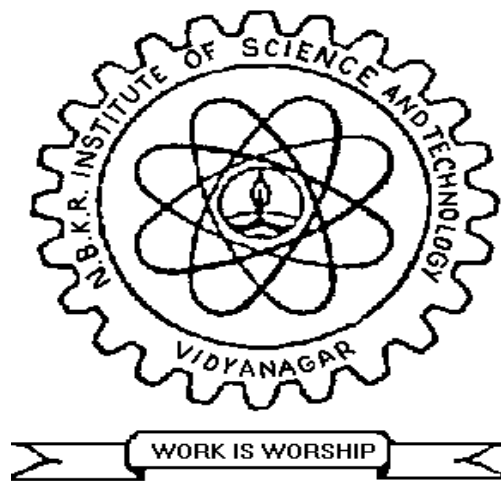


Internal Quality Assurance Cell

Annual Report

2017-18



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 2017-18 AY

Programme name	Programme Code	Number of seats available/sanctioned	Number of Students admitted
B.Tech. - CE	01	180	93
B.Tech. - EEE	02	180	71
B.Tech. - ME	03	180	142
B.Tech. - ECE	04	180	177
B.Tech. - CSE	05	180	173
B.Tech. - IT	12	60	0
M.Tech. - PS	82	18	4
M.Tech. - DECS	38	18	6
M.Tech. - CSE	58	18	1
M.Tech. - AMS	87	18	6

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2. Semester wise Results of 2017-18 AY

		ECE	EEE	CSE	CIVIL	MECH	TOTAL
I B.Tech. I Sem.	Appeared	176	71	169	92	142	650
	Passed	137	43	110	55	90	435
	Pass %	77.84	60.56	65.08	59.78	63.38	66.92
I B.Tech. II Sem.	Appeared	174	71	166	91	138	640
	Passed	116	40	88	44	72	360
	Pass %	66.66	56.33	53.01	48.35	52.17	56.25
		ECE	EEE	CSE	CIVIL	MECH	TOTAL
II B.Tech. I Sem.	Appeared	121	77	163	131	131	623
	Passed	94	39	100	97	96	426
	Pass %	77.68	50.64	61.34	74.04	73.28	68.37
II B.Tech. II Sem.	Appeared	121	76	163	132	130	622
	Passed	82	46	111	101	89	429
	Pass %	67.76	60.52	68.09	76.51	68.46	68.97
		ECE	EEE	CSE	CIVIL	MECH	TOTAL
III B.Tech. I Sem.	Appeared	124	103	94	127	134	582
	Passed	89	82	76	97	99	443
	Pass %	71.77	79.61	80.85	76.37	73.88	76.11
III B.Tech. II Sem.	Appeared	124	100	93	127	133	577
	Passed	94	76	70	103	111	454
	Pass %	75.80	76	75.26	81.10	83.45	78.68
		ECE	EEE	CSE	CIVIL	MECH	TOTAL
IV B.Tech. I Sem.	Appeared	114	100	87	140	136	577
	Passed	101	78	68	120	123	490
	Pass %	88.59	78	78.16	85.71	90.44	84.92
IV B.Tech. II Sem.	Appeared	114	99	85	138	136	572
	Passed	111	84	79	133	129	536
	Pass %	97.36	84.84	92.94	96.37	94.85	93.70

		PS	DECS	AMS	CSE	TOTAL
M.Tech. I Sem.	Appeared	04	06	06	01	17
	Passed	04	06	06	01	17
	Pass %	100	100	100	100	100
		PS	DECS	AMS	CSE	TOTAL
M.Tech. II Sem.	Appeared	04	06	06	01	17
	Passed	04	06	05	01	16
	Pass %	100	100	8.33	100	94.11

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3. Placements of 2017-18 AY

Name of the employer with contact details	Package received	Number of students placed	Program graduated from
BYJUS, Contact Person - Ajay Contact No- 8888312950	7 LPA	1	EEE
BYJUS, Contact Person - Ajay Contact No- 8888312950	7 LPA	4	MECHANICAL
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	6.3 LPA	1	CSE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	6.3 LPA	3	EEE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	6.3 LPA	1	MECHANICAL
EVIVE SOFTWARE	5.3 LPA	0	NBKCRIST
ZOHO, Contact Person - Anand Contact No- 9940277175	4.2 LPA	1	MECHANICAL
GO SPEEDY GO, Contact Person - Sachin Contact No-9337790188	4.12 LPA	10	EEE
GO SPEEDY GO, Contact Person - Sachin Contact No-9337790188	4.12 LPA	4	MECHANICAL
HYUNDAI, Contact Person - Vishwanath Contact No-9032658678	3.6LPA	3	MECHANICAL
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.4 LPA	6	ECE
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.4 LPA	2	EEE
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.4 LPA	4	MECHANICAL

