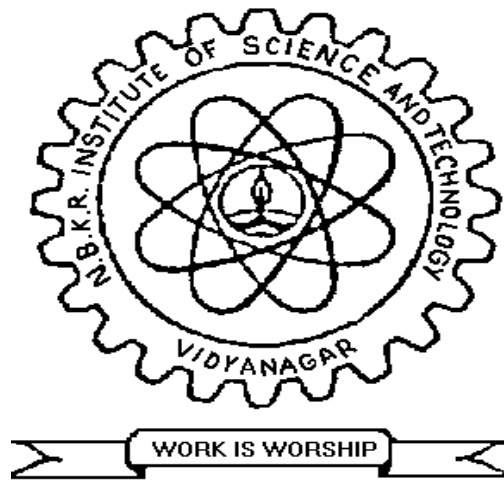


Internal Quality Assurance Cell

Annual Report

2018-19



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 2018-19 AY

Programme name	Programme Code	Number of seats available/sanctioned	Number of Students admitted
B.Tech. - CE	01	180	82
B.Tech. - EEE	02	180	66
B.Tech. - ME	03	180	119
B.Tech. - ECE	04	180	178
B.Tech. - CSE	05	180	175
B.Tech. - IT	12	60	16
M.Tech. - PS	82	18	5
M.Tech. - DECS	38	18	6
M.Tech. - CSE	58	18	1
M.Tech. - AMS	87	18	7

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2. Semester wise Results of 2018-19 AY

		ECE	EEE	CSE	CIVIL	MEC H	IT	TOTAL
I B.Tech. I Sem.	Appeared	178	64	171	81	120	16	630
	Passed	107	38	112	58	69	08	392
	Pass %	60.11	59.38	65.5	71.6	57.5	50	62.22
I B.Tech. II Sem.	Appeared	176	64	167	80	117	16	620
	Passed	103	37	107	42	76	07	372
	Pass %	58.52	57.81	64.07	52.5	64.95	43.75	60
		ECE	EEE	CSE	CIVIL	MECH	TOTAL	
II B.Tech. I Sem.	Appeared	185	117	166	136	191		795
	Passed	112	77	110	93	105		497
	Pass %	60.54	65.81	66.26	68.38	54.97		62.51
II B.Tech. II Sem.	Appeared	182	113	162	130	187		774
	Passed	108	86	126	83	110		513
	Pass %	59.34	76.10	77.77	63.84	58.82		66.27
		ECE	EEE	CSE	CIVIL	MECH	TOTAL	
III B.Tech. I Sem.	Appeared	120	72	161	133	128		614
	Passed	98	52	120	102	89		461
	Pass %	81.66	72.22	74.53	76.69	69.53		75.08
III B.Tech. II Sem.	Appeared	119	73	159	133	126		610
	Passed	109	53	127	103	107		499
	Pass %	91.59	72.60	79.87	77.44	84.92		81.80
		ECE	EEE	CSE	CIVIL	MECH	TOTAL	
IV B.Tech. I Sem.	Appeared	124	101	92	125	132		574
	Passed	108	81	84	109	111		493
	Pass %	87.09	80.19	91.30	87.2	84.09		85.88
IV B.Tech. II Sem.	Appeared	123	101	92	125	131		572
	Passed	115	98	82	117	125		537
	Pass %	93.49	97.02	89.13	93.6	95.41		93.88

		PS	DECS	AMS	CSE	TOTAL
M.Tech. I Sem.	Appeared	05	06	07	01	19
	Passed	04	06	07	01	18
	Pass %	80	100	100	100	94.73
		PS	DECS	AMS	CSE	TOTAL
M.Tech. II Sem.	Appeared	04	06	07	01	18
	Passed	04	06	06	01	17
	Pass %	100	100	85.71	100	94.44

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3. Placements of 2018-19 AY

Name of the employer with contact details	Package received	Number of students placed	Program graduated from
Mphasis Contact Person - Shradha, Contact No-81083 55575	3.25 LPA	4	CSE
Mphasis Contact Person - Shradha, Contact No-81083 55575	3.25 LPA	1	ECE
Mphasis Contact Person - Shradha, Contact No-81083 55575	3.25 LPA	4	EEE
Value Labs Contact person - Anusha, Conatct No : 040 – 71039524	4 LPA	1	ECE
CTS	3.6 LPA	24	CSE
CTS	3.6 LPA	20	ECE
CTS	3.6 LPA	16	EEE
CTS	3.6 LPA	10	MECHANICAL
CYIENT, Contact Name:Aijas Contact No- 9642933393	3.6 LPA	1	EEE
CYIENT, Contact Name:Aijas Contact No- 9642933393	3.6 LPA	2	MECHANICAL
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	6	CSE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	7	ECE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	3	EEE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	2	MECHANICAL
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.6 LPA	2	CIVIL

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INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.6 LPA	1	CSE
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.6 LPA	1	ECE
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.6 LPA	1	MECHANICAL
INFOSYS, Contact Person - Sasidhar Contact No- 9000411186	3.6 LPA	1	CIVIL
MINDTREE, Contact Name : Veerappaji, contact No : 9049324240	3.6 LPA	3	CSE
MINDTREE, Contact Name : Veerappaji, contact No : 9049324240	3.6 LPA	2	ECE
MINDTREE, Contact Name : Veerappaji, contact No : 9049324240	3.6 LPA	3	EEE
WIPRO	3.6 LPA	1	MECHANICAL
GLOBAL EDGE Contact person: Bhavya Contact No 7022389569	3.0 LPA	2	CSE
GLOBAL EDGE Contact person: Bhavya Contact No 7022389569	3.0 LPA	4	ECE
HCL, Contact Name-Vinodini, Contact No-044 4393 5000	3.6 LPA	4	CSE
HCL, Contact Name-Vinodini, Contact No-044 4393 5000	3.6 LPA	2	ECE
HCL, Contact Name-Vinodini, Contact No-044 4393 5000	3.6 LPA	3	MECHANICAL
ATOS SYNTEL	3.25 LPA	1	CSE
AMAR RAJA CONTACT PERSON : Jagan Mohan CONTACT NO - 9000711129	2.4 LPA	4	MECHANICAL
HYUNDAI Contact Person : Vishwanadham Contact Person :	3.6 LPA	1	MECHANICAL

