEL, Contact Person - RAM , Contact No- 044 47428020	3.25 LPA	<b>2</b>	MECHANICAL
CRUISE LINE CONTACT PERSON : Nidhi CONTACT NO - 8446595502	2.4 LPA	<b>2</b>	MECHANICAL
HYUNDAI Contact Person : Vishwanadham Contact Person : 9032658678	3.6 LPA	<b>5</b>	MECHANICAL
KESORAM CEMENTS	3.0 LPA	<b>3</b>	CIVIL
MPOWER Contact Person : Azar Ali Contact No : 9448049786	1.8 LPA	<b>3</b>	CSE
KARVY Contact Person : Shiva Nair Contact No : 7299072993	1.4 LPA	<b>21</b>	ECE

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ASCENT	2.4 LPA	1	CSE
CMS Contact Person : JJO Contact No : 8904421441	1.8 LPA	6	CSE
CMS Contact Person : JJO Contact No : 8904421441	1.8 LPA	5	ECE
CMS Contact Person : JJO Contact No : 8904421441	1.8 LPA	3	EEE
CIATES ARCHITECTS ENGINEERCONSTRUCTIONS	1.5 LPA	3	CIVIL
TESLANIK Contact Person : Ramana , Contact No: 8106709033	2.4 LPA	1	CSE
TESLANIK Contact Person : Ramana , Contact No: 8106709033	2.4 LPA	2	EEE
CAPGEMINI TECHNOLOGY	3.2 LPA	2	ECE
SMS ASSOCIATES	3.0 LPA	2	CIVIL
PENNA CEMENTS	3.0 LPA	2	CIVIL
SOFTWARE & CORE COMPANIES(EEE,MECHANICAL & CIVIL)	1.8 TO 4LPA	6	CSE
SOFTWARE & CORE COMPANIES(EEE,MECHANICAL & CIVIL)	1.8 TO 4LPA	20	ECE
SOFTWARE & CORE COMPANIES(EEE,MECHANICAL & CIVIL)	1.8 TO 4LPA	30	EEE
SOFTWARE & CORE COMPANIES(EEE,MECHANICAL & CIVIL)	1.8 TO 4LPA	16	MECHANICAL
SOFTWARE & CORE COMPANIES(EEE,MECHANICAL & CIVIL)	1.8 TO 4LPA	62	CIVIL
CTS	3.6 LPA	7	EEE
<b>Total</b>		<b>311</b>	

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### 4. Professional development / administrative training programs organized by the Institute for teaching and non teaching staff During 2015-16AY

<b>Title of the professional development program organized</b>	<b>Dates (from-to)</b>	<b>No. of participants</b>
<b>For Teaching Staff</b>		
One day workshop on "Outcomes Based Education", Organized by NBKRIST, Vidyanagar on 15th February 2016	15.02.2016	20
FDP on Internet of things	13.03.2016	21
FDP on FEA	06.06.2016 - 08.06.2016	35
A one week national level workshop on "MATLAB applications in power systems & Power Electronics" at NBKRIST, Vidyanagar.	27.06.2016 - 02.07.2016	24
Data warehousing and business analysis	25.04.2016 - 05.05.2016	1
Foundation of skills in integrated product development	09.07.2015 - 13.07.2015	1
International training program on leadership	02.09.2015 - 06.09.2015	1
Advanced web technologies and springs	14.10.2015 - 08.12.2015	4
Recent trends in it	28.12.2015 - 02.01.2016	1
Total Programmes: 9		



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### 5. Teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during 2015-16 AY