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VIRTUSA, Contact Person - Kriti Vasan Contact No- 8886222662	3.2 LPA	1	CSE
VEDAIIT, Contact Person - Subba Rangaya Contact No- 9849611466	3 LPA	1	ECE
SUNERATECH, Contact Person - Naga Malleshwar Contact No- 9032377331	3 LPA	2	CSE
GLOBALEDGE, Contact Person - Vinay Contact No- 8095501073	3 LPA	2	CSE
INFORMATION ASSET Contact Person - Sanjay Contact No- 9505592062	3 LPA	4	CSE
TALENTIO, Contact Person - Arvind Contact No- 9963960011	3 LPA	1	ECE
SEROLE, Contact Person - Neelakantheswar Rao Contact No- 9866003233	3 LPA	17	CSE
EFFTRONICS, Contact Person - Madhavi Contact No-7893552233	3 LPA	0	NBKRIST
VISTEX	3 LPA	0	NBKRIST
CP AQUA, Contact Person - Pradeep Contact No- 8148899259	2.8 LPA	4	ECE
CP AQUA, Contact Person - Pradeep Contact No- 8148899259	2.8 LPA	1	MECHANICAL
MPHASIS, Contact Person - Vidyaranya Contact No-9686201277	2.6 LPA	5	CSE
MPHASIS, Contact Person - Vidyaranya Contact No-9686201277	2.6 LPA	4	ECE
FACE, Contact Person - Nisha Contact No- 8508932133	2.6 LPA	1	MECHANICAL
SUTHERLAND-VOICE, Contact Person - Chanra Shekar Contact No-	2.5 LPA	23	ECE

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9840099738			
SUTHERLAND-VOICE, Contact Person - Chanra Shekar Contact No- 9840099738	2.5 LPA	2	EEE
SUTHERLAND-VOICE, Contact Person - Chanra Shekar Contact No- 9840099738	2.5 LPA	15	MECHANICAL
ASAP Contact Person - HARI KRISHNAN	2.4 LPA	2	MECHANICAL
SUTHERLAND-NON VOICE Contact Person - Chandra Shekar Contact No- 9840099738	2 LPA	7	CSE
SUTHERLAND-NON VOICE Contact Person - Chandra Shekar Contact No- 9840099738	2 LPA	3	EEE
DQ ENTERTAINMENT, Contact Person - Naga Prasad Contact No- 9100988078	1.8 LPA	7	CSE
DQ ENTERTAINMENT, Contact Person - Naga Prasad Contact No- 9100988078	1.8 LPA	2	ECE
DQ ENTERTAINMENT, Contact Person - Naga Prasad Contact No- 9100988078	1.8 LPA	2	EEE
DQ ENTERTAINMENT, Contact Person - Naga Prasad Contact No- 9100988078	1.8 LPA	3	MECHANICAL
JUSPAY, Contact Person -Shipra Pandit Contact - 7259273877	8 LPA	0	NBKRIST
LG SOFT, Contact Person - Parul Contact No- 08066155000	5.5 LPA	1	CSE
KARVY, Contact Person - Shiva Nair Contact No- 7299072993	1.8 LPA	7	CSE
KARVY, Contact Person - Shiva Nair Contact No- 7299072993	1.8 LPA	20	ECE
KARVY, Contact Person - Shiva Nair Contact No- 7299072993	1.8 LPA	8	EEE

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KARVY, Contact Person - Shiva Nair Contact No- 7299072993	1.8 LPA	19	MECHANICAL
ACCEL FRONTLINE, Contact Person - Justin Contact No-9445249525	2 LPA	2	CSE
CMS Contact Person : JIJO Contact No : 8904421441	1.2 LPA	6	CSE
CMS Contact Person : JIJO Contact No : 8904421441	1.2 LPA	3	ECE
CMS Contact Person : JIJO Contact No : 8904421441	1.2 LPA	4	EEE
CIVIL CONSTRUCTION COMPANIES	1.2 TO 2.4 LPA	83	CIVIL
SOFTWARE & CORE COMPANIES ECE	2.48 LPA	7	ECE
SOFTWARE & CORE COMPANIES (EEE	2.48 LPA	24	EEE
SOFTWARE & CORE COMPANIES EEE & MCHANICAL	2.48 LPA	8	MECHANICAL
Total		341	

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4. Professional development / administrative training programs organized by the Institute for teaching and non teaching staff During 2017-18AY

Title of the professional development program organized	Dates (from-to)	No. of participants
For Teaching Staff		
One week FDP on "Introduction to "Revit Architecture" ,Conducted by ICT Academy on 17 th May 2018 to 22 nd May 2018 at NBKRIST, Andhra Pradesh.	17.05.2018 - 22.05.2018	18
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 th June to 02 nd July 2017.	27.06.2017 - 02.07.2017	16
FDP on Advanced digital image processing techniques	15.12.2017 -16.12.2017	114
FDP on MATLAB-A practical approach to engineering problems	01.5.2017 - 05.05.2017	58
FDP on Catia V5	10.04.2015 -15.04.2015	30
FDP on LabView in Engineering Applications	12.07.2017 -17.07.2017	28
A one week FDP on "Applications,Challenge &solutions of Smart grid Integration with Renewable Energy Sources" at NBKRIST,Vidyanagar.	18.06.2018 - 23.06.2018	27
A three days workshop on "PLC Design" by Andhra Pradesh State Skill development corporation(APSSDC) at NBKRIST Vidyanagar	12.03.2018 - 14.03.2018	98
A one week National Level workshop on "Internet of Things" at NBKRIST,Vidyanagar	11.12.2017-16.12.2017	45
Artificial intelligence	18.12.2018 -22.12.2018	2
Challenges of cyber physical systems	11.12.2017 - 23-12-2017	3
Cyber network and machine learning	03.03.2017	3
Data science and bigdata	05.09.2017 - 09-09-2017	2
Fdp on wireless network	22.04.2017 - 27-04-2017	1
Iot	28.02.2017 - 05-03-2017	1
Solutions of cyber physical systems	23.12.2017	1
Web applications development	30.01.2017 - 31-01-2017	2
For Non-Teaching Staff		
A skill development program under	Nov17-oct18	20