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9032658678			
INFORMATION ASSEST LLC Contact Person : Anusha Contact No : 8867151061	3.0 LPA	5	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	8	CSE
KARVY Contact Person : Shiva Nair Contact No : 7299072993	1.4 LPA	13	ECE
KARVY Contact Person : Shiva Nair Contact No : 7299072993	1.4 LPA	10	EEE
KARVY Contact Person : Shiva Nair Contact No : 7299072993	1.4 LPA	12	MECHANICAL
KARVY Contact Person : Shiva Nair Contact No : 7299072993	1.4 LPA	13	CIVIL
ALIENS Contact Person : Premchand Contact No : 95002586343	2.4 LPA	3	CSE
ALIENS Contact Person : Premchand Contact No : 95002586343	2.4 LPA	8	ECE
ALIENS Contact Person : Premchand Contact No : 95002586343	2.4 LPA	2	EEE
ALIENS Contact Person : Premchand Contact No : 95002586343	2.4 LPA	8	MECHANICAL
ALIENS Contact Person : Premchand Contact No : 95002586343	2.4 LPA	15	CIVIL
CMS Contact Person : JIJO Contact No : 8904421441	1.8 LPA	5	CSE
CMS Contact Person : JIJO Contact No : 8904421441	1.8 LPA	7	ECE

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CMS Contact Person : JJO Contact No : 8904421441	1.8 LPA	5	EEE
ELEATION Contact Person : Apoorv Bapat Contact No : 7720040021	2.4 LPA	3	MECHANICAL
ELEATION Contact Person : Apoorv Bapat Contact No : 7720040021	2.4 LPA	3	CIVIL
JUST DIAL Contact Person : Ankit Sharma Contact No : 9650723236	2.4 LPA	2	CSE
JUST DIAL Contact Person : Ankit Sharma Contact No : 9650723236	2.4 LPA	1	EEE
JUST DIAL Contact Person : Ankit Sharma Contact No : 9650723236	2.4 LPA	1	MECHANICAL
QSPIDERS Contact Person : Jayashree Contact No : 9686187291	2.4 TO 3.4 LPA	14	CSE
QSPIDERS Contact Person : Jayashree Contact No : 9686187291	2.4 TO 3.4 LPA	10	ECE
QSPIDERS Contact Person : Jayashree Contact No : 9686187291	2.4 TO 3.4 LPA	2	EEE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	4	CSE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	10	ECE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	7	EEE
SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	8	MECHANICAL

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SUTHERLAND Contact Person: Chandra Shekar Contact no : 919566032427	2.2 LPA	9	CIVIL
VALUED EPISTEMICS Contact Person : Darshan.S Contact No : 98844 97655	3.0 LPA	1	EEE
VALUED EPISTEMICS Contact Person : Darshan.S Contact No : 98844 97655	3.0 LPA	1	MECHANICAL
VERZEO Contact Person : Mirdhula, Contact N0 :9902803001	3.0 LPA	5	ECE
VERZEO Contact Person : Mirdhula, Contact N0 :9902803001	3.0 LPA	1	EEE
VERZEO Contact Person : Mirdhula, Contact N0 :9902803001	3.0 LPA	5	MECHANICAL
VERZEO Contact Person : Mirdhula, Contact N0 :9902803001	3.0 LPA	2	CIVIL
SHOBHA DEVELOPERS	3.0 LPA	2	CIVIL
Prime Meiden, Contact Name : Chaitanya, Contact No : 9010716644	3.0 LPA	2	EEE
Prime Meiden, Contact Name : Chaitanya, Contact No : 9010716644	3.0 LPA	3	MECHANICAL
Total		349	

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4. Professional development / administrative training programs organized by the Institute for teaching and non teaching staff During 2018-19AY

S.No.	Title of the professional development program organized	Dates (from-to)	No. of participants
	For Teaching staff		
1	2 day faculty development programme on Problem Solving Skills conducted by ICT Academy on 16-05-2019 to 17-05-2019	16.05.2019 - 17-05-2019	1
2	One week STTP through ICT Mode on “Problem based Learning”, Organized by NITTR (Established by the Ministry of Human Resource Development, Government of India),Kolkata from 11th to 15th February, 2019.	11.02.2019 - 15.02.2019	23
3	One week STTP through ICT Mode on “Development of Laboratory Instruction and Manual”, Organized by NITTR (Established by the Ministry of Human Resource Development, Government of India),Kolkata from 04th to 8th February, 2019.	04.02.2019 - 08.02.2019	23
4	Participated in Faculty Induction Training (FIT) organized by Department of Computer Science & Engineering, NBKR Institute of Science & Technology, Vidyanagar,SPSRNellore)Dist),. A.P. during 12th to 14th December, 2018.	12.12.2018 - 14.12.2018	1
5	Five-day workshop on STRAP (Structural analysis programs), under the aegis of RAM CADDYS ,Organized by the Department of Civil Engineering N.B.K.R. Institute of Science & Technology, Vidyanagar from 18th to 22nd Dec. 2018.	18.12.2018 - 22.12.2018	24
6	FDP on Machine learning & Deep learning using MATLAB	14.03.2019 - 18-03-2019	33
7	FDP on HCIG under HUAWEI centre for excellence	21.02.2019 - 04.03.2019	4
8	FDP on IOT & Embedded systems design	19.02.2019 - 23.02.2019	38
9	FDP on 3DS Experience(Catia And Enovia)	03.12.2018 - 08.12.2018	44
10	A one week STTP through ICT mode on “Indian Electricity Rule and Code of Practices” organized by NITTR, Kolkata	26.11.2018 - 30.11.2018	23
11	Workshop on cyber security (apita)	08.10.2018 - 10.10.2018	26
12	Fdp on Internet of things	26.06.2018 - 30-06-2018	27
13	Red hat linux	03.10.2018 - 05.10.2018	27
	For Non-Teaching Staff		