S.N o.	Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
1	1	One day Workshop on “Advances in concrete technology”, at JNTU Hyderabad on 26th May 2016	26.05.2016
2	2	Two week FDP on “Computer Oriented Applications in Civil Engineering”, Organized by department of Civil Engineering, VNRVJIET, Hyderabad from 16th to 28th May 2016.	16.05.2016 to 28.05.2016
3	1	Four week AICTE FDP on “Use of ict in Education for Online and Blended Learning, Conducted by iit, Bombay, from May 2nd to July 10th 2016.	02.05.2016 to 10.07.2016
4	2	One day workshop on “Repair and Retrofitting Techniques of Concrete Structures”, Conducted by Centre for Disaster Mitigation and Management, VIT University, Vellore on 06th April 2016.	06.04.2016
5	20	One day workshop on "Outcomes Based Education", Organized by NBKRIST, Vidyanagar on 15th February 2016	15.02.2016
6	2	Two weeks ISTE STTP on Introduction to Structural Engineering, Conducted by IIT, Kharagpur (RC-SVU college of Engineering) from 30th to 09th february 2016.	30.01.2016 to 09.02.2016
7	1	One Day National Seminar on "Advances in Water Resources Engineering" jointly organized by department of Civil Engineering V R & J C College of Engineering and Indian Geotechnical Society, Guntur Chapter on 26 September 2015	26.09.2015
8	1	Two week AICTE sponsored FDP on “Environmental Pollution-Causes Effects and Control Strategies” organized by Vidyanikethan Engineering College, Tirupathi during 8th to 20th June 2015.	08.06.2015 to 20.06.2015
9	7	Five day FDP on “Recent Advances in Concrete Technology”, Organized by the department of Civil Engineering, N.B.K.R.I.S.T, Vidyanagar, from 06th to 10th June 2015.	06.06.2015 to 10.06.2015
10	2	Two week ISTE STTP workshop on" Environmental Studies”, Conducted by IIT, Bombay from 2nd to 12th June 2015.	02.06.2015 to 12.06.2015
11	6	Internet of Things	13th February 2016
12	1	Advanced web technologies and springs	14th to 12th December 2015

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13	1	Digital Signal Processing- fundamentals and applications	30th November to 5th December 2015
14	1	National seminar on Smart Antenna Technologies for future wireless systems: trends and challenges	21st to 22nd August 2015
15	1	A Robotic Image Water Marking Using BWT-SVD	26th July 2015
16	1	e-Yantra Robotics Teacher Competition	Jul-15
17	1	Emerging trends in Power Electronics & Power systems	16th May to 20th May 2016
18	24	MATLAB applications in power systems & Power Electronics	27th June to 2nd July 2016
19	18	Out comes based Education	15th February 2016
20	11	Power Systems and Simulation	5th Dec 2015
21	1	Renewable Energy, Smart grid and Microgrid	11th Dec 2015
22	1	A Robotic Image Water Marking Using BWT-SVD	26 <sup>th</sup> July 2015
23	1	Additive Manufacturing	06-18, June 2016
24	2	Advanced Numerical Methods in Fluid Dynamics", Short Term Training Programme	17.04.2015 to 19.04.2015
25	5	Advanced Web Technologies and Springs	14 <sup>th</sup> to 12 <sup>th</sup> December 2015
26	21	Advances in FEM	06-18, June 2016
27	1	Data warehousing and Business Analysis	25-04-2016 To 05-05-2016
28	1	Digital Signal Processing- fundamentals and applications	30 <sup>th</sup> November to 5 <sup>th</sup> December 2015
29	1	Energy Auditing Conservation and demand side management	2nd-3rd June 2016
30	1	e-Yantra Robotics Teacher Competition	Jul-15
31	1	Foundation of Skills in integrated product development	09-07-2015 To 13-07-2015
32	1	Four week AICTE FDP on "Use of ict in Education for Online and Blended Learning, Conducted by iit, Bombay, from May 2nd to July 10th 2016.	02.05.2016 to 10.07.2016
33	9	Fundamentals of JAVA Technologies by Oracle	15-02-2015 To 19-02-2015
34	1	Intellectual Property Rights and Patents	16-30, May 2016
35	1	International training program on leadership	02-09-2015 To 06-09-2015

