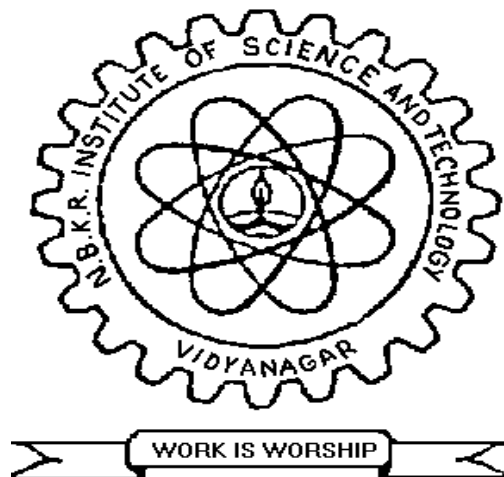


# Internal Quality Assurance Cell

## Annual Report

### 2016-17



## **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 2016-17 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	180	115
B.Tech. - EEE	02	120	55
B.Tech. - ME	03	120	115
B.Tech. - ECE	04	120	120
B.Tech. - CSE	05	180	176
M.Tech. - PS	82	36	7
M.Tech. - DECS	38	18	4
M.Tech. - CSE	58	36	2
M.Tech. - AMS	87	18	0

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### 2. Semester wise Results of 2016-17 AY

		<b>ECE</b>	<b>EEE</b>	<b>CSE</b>	<b>CIVIL</b>	<b>MECH</b>	<b>TOTAL</b>
I B.Tech.	Appeared	121	55	172	109	110	<b>567</b>
	Passed	73	31	87	50	56	<b>297</b>
	Pass %	<b>60.33</b>	<b>56.36</b>	<b>50.58</b>	<b>45.87</b>	<b>50.90</b>	<b>52.38</b>
		<b>ECE</b>	<b>EEE</b>	<b>CSE</b>	<b>CIVIL</b>	<b>MECH</b>	<b>TOTAL</b>
II B.Tech.	Appeared	128	109	99	133	140	<b>609</b>
	Passed	71	63	64	88	89	<b>375</b>
	I Sem. Pass %	<b>55.46</b>	<b>57.79</b>	<b>64.64</b>	<b>66.16</b>	<b>63.57</b>	<b>61.57</b>
II B.Tech.	Appeared	126	104	95	131	136	<b>592</b>
	Passed	103	87	77	84	102	<b>453</b>
	II Sem. Pass %	<b>81.74</b>	<b>83.65</b>	<b>81.05</b>	<b>64.12</b>	<b>75</b>	<b>76.52</b>
		<b>ECE</b>	<b>EEE</b>	<b>CSE</b>	<b>CIVIL</b>	<b>MECH</b>	<b>TOTAL</b>
III B.Tech.	Appeared	112	100	89	141	139	<b>581</b>
	Passed	78	75	57	111	94	<b>415</b>
	I Sem. Pass %	<b>69.64</b>	<b>75</b>	<b>64.04</b>	<b>78.72</b>	<b>67.62</b>	<b>71.42</b>
III B.Tech.	Appeared	114	100	87	139	136	<b>576</b>
	Passed	95	56	68	112	125	<b>456</b>
	II Sem. Pass %	<b>83.33</b>	<b>56</b>	<b>78.16</b>	<b>80.57</b>	<b>91.91</b>	<b>79.16</b>
		<b>ECE</b>	<b>EEE</b>	<b>CSE</b>	<b>CIVIL</b>	<b>MECH</b>	<b>TOTAL</b>
IV B.Tech.	Appeared	127	126	74	138	130	<b>595</b>
	Passed	106	106	66	117	119	<b>514</b>
	I Sem. Pass %	<b>83.46</b>	<b>84.12</b>	<b>89.18</b>	<b>84.78</b>	<b>91.53</b>	<b>86.38</b>
IV B.Tech.	Appeared	127	123	74	136	130	<b>590</b>
	Passed	120	118	73	120	130	<b>561</b>
	II Sem. Pass %	<b>94.48</b>	<b>95.93</b>	<b>98.64</b>	<b>88.23</b>	<b>100</b>	<b>95.08</b>

		<b>PS</b>	<b>DECS</b>	<b>CSE</b>	<b>TOTAL</b>
M.Tech.	Appeared	08	04	01	<b>13</b>
	Passed	06	04	01	<b>11</b>
	I Sem. Pass %	<b>75</b>	<b>100</b>	<b>100</b>	<b>84.61</b>
		<b>PS</b>	<b>DECS</b>	<b>CSE</b>	<b>TOTAL</b>
M.Tech.	Appeared	08	04	01	<b>13</b>
	Passed	<b>05</b>	<b>03</b>	<b>01</b>	<b>09</b>
	II Sem. Pass %	<b>62.5</b>	<b>75</b>	<b>100</b>	<b>69.23</b>

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### 3. Placements of 2016-17 AY