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14	Pradhan Mantri Kaushal Vikas Yojana(PMKVY) (DTH-set up box installation)	07.11.2018 - 11.04.2019	17
15	A skill development program under PMKVY certificate training program on assistant electrician	11.18 - 11.19	13
	Total Programmes : 15		

5. Teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during 2018-19 AY

S.No	Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
1	1	2 day faculty development programme on Problem Solving Skills conducted by ICT Academy on 16-05-2019 to 17-05-2019	16.05.2019 to 17-05-2019
2	2	International Conference on “Hydrology and watershed management-2019”, Organized by Centre for Water Resources, IST,JNTUH held at UGC-HRDC 2019 during 12th to15th February, 2019.	12.02.2019 to 15.02.2019
3	23	One week STTP through ICT Mode on “Problem based Learning”, Organized by NITTR (Established by the Ministry of Human Resource Development, Government of India),Kolkata from 11th to 15th February, 2019.	11.02.2019 to 15.02.2019
4	23	One week STTP through ICT Mode on “Development of Laboratory Instruction and Manual”, Organized by NITTR (Established by the Ministry of Human Resource Development, Government of India),Kolkata from 04th to 8th February, 2019.	04.02.2019 to 08.02.2019
5	1	NPTEL Online Certification for "Introduction to Remote Sensing"	January 2019 to February 2019
6	1	One week FDP on "Advances in Non-Destructive Testing Techniques for In-situ Concrete" from 12th to 18th December, 2018 held at Narayana Engineering College, Gudur.	12.12.2018 to 18.12.2018
7	1	Participated in Faculty Induction Training (FIT) organized by Department of Computer Science & Engineering, NBKR Institute of Science & Technology, Vidyanagar,SPSRNellore)Dist),. A.P. during 12th to14th December, 2018.	12.12.2018 to 14.12.2018

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8	24	Five-day workshop on STRAP (Structural analysis programs), under the aegis of RAM CADDYS ,Organized by the Department of Civil Engineering N.B.K.R. Institute of Science & Technology, Vidyanagar from 18th to 22nd Dec. 2018.	18.12.2018 to 22.12.2018
9	3	Massive Open Online Course on “Life skills for Engineers (Level -II) offered jointly by the Commonwealth Educational Media Centre for Asia (CEMCA), and University of Hyderabad (UOH), from 6th Nov 2018 to 20th Dec 2018.	06.11.2018 to 20.12.2018
10	21	Machine Learning and Deep Learning using MATLAB	14th to 18th March 2019
11	1	Innovative Strategies to Enhance Quality of Education in Higher Education Institution(HEI) challenges,Problemsand Solutions in the Revised Accrediation Framework(RAF)	22 Feb to 23 Feb,2019
12	22	IOT & Embedded System Design	19th to 23rd February 2019
13	20	Problem Based Learning	11th to 15th February 2019
14	23	Development of Laboratory Instruction and Manual	4th to 8th February 2019
15	1	Internet of Things(IOT)	22December to December27,2018
16	20	Life Skills for Engineers (Level -II)	6th November to 20th December 2018
17	5	Faculty Induction Training	12th to 20th December 2018
18	2	Introduction to Machine Learning	August to October 2018
19	1	Signal & Image Processing Practice to Research	27th to 29th September 2018
20	1	Out Come Based Education and Accreditation	24th September to 28th June ,2018
21	1	Algorithms and Architecture for High Efficient Video processing systems	28th to 24th August 2018
22	10	Internet of Things	26th to 30th June 2018
23	1	Optimization Techniques for Signal Processing and Network Communication	14th to 18th June 2018

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24	1	Trends in Speech Language Processing in relevance to Telecommunication and Machine Learning	04th June to 09th June ,2018
25	23	Development of laboratory Instruction and Manual	4th-8th Feb 2019
26	23	Indian Electricity Rule and Code of Practices	26th-30th Nov 2018
27	16	IOT & EMBEDDED SYSTEM DESIGN	19th – 23rd Feb 2019
28	10	LifeSkills for Engineers(Level-II)”	6th-20th Dec 2018
29	23	Problem Based Learning	11th-15th Feb 2019
30	1	2 day faculty development programme on Problem Solving Skills conducted by ICT Academy on 16-05-2019 to 17-05-2019	16.05.2019 to 17-05-2019
31	1	A New Approach To Control The Position Of Joint Arm Robot	13-15,Dec-2018
32	1	Acted as trainer for the program	26-06-18 To 30-06-2018
33	5	Advanced Power Electronics Applications using Spice Programming	17th Dec to 22nd Dec 2018
34	1	Algorithms and Architecture for High Efficient Video processing systems	28 th to 24 th August 2018
35	2	Data Structures and Algorithms	26-06-18 To 30-06-2018
36	23	Development of Laboratory Instruction and Manual	4 th to 8 th February 2019
37	1	Digital Driven Design And Manufacturing On The 3dx Platform	2-6, July-2018
38	31	Faculty Induction training Programme	12-12-18 To 14-12-2018
39	24	FDP on IOT	26-06-18 To 30-06-2018
40	24	Five-day workshop on STRAP (Structural analysis programs), under the aegis of RAM CADDYS ,Organized by the Department of Civil Engineering N.B.K.R. Institute of Science & Technology, Vidyanagar from 18th to 22nd Dec. 2018.	18.12.2018 to 22.12.2018
41	1	Industrial Robot, JNTUA , Ananthapuramu	9-21,July-2018
42	1	Innovative Strategies to Enhance Quality of Education in Higher Education Institution(HEI) challenges, Problems and Solutions in the Revised Accrediation Framework(RAF)	22 Feb to 23 Feb,2019