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36	6	Internet of Things	13 <sup>th</sup> February 2016
37	1	Materials and Processes for High Temperature Applications	6-10, June 2016
38	1	Micromachining	30 <sup>th</sup> April 2016
39	1	National seminar on Smart Antenna Technologies for future wireless systems: trends and challenges	21 <sup>st</sup> to 22 <sup>nd</sup> August 2015
40	2	NPTEL Workshop	30 <sup>th</sup> June 2016
41	1	One Day National Seminar on "Advances in Water Resources Engineering" jointly organized by department of Civil Engineering V R & J C College of Engineering and Indian Geotechnical Society, Guntur Chapter on 26 September 2015	26.09.2015
42	20	One day workshop on "Outcomes Based Education", Organized by NBKRIST, Vidyanagar on 15th February 2016	15.02.2016
43	1	One day Workshop on "Advances in concrete technology", at JNTU Hyderabad on 26th May 2016	26.05.2016
44	2	One day workshop on "Repair and Refitting Techniques of Concrete Structures", Conducted by Centre for Disaster Mitigation and Management, VIT University, Vellore on 06th April 2016.	06.04.2016
45	5	One Day Workshop on Outcome Based Education	15 <sup>th</sup> Feb 2016
46	1	Recent Trends in Information Technology	28-12-2015 To 02-01-2016
47	1	Research Methodologies	1-15, May 2016
48	1	Research Methodology & Technical Paper Writing	26 -02-2016 To 27-02-2016
49	2	Research Methodology and Technical Paper Writing	26-27, Feb 2016
50	2	Research Problems in Advanced Manufacturing Systems	23 <sup>rd</sup> April 2016
51	2	Software Engineering	17-06-2016 To 28-06-2016
52	2	Two week FDP on "Computer Oriented Applications in Civil Engineering", Organized by department of Civil Engineering, VNRVJIET, Hyderabad from 16th to 28th May 2016.	16.05.2016 to 28.05.2016
53	2	Two weeks ISTE STTP on Introduction to Structural Engineering, Conducted by IIT, Kharagpur (RC-SVU college of Engineering) from 30th to 09th february 2016.	30.01.2016 to 09.02.2016
54	1	Renewable Energy, Smart grid and Microgrid	11th Dec 2015
55	11	Power Systems and Simulation	5th Dec 2015
56	18	Out comes based Education	15th February

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			2016
57	1	Emerging trends in Power Electronics & Power systems	from 16th May to 20th May 2016
58	1	Energy Auditing Conservation and demand side management	2nd-3rd June 2016
59	24	MATLAB applications in power systems & Power Electronics	27th June to 2nd July 2016
60	1	Foundation of Skills in integrated product development	09-07-2015 To 13-07-2015
61	1	International training program on leadership	02-09-2015 To 06-09-2015
62	1	Data Warehousing and Business Analysis	25-04-2016 To 05-05-2016
63	4	Advanced Web Technologies and Springs	14-10-2015 To 08-12-2015
64	9	Fundamentals of JAVA Technologies by Oracle	15-02-2015 To 19-02-2015
65	1	Recent Trends in Information TEchnology	28-12-2015 To 02-01-2016
<b>Total Programmes: 65</b>			<b>Total Teachers attended: 278</b>

**6. Publications: Journals/books/conferences-Proceedings of 2015-16 AY**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>
Sensitivity of curve number & initial abstraction coefficient on SCS-CN method of runoff estimation in an ungauged water shed integrated with RS & GIS	Nambi Harish	CE	Indian journal of research	2015	2250-1991
Meteorological Drought assessment of Rayalaseema region	Nambi Harish	CE	Indian journal of applied research	2015	2249-555
Detection and Classification of Diabetic Retinopathy Using Retinal Images	Dr. G. Harinatha Reddy, K. Venkata Nagarjuna	ECE	International Journal of Emerging Technologies in Engineering Research(IJETER)	2015	24546410
Modified Product Group delay Spectral Estimation Using Auto-Regressive (AR) Model”	Dr. K.Nagi Reddy	ECE	International Journal of Engineering and Technical Research (IJETR)	2015	23210869
Design of Octal to Binary Encoder using QCA	Dr. K. Nagi Reddy M. Poojitha, V. Sushma, Priyadarshini, N. Neelima,	ECE	International Journal of Engineering Research & Technology (IJERT)	2015	22780181
Group Delay Spectrum Estimation Method of Improvement of SNR for MST Radar Data.	K. Haneesha, K. Krishna Bharathi, Md. Rasool, M. Surendra, M. Adarsh,	ECE	IJECCE	2015	2249071X