Name of the employer with contact details	Package received	Number of students placed	Program graduated from
COMTEC Contact Person - SUDESH, Contact No-9849983145	3.25 LPA	1	CSE
COMTEC Contact Person - SUDESH, Contact No-9849983145	3.25 LPA	2	ECE
SLK Contact person - VIJAY KUMAR, Contact No : 9900142453	2.4 LPA	2	CSE
SLK Contact person - VIJAY KUMAR, Contact No : 9900142453	2.4 LPA	3	ECE
SLK Contact person - VIJAY KUMAR, Contact No : 9900142453	2.4 LPA	5	EEE
BYJU'S Contact Person- JAHEER Contact no- 9182227472	7 LPA	3	CSE
BYJU'S Contact Person- JAHEER Contact no- 9182227472	7 LPA	5	ECE
BYJU'S Contact Person- JAHEER Contact no- 9182227472	7 LPA	1	EEE
BYJU'S Contact Person- JAHEER Contact no- 9182227472	7 LPA	9	MECHANICAL
GI GROUP Contact Person - ANIL Contact No -04040173405	2.1 LPA	1	EEE
GI GROUP Contact Person - ANIL Contact No -04040173405	2.1 LPA	6	CSE
GI GROUP Contact Person - ANIL Contact No -04040173405	2.1 LPA	1	CSE
GI GROUP Contact Person - ANIL Contact No -04040173405	2.1 LPA	1	ECE

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GI GROUP Contact Person - ANIL Contact No -04040173405	2.1 LPA	4	EEE
CP AQUA, Contact Person - Pradeep Contact No- 8148899259	2.8 LPA	1	ECE
CP AQUA, Contact Person - Pradeep Contact No- 8148899259	2.8 LPA	1	MECHANICAL
HCL, Contact Person - VINODHINI Contact No- 04443935000	1.8 LPA	3	EEE
HCL, Contact Person - VINODHINI Contact No- 04443935000	1.8 LPA	1	ECE
HCL, Contact Person - VINODHINI Contact No- 04443935000	1.8 LPA	10	CSE
COLLABERA, Contact Person - SURAJ Contact No- 8310140467	1.8 LPA	4	EEE
COLLABERA, Contact Person - SURAJ Contact No- 8310140467	1.8 LPA	1	ECE
COLLABERA, Contact Person - SURAJ Contact No- 8310140467	1.8 LPA	10	CSE
GLOBALEDGE, Contact Person - Vinay Contact No- 8095501073	3.0 LPA	1	ECE
GLOBALEDGE, Contact Person - Vinay Contact No- 8095501073	3.0 LPA	2	CSE
ISUZU Contact Person -NARESH Contact No- 8074582901	1.2 LPA	3	MECHANICAL
SYNTEL, Contact Person - RAM , Contact No- 044 47428020	3.1 LPA	4	EEE
AMAR RAJA CONTACT PERSON : Jagan Mohan CONTACT NO - 9000711129	2.4 LPA	1	EEE
HYUNDAI Contact Person : Vishwanadham Contact Person : 9032658678	4 LPA	2	MECHANICAL

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INFORMATION ASSEST LLC Contact Person : Anusha Contact No : 8867151061	2.4 LPA	2	ECE
INFORMATION ASSEST LLC Contact Person : Anusha Contact No : 8867151061	2.4 LPA	3	CSE
MCORE Contact Person : Sai Srinivas Contact No : 7624991436	1.8 LPA	2	EEE
KARVY Contact Person : Shiva Nair Contact No : 7299072993	1.4 LPA	32	ECE
TEAMLEASE Contact Person : HARI P Contact No : 9900236420	2.4 LPA	2	ECE
DIAMLER Contact Name-Mohammed Imran, Contact No - 9959805511	1.8 LPA	1	MECHANICAL
NELCAST , Contact Person - NS Reddy Contact No- 9701567204	2.4 LPA	1	EEE
NELCAST , Contact Person - NS Reddy Contact No- 9701567204	2.4 LPA	4	MECHANICAL
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	17	CSE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	8	ECE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	18	EEE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	41	MECHANICAL
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	11	CIVIL
OFF CAMPUS DRIVES RELATED TO SOFTWARE	1.8 TO 3.5 LPA	50	CSE,ECE,EEE
CIVIL CONSTRUCTION COMPANIES	1.8-3 LPA	59	CIVIL
<b>Total</b>		<b>339</b>	

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### 4. Professional development / administrative training programs organized by the Institute for teaching and non teaching staff During 2016-17AY

Title of the professional development program organized	Dates (from-to)	No. of participants
<b>For Teaching Staff</b>		
Five days FDP on “Matlab- A Practical Approach to Engineering Problems”, Organized by department of Electronics & Communication Engineering, N.B.K.R.I.S.T and Capricot Technologies Pvt. Ltd.Banglore, during 1 <sup>st</sup> to 5 <sup>th</sup> May 17.	01.05.2017 - 05.05.2017	14
Workshop on Advanced Microprocessors &Microcontrollers	14.09.2016 - 19-09-2016	16
FDP on AUTOCAD	13.06.2017 - 18.06.2017	27
A one week FDP on “Advances in Renewable Energy sources” at NBKRIST, Vidyanagar.	27.06.2017 - 02.07.2017	34
Software engineering	17.06.2016 - 28.06.2016	1
Internet of Things	28.02.2017 - 05.03.2017	1
Grid computing and data mining	20.06.2016 - 24.06.2016	1
Data science and big data analytics	25.11.2016 - 30.11.2016	1
Computer networks	17.06.2016 - 26.06.2016	2
Cloud computing	22-09-2016 -25-09-2016	2
Data analytics & machine learning	21.10.2016 - 22.10.2016	1
Advanced wireless network and mobile networks	22.04.2017 - 27.04.2017	15
<b>For Non-Teaching Staff</b>		
Pradhan Mantri Kaushal Vikas Yojana(PMKVY) (DTH-set up box installation	15.11.2016 - 17.04.2017	17
A skill development program under PMKVY certificate training program on assistant electrician	Nov16- oct17	17
<b>Total Programmes: 14</b>		



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### 5. Teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during 2016-17 AY