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43	2	International Conference on “Hydrology and watershed management-2019”, Organized by Centre for Water Resources, IST,JNTUH held at UGC-HRDC 2019 during 12th to15th February, 2019.	12.02.2019 to 15.02.2019
44	1	Internet of Things(IOT)	22December to December27,2 018
45	2	Introduction to Machine Learning	August to October 2018
46	22	IOT & Embedded System Design	19 th to 23 rd February 2019
47	20	Life Skills for Engineers (Level -II)	6 th November to 20 th December 2018
48	21	Machine Learning and Deep Learning using MATLAB	14 th to 18 th March 2019
49	3	Massive Open Online Course on “Life skills for Engineers (Level -II) offered jointly by the Commonwealth Educational Media Centre for Asia (CEMCA), and University of Hyderabad (UOH), from 6th Nov 2018 to 20th Dec 2018.	06.11.2018 to 20.12.2018
50	1	NPTEL Online Certification for "Introduction to Remote Sensing"	January 2019 to February 2019
51	1	One week FDP on "Advances in Non-Destructive Testing Techniques for In-situ Concrete" from 12th to 18th December, 2018 held at Narayana Engineering College, Gudur.	12.12.2018 to 18.12.2018
52	23	One week STTP through ICT Mode on “Development of Laboratory Instruction and Manual”, Organized by NITTR (Established by the Ministry of Human Resource Development, Government of India),Kolkata from 04th to 8th February, 2019.	04.02.2019 to 08.02.2019
53	23	One week STTP through ICT Mode on “Problem based Learning”, Organized by NITTR (Established by the Ministry of Human Resource Development, Government of India),Kolkata from 11th to 15th February, 2019.	11.02.2019 to 15.02.2019
54	24	Online STTP on Problem Based Learning	11-02-19 To 15-02-19
55	1	Operations Research And Manufacturing Engineering	30-31,July- 2018
56	1	Out Come Based Education and Accreditation	24 th September to 28 th June ,2018

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57	1	Participated in Faculty Induction Training (FIT) organized by Department of Computer Science & Engineering, NBKR Institute of Science & Technology, Vidyanagar,SPSRNellore)Dist),. A.P. during 12th to14th December, 2018.	12.12.2018 to 14.12.2018
58	20	Problem Based Learning	11 th to 15 th February 2019
59	2	Recent Trends In Materials And Manufacturing Engineering	10-15, Dec-2018
60	1	Signal & Image Processing : Practics to Research	27 th to 29 th September 2018
61	1	Solar and Wind Energy-Future Technologies. JNTUA,Ananthapuramu	12-24,Nov-2018
62	1	Tractor Design Competition, Valliammal Engineering College ,Chennai	29-31,Oct-2018
63	23	Indian Electricity Rule and Code of Practices	26th-30th Nov 2018
64	10	LifeSkills for Engineers(Level-II)”	6th-20th Dec 2018
65	5	Advanced Power Electronics Applications using Spice Programming	17th Dec to 22nd Dec 2018
66	23	Development of laboratory Instruction and Manual	4th-8th Feb 2019
67	23	Problem Based Learning	11th-15th Feb 2019
68	16	IOT & EMBEDDED SYSTEM DESIGN	19th – 23rd Feb 2019
69	27	FDP on IOT	26-06-2018 to 30-06-2018
70	26	CYBER SECURITY in association with APITA	08.10.2018 To 10.10.2018
71	27	Red Hat(Open Source Technologies)	03.10.2018 To 05.10.2018
72	24	Online STTP on Problem Based Learning	11.02.2019 t0 15.02.2019
Total Programmes: 72		Total Teachers attended: 795	

6. Publications: Journals/books/conferences-Proceedings of 2018-19 AY

Title of paper	Name of the author/s	Dept. of the teacher	Name of journal	Year of publication	ISSN number
Maximum demand controller for HT industry	U. Ramesh Babu	EEE	Technical Research Organisation India	2019	ISSN :2394-0697
Coupled Random PWM Technique For Dual Inverter Fed Induction Motor Drive	Syed.Munvar Ali, V.Vijaya Kumar Reddy, M.Suryakalavathi	EEE	International Journal of Power Electronics and Drive System (JPEDS)	2019	ISSN: 2088-8694
PSO Based Reactive Power Coordination of Multiple Dispatchable Distributed Generations & Voltage Controlled Devices	Mogaligunta Sankaraiah, S Suresh Reddy, M Vijaya Kumar	EEE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	ISSN: 2502-4752
Performance Of Space Vector PWM Based Induction Motor Drive Using Dspace	Syed.Munvar Ali, V.Vijaya Kumar Reddy, M.Suryakalavathi	EEE	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	ISSN:2278-3075
Design and Fabrication of Hybrid Electric Bike.	M. Sreenivasulu Y. Ashok kumar Reddy P. Vijaya Bhaskar Reddy P.Hazarathaiah	MED	International journal of applied engineering research	2019	0973-4562
Design of Two Lobe Journal Bearing	P.Srihari Reddy P. Hazarathaiah K. Venkateswarlu M.ChandraSekhar	MED	International Journal of Research and Analytical Reviews.	2019	348-1269
Design and Analysis of Clutch Plate Using Steel Materials	Y.Ashok Kumar Reddy P. Hazarathaiah	MED	International Journal for Research in Engineering Application & Management	2019	2454-9150