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PMKVY certificate training program on assistant electrician		
Total Programmes:18		

5. Teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during 2017-18 AY

S.No.	Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
1	18	One week FDP on "Introduction to "Revit Architecture" ,Conducted by ICT Academy on 17 th May 2018 to 22 nd May 2018 at NBKRIST, Andhra Pradesh.	17.05.2018 to 22.05.2018
2	3	Two days FDP on "Teaching Techniques" conducted by ICT Academy on 28th Feb 2018 & 1st March 2018 held at N.B.K.R.I.S.T, Vidyanagar.	28.02.2018 & 01.03.2018
3	1	4th International Conference in Ocean Engineering (ICOE 2018), IIT Madras, Chennai on 18th-21st February 2018.	18.02.2018 to 21.02.2018
4	4	Five days FDP on "Construction Project Management Using Oracle Primavera", Organized by the Department of Civil Engineering in association with Assistive Learning Centre Pvt. Ltd. from 18th December to 22nd December 2017.	18.12.2017 to 22.12.2017
5	1	AICTE Sponsored ,Two-week FDP on "Repair and Rehabilitation of RCC elements" Organized by Sri Venkateswara College of Engineering and Technology, Chittoor from 20th Nov 2017 to 02nd Dec 2017.	20.11.2017 to 02.12.2017
6	2	Two-week AICTE FDP on "Applications of Geomatics for Disaster Management (AGDM-2017)" Organized by Centre for Water Resources, IST, JNTUH, from 13th-25th November 2017.	13.11.2017 to 25.11.2017
7	1	AICTE Sponsored Two week FDP on "Limit State Design of steel structures", Organized by the Department of Civil Engineering, Sethu Institute of Technology, during 7th to 20th Nov 2017.	07.11.2017 to 20.11.2017
8	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 th June to 02 nd July 2017.	27.06.2017 to 02.07.2017
9	3	Teaching Techniques	28thFebruary to 01stMarch 2018

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10	1	IOT & Embedded Systems	14th to 15th February 2018
11	1	Signal Processing with Simulink	07th to 09th February 2018
12	1	Advanced Trends in Signal Processing and Applications	29th January to 3rd February 2018
13	15	Advanced Digital Image Processing Techniques	15th to 16th December 2017
14	1	Introduction to Machine Learning	16-17 December, 2017
15	4	Python Programming	1st to 31st December 2017
16	10	Artificial Intelligence Revolution	22nd November 2017
17	3	Electronic ASLK PRO	20th to 21st September 2017
18	1	Pedagogy Online and Blended Teaching – Learning Process	14 th September, 2 017 to 12th October ,2017
19	3	EMC Academic Associate for Big Data Analytics	5th to 9th September 2017
20	1	H.D.L. for Signal, Image & Video Processing	21st to 26th August 2017
21	1	Foundation Program in ICT for Education	3 August ,2017 to 7 th September, 2 017
22	1	Programming Xilinx Zynq SoCs with MATLAB and Simulink	26th to 27th July 2017
23	1	Generating H.D.L. Code from Simulink	24th to 25th July 2017
24	1	Advances in Renewable Energy Sources”	27th June to 2nd July 2017
25	24	Applications, Challenge & solutions of Smart grid Integration with Renewable Energy Sources	18th-23rd June 2018
26	26	Internet of Things	11 th -16 th Dec 2017
27	22	PLC Design” by Andhra Pradesh State Skill development corporation (APSSDC)	12th-14th March 2018
28	6	Recent Power Electronic Developments in Distributed Generation	18th Dec to 22nd Dec

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			2017
29	15	Smart Grid Technologies	4th-9th June 2018
30	1	4th International Conference in Ocean Engineering (ICOE 2018), IIT Madras, Chennai on 18th-21st February 2018.	18.02.2018 to 21.02.2018
31	15	Advanced Digital Image Processing Techniques	15 th to 16 th December 2017
32	1	Advanced Trends in Signal Processing and Applications	29 th January to 3 rd February 2018
33	17	Advanced wireless Networks & Computer Networks	17-06-2016 To 26-06-2016
34	1	AICTE Sponsored ,Two-week FDP on “Repair and Rehabilitation of RCC elements” Organized by Sri Venkateswara College of Engineering and Technology, Chittoor from 20th Nov 2017 to 02nd Dec 2017.	20.11.2017 to 02.12.2017
35	1	AICTE Sponsored Two week FDP on “Limit State Design of steel structures”, Organized by the Department of Civil Engineering, Sethu Institute of Technology, during 7th to 20th Nov 2017.	07.11.2017 to 20.11.2017
36	1	Android Developer fundamentals	24-07-2017 To 28-07-2017
37	11	Artificial Intelligence Revolution	22-11-2017
38	2	Basic Business Research Methods	08-06-2017 To 10-06-2017
39	1	Capacity Building Program on Entrepreneurship Education	11-15, June-2018
40	2	Challenges and Current Solutions of Cyber Physical Systems	11-12-2017 To 23-02-2017
41	1	challenges in software defined networks	16-12-2017
42	14	Data Science & Big-Data Analytics	05-09-2017 To 09-09-2017
43	3	Electronic ASLK PRO	20 th to 21 st September 2017
44	3	EMC Academic Associate for Big Data Analytics	5 th to 9 th September 2017
45	1	Emerging Trends and Research	15-12-2017
46	1	FDP on Recent Advances in Engineering Physics	27.02 to 4.03. 2017