S.No.	Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
1	7	One day state level workshop on "Neeru-Pragathi", Organized by the Andhra Pradesh State Council of Higher education, Amaravathi, on 08 <sup>th</sup> may 2017, at Acharya Nagarjuna University, Guntur.	08.05.2017
2	14	Five days FDP on "Matlab- A Practical Approach to Engineering Problems", Organized by department of Electronics & Communication Engineering, N.B.K.R.I.S.T and Capricot Technologies Pvt. Ltd.Banglore, during 1 <sup>st</sup> to 5 <sup>th</sup> May 17.	01.05.2017 to 05.05.2017
3	2	One week APSSDC FIP on "Robot Structural analysis", at QIS college of Engineering from 17th to 22th April 2017.	17.04.2017 to 22.04.2017
4	2	Five days Short Term Course on "Health Monitoring of Structures" Sponsored by AICTE under QIP and organized by Thangal Kunju Musaliar College of Engineering, Kollam, Kerala during 20th Feb 2017 to 25th Feb 2017.	20.02.017 to 25.02.2017
5	1	One day workshop on "Neeru-Pragathi-District Irrigation Vision Document", organised by Water Resources Department, Govt. of Andhra Pradesh, Nellore on 08th Feb. 2017 at ACSR Govt. Medical College Seminar Hall, Nellore.	08.02.2017
6	1	Two week orientation program on "Research Methodology and Intellectual Property Rights", 13-06-2016 at JNTUA-Ananthapuram.	13.06.2016 to 25.06.2016
7	14	FDP on MATLAB- A Practical Approach for Engineers	1st May to 5th May 2017
8	3	Advanced Wireless and Mobile Networks	22nd to 27th April 2017
9	1	Speech and Image Processing	10th to 15th April 2017
10	1	CMOS, Mixed Signal and Radio Frequency VLSI Design	30th January to 4th Feb 2017
11	2	Image Processing and its Applications using MATLAB	6thJanuary to 7th

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			September 2017
12	1	Designing Smart Sensor Systems	12th to 16th December 2016
13	1	Embedded Systems	29th Nov to 04th December 2016
14	1	Advancements of Image and Video Processing	30th Sep to 1st October 2016
15	1	Digital Image Processing, Pattern Recognition and its Applications	19th to 20th September 2016
16	1	Antenna design and simulation with HFSS software	19th to 21st September 2016
17	12	Advanced Microprocessors & Microcontrollers	14th to 18th September 2016
18	1	MSP430 & TIVA Microcontrollers	23rd to 24th July 2016
19	1	Training program “Advanced Microcontrollers & Interfacing”	11th to 15th July 2016
20	1	NPTEL workshop	30th June 2016
21	1	Advances in Renewable Energy Sources	27th June to 2nd July 2016
22	22	Advances in Renewable Energy sources	27th June to 2nd July 2017
23	13	Electric Power System	12th June to 15th July 2017
24	2	Graphical System Design approach in Engineering Education & Research	19th -20th Aug 2016
25	1	Advanced FEM Applications in Design	1-2, Sep 2016
26	12	Advanced Microprocessors & Microcontrollers	14 <sup>th</sup> to 18th September 2016
27	3	Advanced Wireless and Mobile Networks	22 <sup>nd</sup> to 27 <sup>th</sup> April 2017
28	1	Advancements of Image and Video Processing	30 <sup>th</sup> Sep to 1 <sup>st</sup> October 2016
29	2	Advances in Renewable Energy Sources	27 <sup>th</sup> June to

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			2 <sup>nd</sup> July 2016
30	3	Android Developer Fundamentals	06-09-2016 To 10-09- 2016
31	1	Antenna design and simulation with HFSS software	19 <sup>th</sup> to 21 <sup>st</sup> September 2016
32	24	AutoCAD, BIM Global Solutions at NBKRIST, Vidyanagar	13-16, June 2017
33	2	AutoDesk NASTRAN in CAD	28 <sup>th</sup> Nov – 3 <sup>rd</sup> Dec 2016
34	22	CATIA V5	10-15, April 2017
35	2	Cloud Computing	22-09-2016 To 25-09- 2016
36	1	CMOS, Mixed Signal and Radio Frequency VLSI Design	30 <sup>th</sup> January to 4 <sup>th</sup> Feb 2017
37	2	Computer Networks	17-06-2016 To 26-06- 2016
38	3	Data Analytics & Machine Learning with R	21-10-16 To 22-10-2016
39	3	Data Science & Big Data Analytics	25-11-2016 To 30-11- 2016
40	1	Designing Smart Sensor Systems	12 <sup>th</sup> to 16 <sup>th</sup> December 2016
41	1	Digital Image Processing, Pattern Recognition and its Applications	19 <sup>th</sup> to 20 <sup>th</sup> September 20 16
42	1	Embedded Systems	29 <sup>th</sup> Nov to 04 <sup>th</sup> December 2016
43	2	Emerging Trends in Welding Technology	20 <sup>th</sup> Aug 2016
44	2	Entrepreneurship Awareness Camp	21-23, Feb 2017
45	14	FDP on MATLAB- A Practical Approach for Engineers	1 <sup>st</sup> May to 5 <sup>th</sup> May 2017
46	14	Five days FDP on “Matlab- A Practical Approach to Engineering Problems”, Organized by department of Electronics & Communication Engineering, N.B.K.R.I.S.T and Capricot Technologies Pvt.	01.05.2017 to 05.05.2017