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Use of Mango Seed Bio-Diesel As Diesel Fuel Extender for a Four Stroke CI Engine	M. Venkata Rao P. Hazarathiah Sk. RiyazBasha, Y. Ashok Kumar Reddy	MED	International Journal of Research in Advent Technology	2019	2321-9637
Reduction of PAPR without Side Information for SFBC MIMO-OFDM Systems	U. Sreenivasulu	ECE	Journal of Emerging Technologies and Innovative Research	2019	23495162
Indoor Air quality Monitoring System Using IOT	U. Sreenivasulu	ECE	Journal of Emerging Technologies and Innovative Research	2019	23495162
Basic survey: Different channel scheduling strategies in OFDM systems	U. Sreenivasulu	ECE	Journal of Emerging Technologies and Innovative Research	2019	23495162
Design of FIR filter using adaptive LMS algorithm for energy efficient applications	P. Valibasha	ECE	Journal for Advanced in Applied Sciences	2019	23948442
Social Network Short Text Understanding Through potential model and behavior Analysis	Mr.T.V.Mahendra	CSE	JASC	2019	1076-5131
Testing embedded system through optimal mining(OMT) based on multi input domain	M.Lakshmi Prasad	CSE	IJECE	2019	2088-8708
A New Approach towards image retrieval using texture statistical methods	Dr.S.Maruthu perumal	CSE	JOIV	2019	2549-9610
A novel method for query based image retrieval using prototype based clustering	Dr.S.Maruthu perumal	CSE	IJIM	2019	---
A Literature Survey on Wavelet Tree based Digital Video atermarking Schemes	Dr.S.Maruthu perumal	CSE	WJTER	2019	---
A Literature Survey on Wavelet Tree based Digital Video Watermarking	B LakshmanaRao	CSE	WJTER	2019	2348-2370

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Schemes					
Big data analysis in Hadoop and MongoDB	Ch.Vishnuvardhana Reddy	CSE	IJATIR	2019	1078-1082
Big data analysis in Hadoop and MongoDB	G Narendra Reddy	CSE	IJATIR	2019	1078-1082
Big data analysis in Hadoop and MongoDB	S. Mamatha	CSE	IJATIR	2019	1078-1082
Synthesis of new 4-chloro-6-methyl pyrimidin-2-yl-aminophosphonates as potential DU145 and A549 cancer cell inhibitors	Gajjala Raghavendra reddy, Chintaraveendra reddy, Cinrandur suresh reddy	S & H	Letters in Durg design and discovery	2019	1570-1808
The effect of oxygen partial pressure and substrate temperature on the structural and optical properties of ZnO wires	R.SubbaReddy et.al.	S&H	Journal of Optoelectronic and advanced materials	2019	1454-4164
Aggressive Effects of Marine Environment on Reinforced Cement Concrete	V.Venkata Rambabu	CE	Journal of Advanced Research in Dynamical and Control Systems (Scopus)	2018	1943-023X
FRP strengthened RC Rectangular Columns under combined loading: Experimental study	Sreelatha Vuggumudi	CE	Proceedings of Institute of Civil Engineers (ICE)- Construction materials (Scopus)	2018	1943-023X
Evaluation of Urban Highway Environmental Noise Pollution in Hyderabad	Balaji V	CE	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
Planning and Design of Rooftop Rainwater Harvesting (RT-RWH) system in N.B.K.R.I.S.T. campus– A case study	Nambi Harish	CE	Journal of Emerging Technologies and Innovative Research	2018	2349-5162

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Analysis of Bituminous Concrete mixes using H.D.P.E & Crumb rubber as Admixtures	Thumai Chandra Sekhar	CE	International Journal for Research in Engineering Applications and Management	2018	2454-9150
International Journal for Research in Engineering Applications and Management	Thumai Chandra Sekhar	CE	International Journal for Research in Engineering Applications and Management	2018	2454-9150
FRP strengthened RC Rectangular Columns under Combined Axial and Lateral Loading: Analytical Study. Elsevier- Structures	Sreelatha Vuggumudi	CE	Elsevier-Structures (Scopus)	2018	2352-0124
Interaction diagrams for FRP strengthened RC rectangular columns with large aspect ratio.	Sreelatha Vuggumudi	CE	Elsevier-Construction and Building Materials	2018	0950-0618
Planning, Analysis and Design of an Over Head Circular Water Tank in N.B.K.R.I.S.T Using STAAD Pro. Software.	Mareddy Arun Kumar	CE	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
Experimental Study on High Performance Concrete with partial replacement of Cement by Fly Ash and fully replacement of Sand by Stone Dust	K.Sundeep Kumar	CE	Journal of Emerging Technologies and Innovative Research	2018	2349-5162
Identification of ground water potential zones using integrated approach: A case study on some sub-basins of lower Penna river basin.	Nambi Harish	CE	International Journal of Research and Analytical Reviews	2018	2349-5138
Low voltage ride through capability enhancement of DFIG wind turbine using STATCOM and super capacitor energy storage	O Felix and C.Umayal	EEE	IJPAM	2018	ISSN:1311-8080E-ISSN:1314-3395