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47	4	Five days FDP on “Construction Project Management Using Oracle Primavera”, Organized by the Department of Civil Engineering in association with Assistive Learning Centre Pvt. Ltd. from 18th December to 22nd December 2017.	18.12.2017 to 22.12.2017
48	1	Foundation Program in ICT for Education	3 August ,2017 to 7 th September,2017
49	1	Generating H.D.L. Code from Simulink	24 th to 25 th July 2017
50	1	H.D.L. for Signal, Image & Video Processing	21 st to 26 th August 2017
51	1	IEEE YP and IEEE PES Sponsored Workshop	6 th Oct, 2017
52	1	Inspection Techniques on Geometric Features	14-18, May 2018
53	10	Internet of Things	26 th to 30 th June 2018
54	1	Introduction to Machine Learning	16-17 December, 2017
55	11	Introduction to Revit Architecture	17-22, May 2018
56	1	IoT	28-02-2017 To 05-03-2017
57	1	IOT & Embedded Systems	14 th to15 th February 2018
58	28	LabView in Engineering Applications	12-17, July 2017
59	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 th June to 02 nd July 2017.	27.06.2017 to 02.07.2017
60	18	One week FDP on "Introduction to “Revit Architecture” ,Conducted by ICT Academy on 17 th May 2018 to 22 nd May 2018 at NBKRIST, Andhra Pradesh.	17.05.2018 to 22.05.2018
61	1	Optimization Techniques for Signal Processing and Network Communication	14 th to 18 th June 2018
62	3	Participated in FDP on Teaching Techniques	28.02.2018 to 1.03.2018
63	1	Pedagogy Online and Blended Teaching –Learning Process	14 th September,2017 to12 th October ,2017
64	1	Programming Xilinx ZynqSoCs with MATLAB and Simulink	26 th to 27 th July 2017
65	4	Python Programming	1 st to 31 st

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			December 2017
66	1	Quality Circles & KAIZEN	25-26, Jun 2018
67	3	R Programming for Scientist and Engineers	30-06-2017 To 05-07-2017
68	1	Rapid Casting Techniques(A Hands-on Praticce)	27-11-2017 To 09-12-2017
69	1	Recent Trends in IOT	13-11-2017 To 18-11-2017
70	1	Signal Processing with Simulink	07 th to 09 th February 2018
71	1	Solutions of Cyber Physical Systems	23-12-2017
72	1	Startup Boot Camp	15-17, Sep 2017
73	3	Teaching Techniques	28 th February to 01 st March 2018
74	3	Teaching Techniques	28 th Feb -1 st Mar 2018
75	1	Third Serb Summer School on Robotics	23-28,June-2017
76	1	Trends in Speech Language Processing in relevance to Telecommunication and Machine Learning	04 th June to 09 th June ,2018
77	3	Two days FDP on “Teaching Techniques” conducted by ICT Academy on 28th Feb 2018 & 1st March 2018 held at N.B.K.R.I.S.T, Vidyanagar.	28.02.2018 & 01.03.2018
78	2	Two-week AICTE FDP on "Applications of Geomatics for Disaster Management (AGDM-2017)" Organized by Centre for Water Resources, IST, JNTUH, from 13th-25th November 2017.	13.11.2017 to 25.11.2017
79	26	Internet of Things	11 th -16 th Dec 2017
80	6	Recent Power Electronic Developments in Distributed Generation	18th Dec to 22nd Dec 2017
81	22	PLC Design” by Andhra Pradesh State Skill development corporation(APSSDC)	12th-14th March 2018
82	15	Smart Grid Technologies	4th-9th June 2018
83	24	Applications, Challenge & solutions of Smart grid Integration with Renewable Energy Sources	18th-23rd June 2018
84	1	Artificial Intelligence Revolution	22-11-2017
85	3	Challenges and current solutions of cyber Physical Systems	11-12-2017 to 23-12-2017
86	14	Data Science And Big data Analytics	05-09-2017 to

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			09-09-2017
87	1	Recent Trends on IOT	13-11-2017 to 18-11-2017
88	1	Rapid casting techniques	27-11-2017 to 09-12-2017
89	1	Basic Business Research Methods	08-06-2017 to 10-06-2016
90	2	R-Programming for Scientist and Engineer's	30-06-2017 to 05-07-2017
91	1	Advanced Wireless N/w's and Computer N/w's	17-06-2016 to 26-06-2016
92	1	Android Developer Fundamentals	24-07-2017 to 28-07-2017
93	1	IOT	28-02- 2017 to 05-03-2017
Total Programmes: 93			Total Teachers attended: 509

6. Publications: Journals/books/conferences-Proceedings of 2017-18 AY

Title of paper	Name of the author/s	Dept. of the teacher	Name of journal	Year of publication	ISSN number
Impact of Aggressive Environment on Concrete-A Review	V.Venkata Rambabu	CE	International Journal of CE & Technology (Scopus)	2017	0976-6316
Stabilization of Black Cotton Soil using Plastic Waste.	D.Srinivas	CE	International Journal of Research and Analytical Reviews	2017	2349-5138
Analytical study on the behaviour of Reinforced beam column joint with partial replacement of GGBS Slag subjected to cyclic loading by using ANSYS Civil FEM	V.Mohan Krishna	CE	International Journal of Research and Analytical Reviews	2017	2349-5138
Modified Bitumen using waste H.D.P.E as Admixture	T Chandra Sekhar	CE	Journal of Emerging Technologies and Innovative Research	2017	2349-5162
Mechanical Properties of High Strength Self-Compacting Concrete using Self Curing Compound	N.Sarathschandra	CE	International Journal of Research and Analytical Reviews	2017	2349-5138