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		Ltd.Banglore, during 1 <sup>st</sup> to 5 <sup>th</sup> May 17.	
47	2	Five days Short Term Course on “Health Monitoring of Structures” Sponsored by AICTE under QIP and organized by Thangal Kunju Musaliar College of Engineering, Kollam, Kerala during 20th Feb 2017 to 25th Feb 2017.	20.02.017 to 25.02.2017
48	2	Grid Computing & Data Mining	20-06-2016 To 24-06-2016
49	1	IBM Business Analytics	21-11-2016 To 26-11-2016
50	2	Image Processing and its Applications using MATLAB	6 <sup>th</sup> January to 7 <sup>th</sup> September 2017
51	1	Influences on Entrepreneur Intention among Technical Graduates	29-31, March 2017
52	1	Internet of Things(IoT)	28-02-2017 To 05-03-2017
53	1	IoT	13-02-2016
54	1	Java Fundamentals & Programming	19-02-2016
55	3	Mat lab-A Practical approach to Engineering problems	1-5, May 2017
56	1	Matlab- A Practical Approach to Engineering Problems	01-05-2017 To 05-05-2017
57	1	Mechanics and Dynamics of Precision Machining Processes	25-29, July 2016
58	1	MSP430 & TIVA Microcontrollers	23 <sup>rd</sup> to 24 <sup>th</sup> July 2016
59	7	One day state level workshop on "Neeru-Pragathi", Organized by the Andhra Pradesh State Council of Higher education, Amaravathi, on 08 <sup>th</sup> may 2017, at Acharya Nagarjuna University, Guntur.	08.05.2017
60	1	One day workshop on "Neeru-Pragathi-District Irrigation Vision Document”, organised by Water Resources Department, Govt. of Andhra Pradesh, Nellore on 08th Feb. 2017 at ACSR Govt. Medical College Seminar Hall, Nellore.	08.02.2017
61	2	One week APSSDC FIP on “Robot Structural analysis”, at QIS college of Engineering from 17th to 22th April 2017.	17.04.2017 to 22.04.2017

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62	16	One week FDP on "Advances in Renewable Energy Sources", Organized by department of Electrical and Electronics Engineering, NBKR Institute of Science and Technology, from 27 <sup>th</sup> June to 02 <sup>nd</sup> July 2017.	27.06.2017 to 02.07.2017
63	2	R Programming for Scientist and Engineers	30 -06-2017 To 05-07- 2017
64	1	Recent Trends in Optimization Techniques-RTOT 2017	21-04-2017
65	1	Speech and Image Processing	10 <sup>th</sup> to 15 <sup>th</sup> April 2017
66	1	Third Serb Summer School on Robotics	23-28, June 2017
67	2	TQMCP-2017	4 <sup>th</sup> April 2017
68	1	Training program "Advanced Microcontrollers & Interfacing"	11 <sup>th</sup> to 15 <sup>th</sup> July 2016
69	1	Two week orientation program on "Research Methodology and Intellectual Property Rights", 13-06-2016 at JNTUA-Ananthapuram.	13.06.2016 to 25.06.2016
70	2	Graphical System Design approach in Engineering Education & Research	19th -20th Aug 2016
71	22	Advances in Renewable Energy sources	27th June to 2nd July 2017
72	13	Electric Power System	12th June to 15th July 2017
73	15	Advanced Wireless Networks and Mobile Networks	22-04-2017 to 27-04- 2017
74	2	Cloud Computing	22-09-2016 to 25-09- 2016
75	2	Software Engineering	17-06-2016 28-06-2016
76	3	Data Science & Big Data Analytics	25-11-2016 to 30-11- 2016
77	1	Internet of Things(IoT)	28-02-2017 to 05-03- 2017
78	2	Grid Computing & Data Mining	20-06-2016 To 24-06- 2016
79	2	Data Analytics & Machine Learning	21-10-2016 To 22-10-

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			2016
80	2	Computer Networks	17-06-2016 to 26-06- 2016
81	1	Basic Business Research Methods	08-06-2017 to 10-06- 2017
82	2	Android Developer Fundamentals	06-09-2016 To 10-09- 2016
83	1	Recent Trends in Optimization Techniques-RTOT 2017	4/21/2017
84	1	Java Fundamentals & Programming	2/19/2016
85	1	IoT	2/13/2016
86	1	Research Methodology & Technical Paper Writing	26-02-2017 To 27-02- 2017
87	1	Matlab-A Practical Approach to Engineering Problems	01-05-2017 To 05-05- 2017
88	1	Android Developer Fundamentals	24-07-2017 To 28-07- 2017
89	1	IBM Business Analytics	21-11-2016 To 26-11- 2016
<b>Total Programmes: 89</b>			<b>Total Teachers attended: 351</b>

**6. Publications: Journals/books/conferences-Proceedings of 2016-17 AY**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Depart. of the teacher</b>	<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>
An Experimental Investigation on Mechanical Properties of Bacterial Concrete	N.Venkateswarlu	CE	International Journal of Research and Analytical Reviews	2016	2349-5138
Utilization of fly ash and super plasticizers filled binary concrete on split tensile strength.	K.Sundeep Kumar	CE	International Journal of Scientific Research in Science and Technology	2016	2395-6011
Aging characteristics of binary concrete filled with fly ash/Plasticizers on compressive strength.	K.Sundeep Kumar	CE	International Journal of Scientific Research in Science and Technology	2016	2395-6011
Investigation of Flexural strength of Fly Ash and Super Plasticizers filled Binary concrete composites,	K.Sundeep Kumar	CE	International Journal of Scientific Research in Science and Technology	2016	2395-6011
Analysis of water quality index for ground water in gudur rmandal, SPSR NelloreDt,A.P:Integrated with RS &GIS",	N. Harish	CE	Internnational Journal of Engineering Research and Applications (IJERA)	2016	2248-9622
Significance of Finite Element Method Based Modeling in Analyzing Temperature Generation and Distribution During Hard Turning.	CH. R.Vikram Kumar B.V.R.M. Kumar K. Hema Chandra Reddy	MED	International Journal of Mechanical and Production Engineering Research and Development	2016	2320-2092