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GWO Based Optimal Reactive Power Coordination of DFIG, ULTC and Capacitors	Sankaraiah Mogaligunta, S. Suresh Reddy , M. Vijaya Kumar	EEE	Indonesian Journal of Electrical Engineering and Computer Science	2018	ISSN: 2502-4752
Optimal tuning of Multi-Machine Power system Stabilizer Parameter using Grey wolf optimization algorithm.	P. Dhanaselvi S. Suresh Reddy R. Kiranmayi	EEE	ICECIT Conference Organized by Srinivasa Ramanujan Institute of technology, Ananthapuramu	2018	ISSN 1876-1100; 1876-1119(e)
PSO Based Reactive Power Coordination of PV System and Voltage Controlled Devices	Sankaraiah Mogaligunta, S. Suresh Reddy, M. Vijaya Kumar	EEE	Springer	2018	ISSN 1876-1100; 1876-1119(e)
A convolution neural network (cnn) based deep learning neural network forecast model for wind energy prediction	K. Gunavardhan , I. Prabhakar Reddy & P. Sujatha	EEE	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	ISSN:224 9-6890E- ISSN:224 9-8001
Structural Analysis of Brake Disc Plate Using Three Different Materials.	M. Sreenivasulu K. Venkateswarlu P. Hazarathaiah	MED	International Journal of Research and Analytical Reviews.	2018	2348-1269
Design and Analysis of Lifting Hook With Different Materials	P. Hazarathaiah K.Venkateswarlu M.Sreenivasulu	MED	International Journal of Emerging Technologies and Innovative Research.	2018	2349-5162

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Review on Aluminium Metal Matrix Composites And EDM Process	B.Madhusudhana Reddy P.Anand	MED	International Journal of Emerging Technologies and Innovative Research.	2018	2349-5162
Emission analysis on compression ignition engine fueled with lower concentrations of Pithecellobium dulce biodiesel-diesel blends	Sriharikota Chandra Sekhar K.Karuppasamy Ravishankar Sathyamurthy Medhat Elkelawy Hagar Alm El Din Bastawissi	MED	Heat Trans—Asian Research. WILEY	2018	1523-1496 (SCI)
Finite element simulation of Temperature Distribution Distortion and Residual Stresses of Dissimilar Welded Joints	K. Venkateswarlu P.Nanda Kumar P.S. Ravi Kumar	MED	Materials Today: Proceedings	2018	214-7853
Experimental Investigation on Radial Ball Bearing Parameters Using Taguchi Method	G.Maheedhar Reddy, V.Diwakar Reddy, B.Sateesh Kumar, J Syam Sundar	MED	Journal of Applied sciences and Computational Mechanics	2018,	1076-5131
Robotic Arm Control through Video Surveillance of a Robot using Raspberry pi3	Dr. G. Harinatha Reddy, K. Alekhya	ECE	Journal of Emerging technologies and innovative research (JETIR)	2018	23495162
A hybrid approach to visual vessel extraction with segmentation	Dr. P. Mohanaiah, R. Lavanya, Dr. PVV Kishore	ECE	Science direct(Elsevier) Materials today	2018	13697021
Color Image Segmentation Based on Bayes Classification and Clustering	Dr. K.Nagi Reddy, M. Raveendra, M Vamsi,Dr. S. MaruthuPerumal	ECE	International Journal of Innovative Research in Technology	2018	23496002
Wild Fire Detection using Internet of Things	Dr. G. Kameswari	ECE	IJETA	2018	23939516
Rectangular Enclosure Possessing Multiple apertures with Various Dimensions including Mutual Coupling Effect	Dr. G. Kameswari	ECE	IJPAM	2018	13118080

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Retinal Vessel Feature Extraction From Fundus image using Image Processing Techniques	R. Lavanya	ECE	International Journal of Engineering and Technology (UAE)	2018	2227524 X
Design and implementation of a 16- Bit ALU in Quantum Dot Cellular Automata	P. Valibasha, Sreekanth Yedoti, Vinay Kumar Cheekati	ECE	International Journal of Scientific Research in computer science Engineering and Information Technology	2018	2456330 7
Design of reversible logic ALU using Quantum Dot Cellular Automata	P. Valibasha, Sumitra Sangam, Amulya Elizabeth Rani Boouuri	ECE	International Journal of Scientific Research in computer science Engineering & Information Technology	2018	2394409 9
A Novel Technique to Detect 3D Defects in Stereoscopic Videos Automatically by using Binocular Disparity	K. Kannaiah,P. Yamini Sree, P. Suma,N. Thulasiranm	ECE	International Journal of Advanced Technology and Innovative Research	2018	2348237 0
Dynamic and Reliable Node Auto Configurations to Improve QOS in Wi-Max Networks	U. Sreenivasulu	ECE	Journal of Advanced Research in Dynamic & Control Systems	2018	1943023 X
IoT Based Irrigation System by using Distributed Wireless Network	U. Sreenivasulu	ECE	International journal of science & Technology education research	2018	2319888 5
SELECTIVE Transistor Redundancy For Combinational Circuits to Reduce Faults	U. Sreenivasulu	ECE	International Journal of Current Advanced Research	2018	2319650 5
Parametric analysis of massive MIMO 5G PIFA with decoupling structure	CH. Likhitha	ECE	Journal of Advanced Research in	2018	1943023 X

