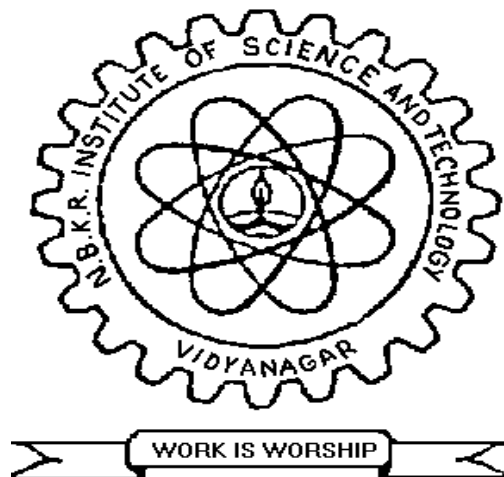


Internal Quality Assurance Cell

Annual Report

2014-15



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

Index of Contents

S.No.	Title of the Content	Page Number
1	Admissions of 2014-15 AY	3
2	Semester wise Results of 2014-15 AY	4
3	Placements of 2014-15 AY	5
4	Professional development / administrative training programs organized by the Institute for teaching and non teaching staff During 2014-15 AY	7
5	Teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during 2014-15 AY	7
6	Publications: Journals/books/conferences-Proceedings of 2014-15 AY	9
7	IQAC Initiatives of 2014-15 AY	11
8	Extension activities conducted through NSS/NCC during 2014-15 AY	11
9	Plan of Action by IQAC/Outcome of 2014-15 AY	13

1. Admissions of 2014-15 AY

Programme name	Programme Code	Number of seats available/sanctioned	Number of Students admitted
B.Tech. - CE	01	120	115
B.Tech. - EEE	02	120	81
B.Tech. - ME	03	120	115
B.Tech. - ECE	04	120	108
B.Tech. - CSE	05	120	98
M.Tech. - PS	82	36	14
M.Tech. - DECS	38	18	9
M.Tech. - CSE	58	36	11
M.Tech. - AMS	87	18	5

Internal Quality Assurance Cell - Annual Report 2014-15

2. Semester wise Results of 2014-15 AY

		ECE	EEE	CSE	EICE	CIVIL	MECH	Total
I B.Tech	Appeared	105	78	94	--	113	113	503
	Passed	84	52	59	--	78	83	356
	Pass %	80	66.66	62.76	--	69.02	73.45	70.77
		ECE	EEE	CSE	EICE	CIVIL	MECH	Total
II B.Tech I Sem	Appeared	137	131	78	--	137	134	617
	Passed	102	79	54	--	106	105	446
	Pass %	74.4	60.30	69.23	--	77.37	78.35	72.28
II B.Tech II Sem	Appeared	133	126	75	--	137	133	604
	Passed	111	93	65	--	93	103	465
	Pass %	83.45	7.80	86.66	--	67.88	77.44	76.98
		ECE	EEE	CSE	EICE	CIVIL	MECH	Total
III B.Tech I Sem	Appeared	116	120	70	--	133	124	563
	Passed	95	79	52	--	90	89	405
	Pass %	81.89	65.83	74.28	--	67.66	71.77	71.93
III B.Tech II Sem	Appeared	116	119	70	--	133	122	560
	Passed	101	59	51	--	120	86	417
	Pass %	87.06	49.57	72.85	--	90.22	70.49	74.46

		ECE	EEE	CSE	EICE	CIVIL	MECH	Total
IV B.Tech I Sem	Appeared	134	123	114	--	138	71	580
	Passed	122	102	107	--	128	52	511
	Pass %	91.04	82.92	93.85	--	92.75	73.23	88.10
IV B.Tech II Sem	Appeared	133	123	117	--	139	71	538
	Passed	126	96	109	--	138	59	528
	Pass %	94.73	78.04	93.16	--	99.28	83.09	90.56

		PS	DECS	CSE	ME	TOTAL
M.Tech I Sem	Appeared	14	09	11	05	39
	Passed	12	09	08	05	34
	Pass %	85.71	100	72.72	100	87.17
		PS	DECS	CSE	ME	TOTAL
M.Tech II Sem	Appeared	18	13	18	07	56
	Passed	17	13	18	06	54
	Pass %	94.44	100	100	85.71	96.42