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Finite Element Model Based on Abaqus / Explicit To Analyze The Temperature Effects Of Turning.	CH. R.Vikram Kumar B.V.R.M. Kumar K. Hema Chandra Reddy	MED	International Journal of Applied Engineering Research	2016	0973-4562
Influence of Heat Input and PWHT on the Microstructure and Mechanical Properties in Dissimilar (IS2062-EN8) Welded Joints.	M. Bala Chennaiah P. Nanda Kumar K. Prahlada Rao	MED	Procedia computer science.	2016	1877-0509
Effect of cutting speed in turning process Using Finite element modeling	P.Nanda Kumar P S Ravi kumar	MED	International Journal of latest trends in Engineering and Technology.	2016	2319-3778
Multi Response Optimization for Turning AISI 1040 Steel with Extreme Pressure Additive included Vegetable Oil Based Cutting Fluids Using Grey Relational Analysis	B. Satheesh Kumar G. Padmanabhan P. Vamsi Krishna	MED	Journal of Advanced Research in Materials Science.	2016	2289-7992
Evaluation Of Vegetable Oil Based Cutting Fluids With Extreme Pressure Additive in Turning AISI 1040 Steel Using Taguchi Method	B. Satheesh Kumar G. Padmanabhan P. Vamsi Krishna	MED	Manufacturing Technology Today, CMTI.	2016	0972-7396
Performance Assessment of Vegetable Oil based Cutting Fluids with Extreme Pressure Additive in Machining	B. Satheesh Kumar G. Padmanabhan P. Vamsi Krishna	MED	Journal of Advanced Research in Materials Science	2016	2289-7992
Evaluation of Canola Based Cutting Fluid with Extreme Pressure Additive in Turning AISI 1040 Steel	Brahma Reddy ALS B. Satheesh Kumar Padmanabhan G	MED	Manufacturing Technology Today, CMTI.	2016	0972-7396
Prediction of cutting forces in turning of AISI-4140 steel using FEA and experimental validation.	P. Nanda Kumar G. Ranga Janardhana M. Sivaramakrishnaiah	MED	Journal on Mechanical Engineering.	2016	2230-7055
Fabrication and Characteristics of AMC/RHA Functionally Graded Materials by Controlled Mold Filling	P.Nanda Kumar P.S.Ravi Kumar G. Ranga Janardhana	MED	Journal on Material Science.	2016	2347-2235
Identification of Intra-Cardiac Masses based on Advanced	Dr. G. Harinatha Reddy, M.	ECE	International Journal for	2016	23210613



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ACM Segmentation using Multiclass SVM Classifier	Archana		Scientific Research & Development		
Implementation of SDC using I2C multi master-multi slave With wishbone signal	Dr. K.Nagi Reddy, G.Nandini	ECE	i-manager's Journal on Communication Engineering and Systems	2016	22775 102
Performance Evaluation of Rectangular Enclosure for any Arbitrary Polarization Angle	Dr. G. Kameswari	ECE	<b>Springer LNEE series</b>	2016	18761 119
Optimal Placement of Transmitter in MIMO-OTH Radar	GV. Ramanaiiah, I. Jithendra	ECE	International Journal of Advances in Engineering and Applied Science (IJAEAS)	2016	23481 811
Retinal Vessel Extraction with segmentation	R. Lavanya Ammari Sippora	ECE	IJERECE	2016	<b>23946 849</b>
Splicing Forgery Detection JPEG Compression through Quantization Noise Analysis	M. Raveendra, SK. Abid	ECE	IJSETR	2016	23198 885
Design and Analysis of approximate compressor for multiplication	A. Mysura Reddy , T. Karunakar	ECE	International Journal of Advances in applied Science, Engineering	2016	23481 811
Enhancement of MRI image quality using pre-processing techniques	Ch. Murali Krishna Yadav	ECE	IJMETMR	2016	23484 845
A Dynamic Raspberry Pi Sense HAT Multimodality Alerting System by using AWS IoT	U. Sreenivasulu	ECE	Indian Journal of Science and Technology	2016	97468 46
Achieving QOS Requirements using Evolutionary Computation scheduling schemes in 802.16 Networks	U. Sreenivasulu	ECE	Journal of Theoretical and Applied Information Technology	2016	19928 645
Comparative Analysis of Medical Image Fusion Techniques using Lifting Wavelet Transform	Dr.S.Manikanda Prabu	CSE	IJTRD	2016	2394- 9333
A Partion based approach for mining closed item sets with tough constraints	T.V Mahendra	CSE	IJLEMR	2016	2455- 4847