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			Dynamical and Control Systems (JARDCS)		
Location and Quality of Service Guaranteed Optimized Routing In Wireless Sensor Network Environment	J.Avinash	CSE	JARDCS	2018	1943-023X
Active direction-finding for files integrity and interruption segregated services in wireless sensor networks	J.Avinash	CSE	IJTR	2018	2320-5547
Building test cases by particle swarm optimization(PSO) for multi output domain embedded systems using combinatorial techniques	M.Lakshmi Prasad	CSE	Conference	2018	---
Edge Based Robust Image Watermarking Scheme for Copyright Protection of Images	M.Blessy Sharon	CSE	ICECDS	2018	9781-5386-18875
Joule Heating and Thermal Radiation Effects on MHD Peristaltic Couple Stress Hemodynamic Fluid Model through an Inclined Channel with Chemical Reaction	S. Ravikumar J. Suresh Goud P., Srilatha R. Sivaiah	S & H	International Journal of Pure and Applied S & H	2018	1311-8080,
Hall and Convective Boundary Conditions Effects on Peristaltic Flow of a Couple Stress Fluid with Porous Medium Through a Tapered Channel Under Influence of Chemical Reaction	S. Ravikumar J. Suresh Goud R. Sivaiah	S & H	International Journal of Mechanical Engineering and Technology	2018	0976 – 6340, eISSN: 0976 - 6359
Study of hall current, radiation and velocity slip on hydromagnetic physiological hemodynamic fluid with porous medium through joule heating and mass transfer in presence of chemical reaction	S. Ravikumar	S & H	INTERNATIONAL JOURNAL OF HEAT AND TECHNOLOGY(IJHT)	2018	0392-8764

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Chemical reaction and heat generation effects on mhd free convective flow over a porous plate with variable temperature and variable concentration	D. Vijaya Sekhar S. Ravi Kumar S K. Abzal	S & H	International Journal of Engineering Research and Applications (IJERA)	2018	2248-9622
Chemical reaction and heat generation effects on MHD free convective flow over a porous plate with variable temperature and variable concentration	Dr. D. Vijaya Sekhar	S & H	International Journal of Engineering Research and Applications	2018	ISSN: 2248 - 9622
A study on free convective heat and mass transfer flow through a highly porous medium with radiation, chemical reaction and Soret effects	K.Suneetha G.V.Ramana Reddy S.M.Ibrahim	S & H	<i>Journal of Computational and Applied Research in Mechanical Engineering</i>	2018	121-132 ISSN:2228-7922
Radiation and heat source effects on MHD flow over a permeable stretching sheet through porous stratum with chemical reaction	K.Suneetha S.M.Ibrahim G.V.Ramana Reddy	S & H	Multidiscipline Modeling in Materials and Structures	2018	1101-1114
Joule Heating and Thermal Radiation Effects on MHD Peristaltic Couple Stress Hemodynamic Fluid Model through an Inclined Channel with Chemical Reaction	S. Ravikumar J. Suresh Goud P., Srilatha R. Sivaiah SK. Abzal	S & H	International Journal of Pure and Applied S & H	2018	1311-8080, E-ISSN: 1314-3395
Chemical reaction and heat generation effects on mhd free convective flow over a porous plate with variable temperature and variable concentration	D. Vijaya Sekhar S. Ravi Kumar S K. Abzal	S & H	International Journal of Engineering Research and Applications (IJERA)	2018	2248-9622
Peristaltic flow of a Jeffrey fluid in contact with a Newtonian fluid in a vertical channel	R. Sivaiah R.Hemadri Reddy	S & H	<i>Applie S & H and Scientific Computing, Trends in S & H</i>	2018	Doi:10.1007/978-3-030-01123-9_19
Hall And Convective Boundary Conditions Effects on Peristaltic Flow of A Couple Stress Fluid With Porous Medium Through A Tapered Channel Under Influence of Chemical Reaction	S. Ravikumar R. Sivaiah	S & H	International Journal of Mechanical Engineering and Technology (IJMET)	2018	0976-6359

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Joule Heating and Thermal Radiation Effects on MHD Peristaltic Couple Stress Hemodynamic Fluid Model through an Inclined Channel with Chemical Reaction	S. Ravikumar R. Sivaiah J. Suresh goud	S & H	<i>International journal of pure and applied S & H</i>	2018	1314-3395
Effect of Substrate Temperature on Nitrogen Doped Titanium Oxide Thin films	B.V.Krishna Reddy et.al.	S&H	Int. J. of Engg. Sci. Invention	2018	2319-6734
Physical Properties of dc magnetron sputtered titanium oxide thin films	B.V.Krishna Reddy et.al.	S&H	J. of Engg. Res. & Applications	2018	2248-9622
Influence of oxygen partial pressure and annealing temperature on the physical properties of nanostructured ZnO thin films prepared by RF magnetron sputtering	R.SubbaReddy et. al.	S&H	Advanced Materials Proceedings	2018	
Mapping out Diasporic Sensibility in the Modern English Literature	Dr. G. Chenna Reddy	S & H	Spectrum	2018	2319-6076

7. IQAC Initiatives during 2018-19 AY

S. No	Name of quality initiative by IQAC	Duration (from – to)
1	3-day workshop on "ENTREPRENEURSHIP AWARENESS CAMP (EAC)	03-01-2019 to 05-01-2019
2	Grant of Permanent Affiliation to NBKRIST for 3 years by JNTUA	Oct 2018 to Oct 2021
3	Participated in National Institutional Ranking Framework (NIRF)	12/14/2018
4	Participated - Best Practices under clean and smart campus award 2019 by AICTE	2018-19
5	ISO 9001:2015	20-02-2019 to 20-02-2020
6	1-day workshop on "ENTREPRENEURSHIP NEED & OPPORTUNITIES	7/27/2018