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Improving voltage for 13 bus radial distribution system using SVC-FUZZY	U Ramesh Babu , V Vijay Kumar Reddy , S Tara Kalyani	EEE	International Journal of Applied Engineering Research	2017	
Back propagation algorithm using ANFIS controller for wind –DG micro Grid	Sayyed Liyakhath ; S Suresh Reddy V Pardha Saradhi ; K Sudheer	EEE	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI-2017	2017	
Online Monitoring of Metal cutting of Inconel 600 with Al ₂ O ₃ coated carbide tools.	M.Sivarama Krishniah. P.Nanda Kumar	MED	Materials Today: Proceedings.	2017	2214- 7853
Comparison of Mechanical Properties of Synthetic and Natural Fiber Composites	M.Subba Reddy P.Vijaya Bhaskar Reddy Suresh Y	MED	I J of Engineering Research and Science and Technology	2017	2319- 5991
Performance Analysis of B4C-CU Composite As An Electro Discharge Machine Electrode	M. Subba Reddy P. Vijaya Bhaskar Reddy	MED	International Journal of Mechanical Engineering Research and Technology	2017	2454- 535X
Static Analysis of Al - ZrO ₂ FG Thick Plate Using Graded FEM.	P.S. Ravi Kumar P. Nanda Kumar G. Ranga Janardhana	MED	Materials Today: Proceedings.	2017	2214- 7853
Review of Orthogonal Metal Cutting using Finite Element Method.	P. Nanda Kumar G. Ranga Janardhana M. Sivaramakrishnaiah	MED	International Journal of Research and Scientific Innovation.	2017	2321 – 2705
Effect of PWHT on the Hardness and Fractured Microstructure of IS-103Cr1 Welded Joints.	P. Nanda Kumar K. PrahladaRao M. Bala Chennaiah	MED	Materials Today: Proceedings.	2017	2214- 7853
Design of Micro Channel Heat Sink.	P. Hazarathaiah Y. Ashok Kumar Reddy S. Indumati	MED	International Journal of Research and Analytical Reviews	2017	2348- 1269
Experimental Investigations on the Mechanical Properties of Coconut Coir and Egg Shell Powder Polymer Composites.	B. Madhusudan Reddy S. Sunilkumar Reddy R. Bhaskar Reddy	MED	Elixir International Journal.	2017	2229- 712X.

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Design of Solar Based Thermo Electric Refrigeration System.	P.Hazarathaiyah Y. Ashok Kumar S. Indumati Sk. Riyaz Basha	MED	International Journal of Emerging Technologies and Innovative Research.	2017	2349-5162
Optimisation of turning AISI 1040 steel with extreme pressure additive in vegetable oil based cutting fluids	B. Satheesh Kumar G. Padmanabhan P. Vamsi Krishna	MED	International Journal of Automotive and Mechanical Engineering	2017	2229-8649
Design & Analysis of Thermo Acoustic Refrigeration (TAR)	S. Indumati A. Karthikeyan D. Harikrishna	MED	International Journal on Recent Researches in Science, Engineering & Technology	2017	2347-6729
Experimental Investigation On Mechanical Properties Coal Ash And Fly Ash Reinforced Glass Fiber Polymer Matrix Composites	P.Srihari Reddy M.V.Akhil	MED	Journal of Advanced Research in Applied Mechanics	2017	2289-7985
An Assimilated Face Recognition System with effective Gender Recognition Rate	Dr. G. Harinatha Reddy, K. Akhil Sreenivasulu,	ECE	International Research Journal of Engineering and Technology	2017	2395 0056
Adaptive Human Machine Interface for Face Recognition	Dr. G. Harinatha Reddy, L. Guru Kumar	ECE	International Journal of Engineering Research in Electronics and Communication Engineering	2017	2394 6849
Multi-recursive-input Complete Convolutional Systems for Neuronal Boundary Recognition	Dr. G. Harinatha Reddy, M. Rveendra	ECE	International Journal of Advanced and Innovative Research	2017	2278 7844
CBIR Based Crack Detection System for Surface Traffic	Dr. P. Mohanaiah Dr. Abraham Mathew Dr. S. Saravanan	ECE	International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE)	2017	2394 6849
Surface Based Picture Division Utilizing Non-existent Grouping	Dr K Nagi Reddy, M Raveendra, M Vamsi	ECE	International Journal for Research Trends and Innovation(IJRTI)	2017	2456 3315
A Novel approach for Change	Dr. K.Nagi	ECE	International journal	2017	2319