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	Dr. K.Nagi Reddy,				
Biorthogonal Wavelet Transform Based Image Watermarking	Prof. B. Subba Reddy	ECE	International Journal Of Innovations and advancement in computer science	2015	234786 16
A Power System Stabilizer for Multi Machine-Based on Hybrid BF0A- PSO	Dr. S. Saravanan , Mary Saranya T, Rajapandian A, Hema S, Geetha Priya S,	ECE	International Journal of Electrical and Computer Engineering (IJECE)	2015	208887 08
Shielding Effectiveness of Rectangular Enclosure with Apertures on Two Different Sides	Dr. G. Kameswari, PVY Jayasree	ECE	International Journal of Electromagnetics & Applications (Scientific & Academic Publishing)	2015	216850 37
Shielding Effectiveness of Rectangular Enclosure with Off-Centre Aperture and Arbitrary Polarization Angle	Dr. G. Kameswari, PVY Jayasree	ECE	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	2015	227890 9X
Implementation of BIST Test Generation Scheme based on Programmable Twisted Ring Counter	GV. Ramanaih, B. Satheesh Babu	ECE	International Journal of Advanced and Innovative Research	2015	227878 44
A new pairing method for latent and rolled finger prints matching	ARK. Prasad	ECE	International Journal of Emerging Engineering Research and Technology (IJEERT)	2015	234944 09
Global Denoising	M. Raveendra , SK.	ECE	International Journal of Advanced and Innovative Research	2015	239477 80

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	Shameulla				
A New Framework for Motion Compensated Frame Rate Up-Conversion (FRUC) Based on Variation Image Fusion	B. Rajendra Prasad, R. Naresh	ECE	International journal of Scientific Engineering and Technology Research	2015	231988 85
Global Image Contrast Enhancement Algorithm Using Histogram-Modification Framework	L. Guru Kumar, N. Narendra Babu, C. Mohan Rao	ECE	International Journal of Research in Engineering and Technology	2015	974969 1
Image Enhancement for Varying Lighting Conditions using Color and Depth Image Histograms	L. Guru Kumar	ECE	International Journal of Digital Image Processing	2015	974958 6
Region Growing Thresholding Based Object-Oriented Shadow Detection and Removal from Urban High-Resolution Remote Sensing Images	G. Nagarjuna Reddy	ECE	International Journal of Innovative Research in Electronics and Communications	2015	234940 42
A Dynamic Secure Image Transmission Via Mosaic Images By Reversible Colour Transformations	K. Kannaiah, B. Doss, G. Basavaraj	ECE	International Journal of Scientific Engineering and Technology Research	2015	231988 85
Implementation of Combinational Logic S-Box and Its Fault Detection for Advanced Encryption Standard Algorithm	B. Srikanth	ECE	International Journal of Scientific Engineering and Technology Research	2015	231988 85
Improved load balancing model based on partitioning in cloud computing.	M Nataraja Suresh	CSE	IJCSMC	2015	---
An External Quality Supporting Test- Driven Development of Web Service Choreographies.	Dr.S.Maruthu perumal	CSE	IJCA	2015	0975- 8887
Blocking Malicious Connections in Anonymizing Networks Using Nymble	Dr.S.Maruthu perumal	CSE	IJAER	2015	0973- 4562
An Effective approach to Improve the Life Time of Network by almost Delaunay Triangulation.	A.Rajesehar Reddy	CSE	IJMAN	2015	2231:6 825