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7	Startup India Andhra Pradesh Yatra-Boot Camp	8/27/2018
8	Organized Axion-2019 a National Level Technical Symposium	3/15/2019
9	Techno Quest 2018	10/13/2018
10	Aavishkar- 2k19	1/29/2019
11	ISTE Gnosis18	9/29/2018
12	All courses are accredited by NBA under Tier-I for Three years (2019-20 to 2021-22)	3/30/2019
13	JNTUA team visit for Renewal of Research Centers by JNTUA - MEC, ECE & EEE	2019
14	Student Grand Prix(SGP)-2K18 Mega ATV Championship	23-03-2018 to 24-03-2018
15	Different Types of Geotechnical practices in Evaluating and restoring stability of Structures	3/11/2019
16	Personality Development	1/12/2019
17	Techvyuha 2018-19	3/8/2019
18	Data Communication and Computer Networks	3/12/2018
19	Open-Source Technologies	9/4/2018
20	Data Science and Careers	10/9/2018
21	OPI	1/25/2019
22	A guest lecture on "JOB INTERVIEW SKILLS"	8/11/2018
23	Guest Lecture on Intensive coaching for GATE with PSU's jobs	3/10/2018
24	Electric Vehical The Future of Mobility	9/26/2018
25	Preparing Work Force For Future (Online Mode)	10/31/2018
26	Operation Research	8/13/2018
27	Workshop on Applications of Antennas & Microwaves	9/29/2018
28	Workshop on Skill Development & Technical Paper Writing	9/28/2018
29	Technical Quiz	6/9/2018
30	Essay Writing Competition on Digital India	10/8/2018

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8. Extension activities conducted through NSS/NCC during 2018-19 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 Parliament Elocution Competition in connection with National Youth Parliament Festival-2019 held in Nellore on 28 th January 2019.	National youth parliament festival -2019	2019	25
Conducted a Mega Blood Donation Camp on 20 th February 2019 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Units along with Red cross	2019	500
Conducted a World Aids Day Rally on 1 st December 2018 in connection with World Aids Day .	NSS Units	2018	300
Conducted an Elocution Competition on “PATRIOTISM AND NATION BUILDIND” in connection with a Declamation contest as part of Republic Day celebrations, 10 th October 2018.	NSS Units along with NYKS	2018	25
Conducted a Swach NBKR Hostels Programme at NBKRIST in connection with Gandhi Jayanthi, 2 nd October.	NSS Units	2018	350
Conducted a Blood Donation Camp on 11 th September 2018 in NBKR Institute of Science and Technology on the eve of Independence Day	NSS Units	2018	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	Govt. Hospital, Gudur	2018-19
Blood Donation Camp	Appreciation	Red Cross Society	2018-19
Elocution completion	Winner(2 nd Place)	NYKS, Nellore	2018-19
Blood Donation Camp	Appreciation	Red Cross Society	2018-19

b) NCC Activities

Name of the activity	Date of the activity	Number of students participated
1.REPUBLIC DAY	26-1-2019	1500
2.INDEPENDENCE DAY	15-8-2019	1650
3.BLOOD DONATION CAMP	21-6-2019	550

c) Students participating in extension activities during 2018-19AY

Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities
Participated our students in District level NSS Youth Parliament Elocution Competition in connection with National Youth Parliament Festival-2019 held in Nellore on 28 th January 2019.	National youth parliament festival - 2019	25
Conducted a Swachh NBKR Hostels Programme at NBKRIST in connection with Gandhi Jayanthi, 2 nd October.	NSS & NCC Units	350
Conducted a Blood Donation Camp on 11 th September 2018 in NBKR Institute of Science and Technology on the eve of Independence Day	NSS Units	300
REPUBLIC DAY	NCC Unit	1500
INDEPENDENCE DAY	NCC Unit	1600
SURGICAL STRIKE DAY	NCC Unit	250
FOOT POLICING	NCC Unit	120
SWACHHATHA KI PAKHWADA	NCC Unit	180
Conducted a Blood Donation Camp on 10 th August 2018 in NBKR Institute of Science and Technology on the eve of Independence Day	NBKRIST Students Union	250
Conducted yoga programme in NBKR Institute of Science and Technology in connection with International Yoga Day.	NBKRIST Students Union	300
Participated our students in District level NSS Youth Parliament Elocution Competition in connection with National Youth Parliament Festival-2019 held in Nellore on 28 th January 2019.	NBKRIST Students Union	25
Conducted a Mega Blood Donation Camp on 20 th February 2019 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NBKRIST Students Union	500

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Conducted a World Aids Day Rally on 1 st December 2018 in connection with World Aids Day.	NBKRIST Students Union	300
Conducted an Elocution Competition on “PATRIOTISM AND NATION BUILDIND” in connection with a Declamation contest as part of Republic Day celebrations, 10 th October 2018.	NBKRIST Students Union	25
Conducted a Swach NBKR Hostels Programme at NBKRIST in connection with Gandhi Jayanthi, 2 nd October 2018	NBKRIST Students Union	350
Conducted a Blood Donation Camp on 11 th September 2018 in NBKR Institute of Science and Technology on the eve of Independence Day	NBKRIST Students Union	300

d) Sports Activities

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

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9. Plan of Action by IOAC/Outcome of 2018-19 AY

Plan of Action	Achievements
<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 –learning system. 	<ul style="list-style-type: none"> NPTEL courses. Workshops and guest lectures from Industrial experts are organized on robotics, internet of things. e-learning classes are organized Results 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 English spoken tutorials Programming skills by IBM. Extensive training programmes organized by Teamlease Company for all UG students to train them for placement QEEE programmes in association with IIT, Chennai
<ul style="list-style-type: none"> Proposal to start skill development programmes 	<ul style="list-style-type: none"> 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.
<ul style="list-style-type: none"> NBA accreditation 	<ul style="list-style-type: none"> All UG courses are accredited by NBA under Tier-1 for three years
<ul style="list-style-type: none"> UGC Autonomous status 	<ul style="list-style-type: none"> Autonomous status continued for next five years



IQAC Coordinator



Director

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