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Detection in SAR Images Based on Fusion and Compressed Projection	Reddy,Sowjanya		of Scientific Engineering and Technology Research		8885
CDMA based secure cellular communication via satellite link	Dr. S. Saravanan, CH. Lavanya	ECE	International Research Journal of Engineering and Technology (IRJET)	2017	2395 0056
A Generalized Approach for image Denoising using Correlations	Dr. Abraham Mathew	ECE	International Journal of Advanced Technology and Innovative Research (IJATIR)	2017	2348 2370
A Comprehensive Technical Study on MST Radar Signals for Enhancement of SNR	GV. Ramanaiah Dr. A. Narendra Babu	ECE	Journal of Advanced Research in Dynamical and Control Systems (JARDCS)	2017	1943 023X
Timing and Channel Allocation in Downlink Multiuser MIMO OFDMA System	GV. Ramanaiah Y. Prathyusha	ECE	International Journal of Innovative Technologies (IJIT),	2017	2321 8665
Retinal Vessel detection from fundus image using image processing techniques	R. Lavanya, GK. Rajini, G. Vidyasagar	ECE	International Journal of Pharmacy & Tecnology	2017	0975 766X
Track the center of the colored circular objects using Image Processing Techniques.	R. Lavanya, Rohini Varanasi	ECE	IJERECE	2017	2394 6849
Exploring The Possibility Of Recognizing The Forgery By Utilizing Spatial And Transform Domain	M. Raveendra B. Srikanth, M. Vamsi	ECE	International Journal of Scientific Research in Engineering	2017	2394 4099
IOT applications on secure smart shopping system	B. Mysura Reddy	ECE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	2017	2456 3307
Spot detection a moving object using centroid	Ch. Murali Krishna Yadav CH. Likhitha	ECE	IJCMS	2017	2349 641X
An Assimilated Face Recognition System With effective Gender Recognition Rate	Dr. G. Harinatha Reddy, L. Guru Kumar, K. Akhil Sreenivasulu	ECE	International Journal of Engineering Research in Computer Science & Engineering	2017	2394 2320

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Cell Co-Ordination in Full-Duplex Heterogeneous Cellular Network	G. Nagarjuna Reddy	ECE	International Journal of Innovative Technologies (IJIT)	2017	2321 8665
Implementation of Modified Partial Product Generator Using Booth Encoding Algorithm in Redundant Binary Multipliers,	P. Valibasha. , P. Saraswathi, N. Neelima,	ECE	International Journal of Innovative Technologies	2017	2321 8665
A Novel Modified Radix-4 Booth Encoding Technique Using Redundant Binary Multipliers	P. Valibasha, Y. Krishna, N. Benaarji	ECE	International Journal of Scientific Engineering and Technology Research	2017	2319 8885
IOT applications on Secure Smart Shopping System	K. Vinayaka	ECE	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	2017	2456 3307
Low power and power-gated Transceiver for Wireless Network on Chip	B. Srikanth	ECE	International Journal Of Scientific Research in Engineering	2017	2278 0882
Multi Master Serial Single Ended Embedded Module for Environmental Quality Assessment	VHK. Kishore,K. Sahithi	ECE	International Journal of Engineering Technology, Management and Applied Sciences	2017	2349 4476
Downlink Scheduling Algorithm for WiMAX Protocol to Improve QoS	U. Sreenivasulu	ECE	Springer-AJSE	2017	2193 567X
An innovative method of acquiring optimization for image retrieval via dual clustering method based on segmentation	Dr S.MaruthuPerumal	CSE	IEEE	2017	---
A Collaborative methodology intended for CBIR by means of contour	Dr.S.MaruthuPerumal	CSE	IJET	2017	2319- 8613
A Survey on Texture Image Transformation Techniques	G.V.Konda Reddy	CSE	IJCTA	2017	---
Fast Mining approach for Automatic recognition of Rare raga swaram notes	T.V Mahendra	CSE	IJIET	2017	2319- 1058

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Soil test mining for Cultivatiom forum using enhanced ECLAT approach	T.V Mahendra	CSE	IJCESR	2017	2393-8374
A Partition based approach for mining Closed Item sets with tough constraints and Telugu	T.V Mahendra	CSE	IJLEMR	2017	2455-4847
Reputation-based trust evaluation by extracting user's assessment	M.Lakshmi Prasad	CSE	IJETEE	2017	2320-8163
The linguistic evaluation on the resources and morphology driven system-A case study on Hindi, Bengali and Telugu	Ch.V.Swarna Kumari	CSE	IJCEA	2017	2321-3469
Construction of private methodical query services in the cloud with RASP data commotion	Ch.V.Swarna Kumari	CSE	IJR	2017	2348-6848
Detecting duplicate in large data sets using progressive techniques	Ch.V.Swarna Kumari	CSE	IJIRCE	2017	2320-9801
Combined Influence Of Hall Currents And Joule Heating On Hemodynamic Peristaltic Flow With Porous Medium Through A Vertical Tapered Asymmetric Channel With Radiation	S. Ravi Kumar S K. Abzal	S & H	Frontiers in Heat and Mass Transfer	2017	2151-8629
Influence of radiation on MHD peristaltic blood flow through a tapered channel in presence of slip and joule heating	N. Ameer Ahamad S.Ravikumar Kalimuthu Govindaraju	S & H	AIP Conference Proceedings	2017	0094-243X, ISBN : 978-073541538-6
Influence of Heat transfer and Hall effects on a peristaltic pumping of a Newtonian fluid in a planar channel	G. Ravindranath Reddy, S. Ravikumar G.S.S. Raju	S & H	JUSPS-B	2017	2231-3478
Influence Of Heat Transfer On Peristaltic Flow Of Jeffrey Fluid Through A Porous Medium In An Inclined Asymmetric Channel	G. Ravindranath Reddy, S. Ravikumar G.S.S. Raju	S & H	ARNP Journal of Engineering and Applied Sciences	2017	1819-6608
Joule Heating and Mass Transfer on MHD Peristaltic Hemodynamic Jeffery Fluid with Porous Medium in a Tapered Vertical Channel-Blood Flow Analysis Model	S. Ravi Kumar N. Ameer Ahamad	S & H	International Journal of Bio-Science and Bio-Technology	2017	2233-7849
Fixed point theorem in complex	C.SREEDHAR,	S & H	International journal	2017	0976-