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Lifetime Improvement of WSN by Trust Level based Ant Colony Optimization	A.Rajasekhar Reddy	CSE	IJMAN	2015	---
Lifetime Prolongation of Wireless Sensor Network by Employing TLABC	A.Rajasekhar Reddy	CSE	IJMAN	2015	---
Blocking Malicious Connections in Anonymizing Networks Using Nymble	B Lakshmana Rao	CSE	IJAER	2015	0973-4562
An Efficient And Improved In Parameter Strategy (IIPO) For Generating The Pair wise Test Cases	M Lakshmi Prasad	CSE	IJSETR	2015	2319-8885
A Survey On Test Case Prioritization Using APFD Algorithm	M Lakshmi Prasad	CSE	IJSETR	2015	2319-8885
The Effect of the Couple Stress Fluid Flow on MHD Peristaltic Motion with Uniform Porous Medium in the Presence of Slip Effect	<b>S. Ravikumar</b>	S & H	Jordan Journal of Mechanical and Industrial Engineering	2015	1995-6665
Effect of Couple Stress Fluid Flow on Magnetohydrodynamic Peristaltic Blood Flow with Porous Medium through Inclined Channel in the Presence of Slip Effect - Blood Flow Model	<b>S. Ravikumar</b>	S & H	International Journal of Bio-Science and Bio-Technology	2015	2233-7849
Flow of an Incompressible Micropolar fluid through a channel bounded by a rigid permeable bed	Dr. S.Nandakishore, S.Sreenadh	S&H	International Journal of innovations in Engineering and Technology	2015	ISSN: 2319 - 1058
Common fixed point theorem satisfying constructive condition in fuzzy metric space	C.SREEDHAR, Rashmi, D.N.gaur	S & H	International journal of scientific and engineering research	2015	2229-558
Brinkman model for unsteady MHD free convection flow of a chemical reacting doubly stratified fluid with heat generation and radiation	Madhava Reddy Ch et. al.	S & H	<i>Procedia Engineering Elsevier Journal ISSN:1877-7058</i>	2015	1877-7058
Effects of cross-diffusion on unsteady natural convection past a vertical flat plate in an electrically conducting doubly stratified fluid saturated Brinkman porous medium	Madhava Reddy Ch et. al.	S & H	<i>Procedia Engineering Elsevier Journal</i>	2015	1877-7058



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Double Domination Number of Butterfly Graphs BF(n)	P. Vijaya Jyothi	S & H	IJETYMAS	2015	ISSN 2349-4476
Chemical Reaction and Soret Effects on Unsteady MHD Flow of a Viscoelastic Fluid past an Impulsively Started Infinite Vertical plate with Heat Source/sink	S.M.Ibrahimi K.Suneetha	S & H	International Journal of mathematics and Computational Science	2015	01-05-2014 ISSN: 1927-5307
Effects of Radiation, Viscous and Joules dissipation on MHD convective flow in Porous medium in presence of Heat source, Chemical reaction and Soret	S.M.Ibrahimi, K.Jaya Rami Reddy, K.Suneetha	S & H	International Journal of Scientific and Innovative Mathematical Research	2015	769-779 ISSN: 2347-307X
Influence of chemical reaction and heat source on MHD free convection and boundary layer flow of radiation absorbing kuvshinshiki fluid in porous medium	S.M.Ibrahimi, K.Suneetha	S & H	Asian Journal of Mathematics and Computer Research	2015	87-103 ISSN: 2395-4205
Effects of heat generation and thermal radiation on steady MHD flow near a stagnation point on a linear stretching sheet in porous medium and presence of variable thermal conductivity and mass transfer	S.M.Ibrahimi K.Suneetha	S & H	Journal of Computational and Applied Research in Mechanical Engineering	2015	133-144 ISSN: 2228-7922
Electrical and Gas sensing properties of Fe <sup>3+</sup> doped tin oxide thin films	M.C.Rao et.al.	S&H	International Journal of Chemical Concepts,	2015	2395-4256
Dislocation and Diasporic Sensibility in the Poems of Meena Alexander	Dr. G. Chenna Reddy	S & H	<b>JIGYASA</b>	2015	0974-7648
Problematizing Issues about Home, Homeland and Diasporic Consciousness in Uma Parameswaran's Poem of Trishanku and Knishka	Dr. G. Chenna Reddy	S & H	<b>Sodha Pravaha</b>	2015	ISSN: 2231-4113

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### 7. IQAC Initiatives of 2015-16 AY

S.No.	Name of quality initiative by IQAC	Duration (from – to)
1	3-day workshop on "ENTREPRENEURSHIP ORIENTATION PROGRAMME (EOP)	02-12-2016 to 04-12-2016
2	Techno Quest 2015	10/10/2015
3	One day workshop on Robotics	8/4/2015
4	Axion 15	3/1/2014
5	ISTE Gnosis-15	3/14/2015
6	Design of head regulator for Kandaleru reservoir	4/14/2016
7	Industry Practices In Civil Engineering And Engineering Ethics	12/15/2015
8	Geotechnical aspects of Expansive Soils-Problems and Remedies.	8/21/2015
9	CAD/CAE/PPM Software Course for the Civil Engineering	3/4/2015
10	Guest lecture on Solar Power	4/22/2016
11	Guest Lecture on Thermal Power Station Operation And Control	3/10/2016
12	Guest lecture on Preventive Vigilance as a tool for Good Governance	10/30/2015
13	Guest lecture on Power Grid Concepts	9/12/2015
14	Advanced generator Technology-build for the next generation	8/1/2015
15	Power Generation	7/30/2015
16	Matlab applications	7/14/2015
17	Industrial Visit	3/25/2016