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Reputation-Based Trust Evaluation by Extracting Users Assessment	G.V.Konda Reddy	CSE	IJTRA	2016	2320-8163
An Optimization Technique for Generation Minimal Pairwise test case for Testing WEB Links	M.Lakshmi Prasad	CSE	IJACTE	2016	2319-2526
A Partition based approach for mining Closed Item sets with tough constraints	Mr.T.V.Mahendra	CSE	IJLEMR	2016	2455-4847
Peristaltic Hemodynamic Jeffery Fluid through a Tapered Channel with Heat and Mass Transfer under the Influence of Radiation –Blood Flow Model	S. Ravi Kumar	S & H	International Journal of Hybrid Information Technology	2016	1738-9968
Hydromagnetic peristaltic transportation with porous medium through coaxial asymmetric vertical tapered channel and joule heating,	S Ravi Kumar	S & H	Applications and Applied S & H: An International Journal (AAM)	2016	1932-9466
Analysis of Joule heating and Radiation on Hydromagnetic Peristaltic flow with porous medium through a coaxial asymmetric Vertical Inclined Tapered Channel,	Sk. Abzal S.Vijaya Kumar Varma S.Ravikumar	S & H	Ultra Scientist A	2016	2231-3478
Influence of Slip and Joule Heating on MHD Peristaltic Blood flow with uniform inclined asymmetric Vertical Tapered Channel in the presence of Radiation-Blood flow model	Sk. Abzal S.Vijaya Kumar Varma S.Ravikumar	S & H	Ultra Scientist A	2016	2231-3478
Influence of Slip and Joule Heating with Radiation on MHD Peristaltic Blood Flow with Porous Medium through a Coaxial Asymmetric Vertical Tapered Channel- Blood Flow Analysis Study	Sk. Abzal S.Vijaya Kumar Varma S.Ravikumar	S & H	International Journal of Advanced Science and Technology	2016	2005-4238
Magneto hydrodynamic Peristaltic Transport with Porous Medium through a Coaxial Asymmetric Vertical Tapered Channel and Joule Heating with Radiation.	Sk. Abzal S.Vijaya Kumar Varma S.Ravikumar	S & H	Elixir Appl. Math	2016	2229-712X.

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Analysis of Heat Transfer on MHD Peristaltic Blood Flow with Porous Medium through Coaxial Vertical Tapered Asymmetric Channel with Radiation – Blood Flow Study	S.Ravikumar	S & H	International Journal of Bio-Science and Bio-Technology	2016	2233-7849
Influence of heat transfer on magnetohydrodynamic Peristaltic blood flow with porous medium through a coaxial Vertical asymmetric tapered channel –an analysis of blood Flow study	Sk. Abzal D.Vijaya Kumar Varma S.Ravikumar	S & H	IJESRT	2016	2277-9655
Effects of heat transfer on peristaltic pumping of a Newtonian fluid in asymmetric channel with radiation, International	G. Ravindranath Reddy, S. Ravikumar G.S.S. Raju	S & H	Journal of Mathematical Archive	2016	2229-5046
MHD Peristaltic Transportation of a Conducting Blood Flow with Porous Medium through Inclined Coaxial Vertical Channel,	S. Ravikumar	S & H	International Journal of Bio-Science and Bio-Technology	2016	2233-7849
Transient MHD mass transfer flow past an impulsively started vertical plate in a porous medium with ramped temperature, thermal diffusion and radiation	Dr. S.Nandakishore	S&H	International journal of development research	2016	ISSN: 2230 - 9926
	D.Ravikumar				
Effects of peristaltic flow of a couple stress fluids through a porous medium in a channel at low Reynolds number	Dr. S.Nandakishore	S&H	International Journal of emerging trends in Science & Technology	2016	ISSN: 2348 - 9480
A study of radiation and mass transfer effects on unsteady MHD free convective fluid flow embedded in a porous medium with heat generation/absorption	Dr. S.Nandakishore, D.Ravikumar	S&H	International Journal of recent Scientific Research	2016	ISSN: 0976 - 3031
The effects of cross-diffusion and stratification in the	Madhava Reddy Ch et. al.	S & H	<i>Global Journal of Pure and</i>	2016	0973-1768

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Brinkman porous medium in unsteady natural convection currents on past started vertical plate			<i>Applied S &amp; H</i>		
The effects of cross-diffusion in the Brinkman porous medium on unsteady natural convection doubly stratified fluid past vertical plate with variable surface heat and mass flux	Madhava Reddy Ch et. al.	S & H	<i>Global Journal of Pure and Applied S &amp; H</i>	2016	0973-1768
Double dispersion effects in the Brinkman porous medium on unsteady natural convection stratified fluid past vertical plate with variable flux	Madhava Reddy Ch et. al.	S & H	<i>Global Journal of Pure and Applied S &amp; H</i>	2016	0973-1768
The effects of cross-diffusion on unsteady natural convection stratified fluid past vertical plate with variable flux	Madhava Reddy Ch et. al.	S & H	<i>International Journal of Innovative Research In Technology</i>	2016	2349-6002
Effects of thermal diffusion and chemical reaction on MHD transient free convection flow past a porous vertical plate with radiation, temperature gradient dependent heat source in slip flow regime.	S.M.Ibrahim, K.Suneetha	S & H	<i>Journal of Computational and Applied Research in Mechanical Engineering</i>	2016	83-95 ISSN: 2228-7922
Heat Source and Chemical effects on MHD Convection flow embedded in a porous medium with Soret, Viscous and Joules dissipation	S.M.Ibrahim, K.Suneetha	S & H	<i>Ain Shams Engineering Journal</i>	2016	811-818 ISSN: 2090-4479
Influence of thermo-diffusion and heat source on MHD free convective radiating dissipative boundary layer of chemically reacting fluid flow in a porous vertical surface	S.M.Ibrahim, K.Suneetha	S & H	<i>Journal of Advances in Applied S &amp; H</i>	2016	17-28 ISSN: N: 2414-6358
Analysis of Joule heating and Radiation on Hydromagnetic Peristaltic flow with porous medium through a coaxial asymmetric Vertical Inclined Tapered Channel,	<b>Sk. Abzal</b> S.Vijaya Kumar Varma S.Ravikumar	S & H	Ultra Scientist A	2016	2231-3478
Influence of Slip and Joule Heating on MHD Peristaltic	<b>Sk. Abzal</b> S.Vijaya Kumar	S & H	Ultra Scientist A	2016	2231-3478