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valued metric space	s.sreelatha		of contemporary research and review		4852
The effects of cross-diffusion and stratification in unsteady currents on vertical plate with power law variation	Madhava Reddy Ch et. al.	S & H	<i>International Journal of Innovative Research In Technology</i>	2017	2349-6002
The Double Dispersion Effects on Unsteady Natural Convection Stratified Fluid past Vertical Plate with Flux	Madhava Reddy Ch et. al.	S & H	<i>International Journal of Innovative Research In Technology</i>	2017	2349-6002
Brinkman Model for Unsteady Flow of A Stratified Fluid With Heat Generation And Radiation	Madhava Reddy Ch et. al.	S & H	<i>Iconic Research And Engineering Journals</i>	2017	2456-8880
The effects double stratification on unsteady natural convection past a vertical flat plate	Madhava Reddy Ch et. al.	S & H	<i>International Journal of Innovative Research In Technology</i>	2017	2349-6002
Trip62le Domination Number of a Butterfly Graph	P. Vijaya Jyothi	S & H	IOSR journal of Engg	2017	ISSN 2250-3021
Bondage Number of a Butterfly Graph	P. Vijaya Jyothi	S & H	IOSR journal of Engg	2017	ISSN 2250-3021
Heat and mass transfer analysis for the MHD forced convective flow of a nanofluid over a slendering stretching sheet with radiation in porous medium	K.Suneetha S.M.Ibrahim G.V.Ramana Reddy	S & H	<i>International Journal of Innovative Research in Science Engineering and Technology</i>	2017	ISSN: 2319-8753
Computational analysis of viscous dissipation on radiative MHD Maxwell nanofluid flow over a stretching sheet with heat source and chemical reactio	K.Suneetha S.M.Ibrahim G.V.Ramana Reddy	S & H	<i>International Journal of Innovative Research in Science Engineering and Technology</i>	2017	ISSN: 2319-8753
Effects of radiation and heat source on dissipative MHD flow of Williamson nanofluid over a nonlinear variable thicked surface with melting heat transfer	K.Suneetha S.M.Ibrahim G.V.Ramana Reddy	S & H	<i>International Journal of Pharmacy and Technology</i>	2017	3069 8- 3071 4 ISSN: 1810- 2328
Effects of chemical reaction on combined heat and mass transfer by laminar mixed convection flow from vertical surface with induced magnetic field and radiation.	S.M.Ibrahim, F.Mabood, K.Suneetha, G.Lorenzini	S & H	<i>Journal of Engineering Thermophysics</i>	2017	234- 255 ISSN: 0975- 766X

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Combined Influence Of Hall Currents And Joule Heating On Hemodynamic Peristaltic Flow With Porous Medium Through A Vertical Tapered Asymmetric Channel With Radiation	S. Ravi Kumar S K. Abzal	Mathe matics	Frontiers in Heat and Mass Transfer	2017	2151- 8629
Influence of slip conditions on the peristaltic transport of a conducting prandtl fluid in a porous non-uniform channel	R. Sivaiah, R.Hemadri Reddy	Mathe matics	<i>International journal of pure and applied mathematics</i>	2017	1314- 3395
Magnetohydrodynamic peristaltic motion of a Newtonian fluid through porous walls with suction and injection	R. Sivaiah , R.Hemadri Reddy	Mathe matics	<i>IOP Conf. Series: Materials Science and Engineering</i>	2017	doi:1 0.108 8/175 7- 899X /263/ 6/062 007.
Preparation and Characterization of Pure and Copper Doped PVC Films.	Y.MadhavaKumar, Ch. Ramu, K. Bhagyasree, N.O Gopal.	S&H	Jounal of Polymer Engineering	2017	2191 - 0340
Structural, thermal and optical properties of Cu ²⁺ doped Methacrylic Acid – Ethyl Acrylate (MAA:EA) copolymer films	Y. Madhava Kumar, N.O. Gopal, Ch. Ramu, S. Babu, J. Lakshmana Rao, H. Nagabhushana, S.C. Sharma	S&H	Bulletin of material science	2017	0250- 4707
Structural and optical properties of VO ²⁺ doped Methacrylic acid Ethylacrylate (MAA:EA) copolymer films	Y. Madhava Kumar, K. Bhyagyasree, N.O. Gopal, Ch. Ramu	S&H	Material Science Poland	2017	2083- 134X
Conductivity & Dielectric Behavior of Pure & Mn ²⁺ Doped Poly (Vinyl Chloride) Solid Polymer Electrolyte Films	Y. Madhava Kumar, K. Bhyagyasree, N.O. Gopal, Ch. Ramu	S&H	International Journal for Innovative Research in Science & Technology	2017	2349 - 6010
Nanocrystalline Au:SnO ₂ Thin films Grown by DC Reactive Magnetron Sputtering,	T.V.N.Prathyusha et.al.	S&H	Int. J. of Engg. Res. & Applications	2017	2248- 9622
Sputtering Power Dependent Physical Properties of Nanocrystalline Au: SnO ₂ Thin Films	T.V.N.Prathyusha et.al.	S&H	International Journal of Computational Engg. Res	2017	2250- 3005
Nanocrystalline Au: SnO ₂ Thin Films Grown by DC Reactive Magnetron Sputtering	T.V.N.Prathyusha et.al	S&H	Journal of Engg. Res. & Applications	2017	2248- 9622