**8. Extension activities conducted through NSS/NCC during 2015-16 AY**

**a) NSS Activities**

<b>Name of the activity</b>	<b>Organising unit/agency/ collaborating agency</b>	<b>Year of the activity</b>	<b>Number of students participated</b>
Conducted an Elocution Competition in connection with National Voters Day	NSS Unit	2016	30
Conducted a rally on eve of National voters Day on 25-1-2016	NSS Unit	2016	300
Conducted a Mega Blood Donation Camp on 20 <sup>th</sup> February 2015 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Unit	2015	450

**Awards received**

<b>Name of the activity</b>	<b>Name of the Award/ recognition</b>	<b>Name of the Awarding Government/recognised bodies</b>	<b>Year of award</b>
Blood Donation Camp	Appreciation	Red Cross Society	2015-16

**b) Students participating in extension activities during 2015-16AY**

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Number of students participated in such activities</b>
Conducted an Elocution Competition in connection with National Voters Day	NSS Unit	30
Conducted a rally on eve of National voters Day on 25-1-2016	NSS Unit	300
Conducted a Mega Blood Donation Camp on 20 <sup>th</sup> February 2015 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Unit	450
Conducted a rally on eve of National voters Day on 25-1-2016	NBKRIIST Students Union	300

**c) Sports Activities**

<http://sports.nbkrist.org/>

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### 9. Plan of Action by IQAC/Outcome of 2015-16 AY

Plan of Action	Achievements
<ul style="list-style-type: none"><li>Improvement in student –learning system.</li></ul>	<ul style="list-style-type: none"><li>Results improved, placements improved.</li></ul>
<ul style="list-style-type: none"><li>More training programmes arranged for placement</li></ul>	<ul style="list-style-type: none"><li>The placements of the Institute improved</li><li>Extensive training programmes organized by <b>Teamlease Company</b> for all UG students to train them for placement.</li></ul>
<ul style="list-style-type: none"><li>Proposal to start JNTUA Research centre to offer full time Ph D. Programmes</li></ul>	<ul style="list-style-type: none"><li>JNTUA has sanctioned Research centres for EEE, ECE and ME departments.</li></ul>
<ul style="list-style-type: none"><li>Proposal to online student monitoring system.</li></ul>	<ul style="list-style-type: none"><li>SMS alerts are introduced to send student information to the parents</li></ul>
<ul style="list-style-type: none"><li>Upgrade computational facilities.</li></ul>	<ul style="list-style-type: none"><li>More computers with high configuration are procured.</li></ul>
<ul style="list-style-type: none"><li>Strengthening the faculty and students research.</li></ul>	<ul style="list-style-type: none"><li>More proposals submitted to funding agencies</li></ul>
<ul style="list-style-type: none"><li>Implementation of swatcha college.</li></ul>	<ul style="list-style-type: none"><li>Swatcha College is effectively implemented.</li></ul>
<ul style="list-style-type: none"><li>Improve transportation facility to student.</li></ul>	<ul style="list-style-type: none"><li>New buses are purchased.</li></ul>
<ul style="list-style-type: none"><li>Preparation of NBA Reaccreditation</li></ul>	<ul style="list-style-type: none"><li>Process is under progress.</li></ul>
<ul style="list-style-type: none"><li>Proposal to improve the intake in B Tech programme in CSE and CE.</li></ul>	<ul style="list-style-type: none"><li>Intake in B Tech (CSE) and B Tech (Civil) Increased.</li></ul>

**IQAC Coordinator**

**Director**

**DIRECTOR**  
N.B.K.R. Institute of Science & Technology  
Vidyanagar, SPSR Nellore Dt., AP.