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Blood flow with uniform inclined asymmetric Vertical Tapered Channel in the presence of Radiation-Blood flow model	Varma S.Ravikumar				
Influence of Slip and Joule Heating with Radiation on MHD Peristaltic Blood Flow with Porous Medium through a Coaxial Asymmetric Vertical Tapered Channel- Blood Flow Analysis Study	<b>Sk. Abzal</b> S.Vijaya Kumar Varma S.Ravikumar	S & H	International Journal of Advanced Science and Technology	2016	2005-4238
Magnetohydrodynamic Peristaltic Transport with Porous Medium through a Coaxial Asymmetric Vertical Tapered Channel and Joule Heating with Radiation.	<b>Sk. Abzal</b> S.Vijaya Kumar Varma S.Ravikumar	S & H	Elixir Appl. Math	2016	2229-712X.
Influence of heat transfer on magnetohydrodynamic Peristaltic blood flow with porous medium through a coaxial Vertical asymmetric tapered channel –an analysis of blood Flow study	<b>Sk. Abzal</b> D.Vijaya Kumar Varma S.Ravikumar	S & H	IJESRT	2016	2277-9655
Influence of velocity slip and temperature jump conditions on MHD Peristaltic flow of a Carreau fluid in a porous channel with compliant walls.	<b>R. Sivaiah</b> , R.Hemadri Reddy, R. Saravana, S. Sreenadh	S & H	<i>Global journal of pure and applied S &amp; H</i>	2016	0973-1768
Influence of Wall Properties on Peristaltic flow of a Pseudoplastic fluid through porous channel with Heat Transfer.	<b>R. Sivaiah</b> , R. Saravana, A. Kavitha, S. Sreenadh	S & H	<i>Global journal of pure and applied S &amp; H</i>	2016	0973-1768
Properties of chemical bath deposited Cu <sub>2</sub> S thin films	S. Suresh, C. Raveendra Reddy, G. Suresh Babu, T. Veera Reddy	S & H	International Journal of Scientific Development and Research	2016	2455-2631
Influence of particles on Lead speciation of estuarine waters under UV-B radiation	<b>M. Praveen Kumar</b>	S & H	<i>Environmental Science and Pollution research,</i>	2016	0944-1344
Structural, thermal and optical properties of Mn <sup>2+</sup> doped Methacrylic Acid – Ethyl Acrylate (MAA:EA) copolymer films	Y. Madhava Kumar, K. Bhyagyasree, N.O. Gopal, Ch. Ramu, H. Nagabhushana.	S&H	Z. Phys. Chem.	2016	2196 - 7195

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Spectroscopic, Morphological And Structural investigations Of Fe <sup>3+</sup> Ions Doped ethacrylic Acid- Ethyl Acrylate (MAA:EA) Copolymer Films	Y. Madhava kumar , K. Bhyagya sree, N.O. Gopal, Ch. Ramu	S&H	Advances in Polymer Science and Technology: An International Journal	2016	
Effect of Mn <sup>2+</sup> Ions addition on the ionic conductivity of Methacrylic Acid – Ethyl Acrylate (Maa: Ea) copolymer electrolyte films.	Y.MadhavaKumar, Ch. Ramu, K. Bhagyasree, N.O Gopal.	S&H	International Journal of Recent Scientific Research,	2016	0976 - 3031
Doping dependence of optical and electrical properties of Fe <sup>3+</sup> doped Methacrylic acid – Ethylacrylate (MAA:EA) copolymer electrolytes.	Y.MadhavaKumar, Ch. Ramu, K. Bhagyasree, N.O Gopal.	S&H	International Journal of Current Research,	2016	0975 – 833X
Impedance Spectroscopy and structural analysis of VO <sup>2+</sup> doped Poly vinyl chloride (PVC) electrolytes.	Y.MadhavaKumar, Ch. Ramu, K. Bhagyasree, N.O Gopal.	S&H	Institute of Research Advances,	2016	2455 - 4499
Structural, thermal and optical properties of pure and Mn <sup>2+</sup> doped Poly (vinyl chloride) films.	Y.MadhavaKumar, Ch. Ramu, K. Bhagyasree, N.O Gopal.	S&H	Materials research	2016	1980- 5373
Luminescent Studies on Mn <sup>2+</sup> doped CdTe Particles	K.Ravindranadh et. al.	S&H	Journal of Chemical and Pharmaceutical Research	2016	0975- 7384

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### 7. IQAC Initiatives of 2016-17 AY