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7. IQAC Initiatives of 2017-18 AY

S.No.	Name of quality initiative by IQAC	Duration (from – to)
1	Organized Axion-2018 a National Level Technical Symposium	3/19/2018
2	Participated in National Institutional Ranking Framework (NIRF)	12/5/2017
3	ISO 9001:2015	20-02-2018 to 20-02-2019
4	AAVISHKAR-2K17	3/17/2017
5	Techno Quest 2017	10/14/2017
6	Mexodia -18 ME	3/11/2017
7	Axion -17	3/19/2018
8	Inspiron 18	3/3/2018
9	ISTE Gnosis17	10/28/2017
10	Career Options for Civil Engineering Graduates	27-02-2018 to 28-02-2018
11	Structural Health Monitoring	2/2/2018
12	Corporate Survival, Oracle, Retail Global Business, Manipur	12/22/2017
13	Computer Oriented Applications in Civil Engineering	7/10/2017
14	Techvyuha 2017-18	3/8/2018
15	Motivational Speech	1/6/2017
16	Seminar on Road Safety	1/24/2017
17	Network Security	12/23/2017
18	Electronic Welfare	12/23/2017
19	Leadership in New-age	12/22/2017
20	Guest Lecture on Personality Development	7/28/2017
21	Guest Lecture on Expectation of IT Industry from Engineering Graduates	12/22/2017
22	Guest Lecture on move up in life with GATE after B.Tech	3/8/2017
23	Design & Innovation	3/23/2018
24	Simulation Driven Design (Online Mode)	10/10/2018
25	Paper & Poster Presentation, Project Expo	3/13/2018
26	Technozarre	11/3/2017

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8. Extension activities conducted through NSS/NCC during 2017-18 AY

a) NSS Activities

Name of the activity	Organising unit/agency/ collaborating agency	Year of the activity	Number of students participated
Conducted a Mega Blood Donation Camp on 20 th February 2018 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Units along with Red cross	2018	500
Conducted a special camp 9-4-2018 to 15-4-18.	NSS Unit	2018	100
Conducted a World Aids Day Rally on 1 st December 2017 in connection with World Aids Day .	NSS Unit	2017	400

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	Govt. of Andhra Pradesh	2017-18
Blood Donation Camp	Appreciation	Red Cross Society	2017-18
State level NSS Youth Festival -2017	Appreciation	Adikavi Nannaya University	2017-18

b) NCC Activities

Name of the activity	Date of the activity	Number of students participated
REPUBLIC DAY	26-1-2018	1550
INDEPENDENCE DAY	15-8-2018	1600
AIDS DAY	1-12-2018	150
SWACHHATHA KI PAKHWADA	15-12-2018	180
FOOT POLICING	15-10-2018	120
SWACHH BHARAT	02-10-2018	100
SURGICAL STRIKE DAY	29-9-2018	250

c) Students participating in extension activities during 2017-18AY

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
Conducted a Mega Blood Donation Camp on 20 th February 2018 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former	NSS Units along with Red cross	500

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Chief Minister of AP.		
Conducted a World Aids Day Rally on 1 st December 2017 in connection with World Aids Day.	NSS Unit	400
REPUBLIC DAY	NCC	1550
Conducted a special camp 9-4-2018 to 15-4-18.	NBKCRIST Students Union	100
Conducted a World Aids Day Rally on 1 st December 2017 in connection with World Aids Day.	NBKCRIST Students Union	400

d) Sports Activities

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

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8. Plan of Action by IOAC/Outcome of 2017-18 AY

Plan of Action	Achievements
<ul style="list-style-type: none"> Up gradation of laboratory and other infrastructure facilities. 	<ul style="list-style-type: none"> New COEs Huawei and Dassault systems are established in ECE and ME Departments respectively
<ul style="list-style-type: none"> Focus on industry Institute interaction. 	<ul style="list-style-type: none"> Skill transfer programme for IV B Tech ME and EEE students arranged by Prime Median Company, Medensha Corporation, Japan. More industrial visits arranged
<ul style="list-style-type: none"> Improvement in student counselling system. 	<ul style="list-style-type: none"> Mentoring system implemented.
<ul style="list-style-type: none"> Improvement in student –learning system. 	<ul style="list-style-type: none"> Results improved, placements improved.
<ul style="list-style-type: none"> More training programmes arranged for placements. 	<ul style="list-style-type: none"> The placements of the Institute improved. Extensive training programmes organized by Teamlease Company for all UG students to train them for placement. English spoken tutorials
<ul style="list-style-type: none"> Proposal to start skill development programmes 	<ul style="list-style-type: none"> Programming skills by IBM APSSDC, AICTE-PMKY skill centres are established New labs established and new technical software procured. More computers with high configuration are procured.
<ul style="list-style-type: none"> Strengthening the faculty and students research. 	<ul style="list-style-type: none"> More proposals submitted to funding agencies
<ul style="list-style-type: none"> Implementation of Swatcha College. 	<ul style="list-style-type: none"> Swatcha College is effectively implemented.
<ul style="list-style-type: none"> Improve transportation facility to student. 	<ul style="list-style-type: none"> New buses are purchased.



IQAC Coordinator



Director

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