S.No.	Name of quality initiative by IQAC	Duration (from – to)
1	All courses are accredited by NBA under Tier-I for Three years (2016-17 to 2018-19)	11-11-2016 to 13-11-2016
2	1-day workshop on “startups”	4/4/2017
3	Participated in National Institutional Ranking Framework (NIRF)	12/2/2016
4	Guest lecture on ”AWARENESS PROGRAMME ON WOMEN ENTREPRENEURSHIP	3/8/2017
5	3-day workshop on ”ENTREPRENEURSHIP AWARENESS CAMP (EAC)	21-02-2017 to 23-02-2017
6	Institute Hosted Silver Jubilee function of AP. Society for Mathematical Association - Emerging Trends in Mathematical Science applications in Engineering Sciences	09-12-2016 to 11-12-2016
7	Center of Excellence of HUAWEI	
8	Industry Institute Interaction Program Organized by ECE Deptv on 01-03-2017	3/1/2017
9	Techno Quest 2016	10/15/2016
10	Axion -16	3/19/2018
11	Mexodia -17	4/11/2017
12	ISTE Gnosis16	9/24/2016
13	Intro of IETE	17-08-2017
14	Getting a job in software field	9/21/2017
15	Glow your own	10/12/2017
16	Guest Lectures on Projects	12/28/2016
17	Ground Improvement Techniques	1/27/2017
18	Recent Advances in Surveying	7/15/2016
19	Techvyuha 2016-17	03-03-2017 & 04-03-2017
20	Seminar on usage of E-Pass Machine	12/1/2016
21	GATE Awareness Program	3/8/2017
22	VLSI Signal Processing	8/25/2016
23	Hyderabad Institute of Electrical Engineer	2/2/2017
24	TCM Core Training courses & Placements	1/23/2017
25	Power Convertors for Industrial Applications	1/27/2017
26	Paper Presentation	4/2/2017
27	Workshop on IOT	3/2/2017
28	Technovates	9/20/2017
29	Guest Lectures on Projects	12/28/2016
30	Debate on Bilingual	10/18/2016
31	Guest Lecture on Basics of Photoshop	6/10/2016

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32	Workshop on Database	9/27/2016
33	Confer the CPE status to the College by UGC	01-04-2016 to 31-03-2021
34	Technovates	9/19/2016
35	Essay Writing Competition- India Need Smart Cities	8/13/2016
36	Debate- Role of Youth in Indian Politics	12/8/2016
37	Awareness programme on Basic electronics	9/27/2018
38	Awareness programme - Intro of project	8/23/2018
39	Esquime creativa - Competition	6/8/2018
40	Interactive session - Competition	7/26/2018

### **8. Extension activities conducted through NSS/NCC during 2016-17 AY**

#### **a) NSS Activities**

Name of the activity	Organising unit/agency/ collaborating agency	Year of the activity	Number of students participated
Participated our students in District level NSS Youth Festival-2017 held in Nellore on 31 <sup>th</sup> January 2017.	NSS Unit	2017	20
Conducted a Mega Blood Donation Camp on 20 <sup>th</sup> February 2017 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Unit	2016	480
Conducted a Blood Donation Camp on 24-8-2016 in NBKR Institute of Science and Technology on the eve of Independence Day	NSS Unit	2016	300

#### **Awards received**

Name of the activity	Name of the Award/ recognition	Name of the Awarding Government/recognised bodies	Year of award
Blood Donation Camp	Appreciation	Red Cross Society	2016-17
Workshop on Digital India	Winner	VS University, Nellore	2016-17
Blood Donation Camp	Appreciation	Govt. Central Hospital, Nellore	2016-17



**b) Students participating in extension activities during 2016-17AY**

<b>Name of the activity</b>	<b>Organizing unit/ agency/ collaborating agency</b>	<b>Number of students participated in such activities</b>
Participated our students in District level NSS Youth Festival-2017 held in Nellore on 31 <sup>th</sup> January 2017.	NSS Unit	20
Conducted a Mega Blood Donation Camp on 20 <sup>th</sup> February 2017 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Unit	480
Conducted a World Aids Day Rally on 1 <sup>st</sup> December 2016 in connection with <b>World Aids Day.</b>	NSS Unit	320
Conducted a Blood Donation Camp on 24-8-2016 in NBKR Institute of Science and Technology on the eve of Independence Day	NSS Unit	300
Conducted a Mega Blood Donation Camp on 20 <sup>th</sup> February 2017 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NBKCRIST Students Union	500
Participated our students in District level NSS Youth Festival-2017 held in Nellore on 31 <sup>th</sup> January 2017.	NBKCRIST Students Union	20
Conducted a Mega Blood Donation Camp on 20 <sup>th</sup> February 2017 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NBKCRIST Students Union	480
Conducted a Blood Donation Camp on 28-8-2016 in NBKR Institute of Science and Technology on the eve of Independence Day	NBKCRIST Students Union	300
Conducted an Elocution Competition in connection with National Voters Day	NBKCRIST Students Union	30

**c) Sports Activities**

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

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### 9. Plan of Action by IQAC/Outcome of 2016-17 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>APSSDC skill development programmes to students</li> <li>Extensive training programmes organized by <b>Teamlease Company</b> for all UG students to train them for placement.</li> <li>English spoken tutorials</li> </ul>
<ul style="list-style-type: none"> <li>Proposal to increase in intake and new Programmes</li> </ul>	<ul style="list-style-type: none"> <li>B Tech. in information Technology is introduced and EEE, ECE and ME branches intake increased.</li> </ul>
<ul style="list-style-type: none"> <li>NBA accreditation</li> </ul>	<ul style="list-style-type: none"> <li>All UG courses are accredited by NBA under Tier-1 for three years.</li> </ul>
<ul style="list-style-type: none"> <li>Proposal to online student monitoring system.</li> </ul>	<ul style="list-style-type: none"> <li>All students biometric attendance system introduced</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> <li>JNTUA sanctioned Research centre to offer full time Ph D programmes in EEE, ECE and ME departments</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>Revision of curriculum</li> </ul>	<ul style="list-style-type: none"> <li>New curriculum is introduced from the academic year 2017-18</li> </ul>



**IQAC Coordinator**



**Director**

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