Internal Quality Assurance Cell - Annual Report 2014-15

3. Placements of 2014-15 AY

Name of the employer with contact details	Package received	Number of students placed	Program graduated from
INFOVIEW, Contact Person -SARATH , Contact No- 9952943404	4.5 LPA	11	CSE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.18 LPA	7	CSE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.18 LPA	4	ECE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.18 LPA	8	EEE
TCS, Contact Person - Karthik Abhiram Contact No- 9959155953	3.18 LPA	4	MECHANICAL
SYNTEL, Contact Person - RAM , Contact No- 044 47428020	3.24 LPA	5	ECE
SYNTEL, Contact Person - RAM , Contact No- 044 47428020	3.24 LPA	4	CIVIL
IGATE, Contact Person - T. VIJAYA Contact No-9880275820	2.8 LPA	6	ECE
IGATE, Contact Person - T. VIJAYA Contact No-9880275820	2.8 LPA	1	CIVIL
SUJALA INFRA , Contact Person - SRINIVAS , Contact No-08514243603	2.4 LPA	3	CIVIL
ASTROTECH , Contact Person - K. DIVYA SREE, Contact No- 04443009061	2.4 LPA	3	CIVIL
INDUS TOWERS , Contact Person - SUDEEP NARAYAN , Contact No-04443435200	3.1 LPA	4	ECE
INDUS TOWERS , Contact Person - SUDEEP NARAYAN , Contact No-04443435200	3.1 LPA	3	CIVIL

Internal Quality Assurance Cell - Annual Report 2014-15

TAFE , Contact Person - RAVI CHANDRAN , Contact No-91 44 6691 9000	2.2 LPA	4	MECHANICAL
SOFTWARE SOL , Contact Person -SUBRAMANYAM , Contact No-08030534700	1.4 LPA	3	ECE
ORIENT CEMENT, Contact Person - K.V. SUBBA RAO , Contact No-08736240510	2.75 LPA	5	CIVIL
TECH MAHINDRA , Contact Person - T. SATYA, Contact No-04030636363	3.2 LPA	6	ECE
INFOSYS , Contact Person - RICHARD LOBO, Contact No-08028520261	3.4 LPA	5	EEE
SUTHERLAND, Contact Person - Chanra Shekar Contact No- 9840099738	1.8 LPA	4	CSE
SUTHERLAND, Contact Person - Chanra Shekar Contact No- 9840099738	1.8 LPA	23	ECE
SUTHERLAND, Contact Person - Chanra Shekar Contact No- 9840099738	1.8 LPA	3	MECHANICAL
SIEMENS, Contact Person - BRAHMA, Contact No-044 40021511	5.5 LPA	3	ECE
Total		119	

Internal Quality Assurance Cell - Annual Report 2014-15

4. Professional development / administrative training programs organized by the Institute for teaching and non teaching staff During 2014-15AY

Title of the professional development program organized	Dates (from-to)	No. of participants
For Teaching Staff		
Five day FDP on “Recent Advances in Concrete Technology”, Organized by the department of Civil Engineering, N.B.K.R.I.S.T, Vidyanagar, from 06th to 10th June 2015.	06.06.2015 - 10.06.2015	7
FDP o advanced computer communication & spread spectrum techniques	27.04.2015 - 09.05.2015	54
FDP on CFD	08.06.2015 - 25.06.2015	30
National level workshop on “Design of Power Converters in Microgrid using MATLAB”, at NBKRIST, VIDYANAGAR.	18 th Oct 2014	63
Java by oracle	15.02.2015 - 19.02.2015	9
Total Programmes: 5		

5. Teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs during 2014-15 AY

S.No.	Number of teachers who attended	Title of the professional development program	Date and Duration (from – to)
1	1	One day workshop on URBAN STORMWATER MANAGEMENT organised by water & Environment Division, Department of civil engineering under TEQIP- II on 25 th January 2014.	25.01.2014
2	2	Applied Research: Design and Execution	15 th -19 th June 2015
3	1	Awareness on various programs for foreign university collaborations	16th may 2015
4	1	Challenges and Latest Trends in Nanocomposites	4 th -5 th September 2014
5	21	Design of Power Converters in Microgrid using MATLAB	18th Oct 2014
6	1	Emerging Trends in Stealth Technology & Application of Nanomaterials	19 th -20 th June 2015

Internal Quality Assurance Cell - Annual Report 2014-15

7	7	Five day FDP on “Recent Advances in Concrete Technology”, Organized by the department of Civil Engineering, N.B.K.R.I.S.T, Vidyanagar, from 06th to 10th June 2015.	06.06.2015 to 10.06.2015
8	1	Formulation of Research & Developments Initiatives for Engineering Faculty	5 th -6 th September 2014
9	2	Friction Stir Processing of Aluminium Alloys and Composites	5 th March 2015
10	1	materials preparation and measurement of properties	2.12.2014 to 17.12.2014
11	1	One day workshop on URBAN STORMWATER MANAGEMENT organised by water & Environment Division, Department of civil engineering under TEQIP- II on 25 th January 2014.	25.01.2014
12	2	Simulation & Modelling on CNC Machines	18 th December 2015
13	1	Theory and Applications of Finite Element Analysis	23 rd -27 th March,2015
14	1	Two week AICTE sponsored FDP on “Environmental Pollution-Causes Effects and Control Strategies” organized by Vidyanikethan Engineering College, Tirupathi during 8th to 20th June 2015.	08.06.2015 to 20.06.2015
15	2	Two week ISTE STTP workshop on "Environmental Studies", Conducted by IIT, Bombay from 2nd to 12th June 2015.	02.06.2015 to 12.06.2015
16	21	Design of Power Converters in Microgrid using MATLAB	18th Oct 2014
17	1	Awareness on various programs for foreign university collaborations	16th may 2015
Total Programmes: 17 Total Teachers attended: 67			

6. Publications: Journals/books/conferences-Proceedings of 2014-15 AY

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN numb
Detection of Masses in digital Mammogram using Gabor Based Edge Detection Method	Dr. G. Harinatha Reddy, Jitesh Kumar Jangala	ECE	International Journal of Industrial Electronics and Electrical Engineering (IJIEEE)	2014	23476 982
Vehicle Verification Based on LG Filters	Dr. K. Nagi Reddy, K. Deepthi Chaitanya	ECE	International Journal of Innovative Research & Development	2014	22780 211
Evaluation of Shielding Effectiveness of Rectangular Enclosure with Multiple Apertures Using Transmission Line Model	Dr. G. Kameswari, PVY Jayasree, V. Gopi	ECE	International Journal of Electronics, Communication & Instrumentation Engineering Research and Development (JECIERD)	2014	2249- 7951
Simulation of WI-MAX Adaptive Modulation Techniques	GV. Ramanaih, A. Kalavathi	ECE	International Journal of Emerging Engineering Research and Technology (IJEERT)	2014	23494 395
Region Filling Framework using Super Resolution Based on Exemplar Inpainting	B. Rajendra Prasad, G. Narasimha Murthy	ECE	International journal of Scientific Engineering and Technology Research	2014	23198 885
contrast enhancement for emissive displays using LHM with less power consumption	K. Kannaiah, B. Doss,	ECE	International Journal of Electronics & Communication Technology	2014	22307 109
A Heuristic Technique for Generating Pair wise Test Cases for Web Applications	M Lakshmi Prasad	CSE	IJRSCSE	2014	2349- 4840
Constructing T-Way Test Cases Using Genetic	M Lakshmi Prasad	CSE	IJRSCSE	2014	2349- 4840

Internal Quality Assurance Cell - Annual Report 2014-15

Algorithms					
Survey on Artificial Life Techniques for Generating the Test Cases for Combinatorial Testing.	M Lakshmi Prasad	CSE	IJRSCSE	2014	---
Generating Test cases for Testing WEB sites through Neural Networks and Input Pairs.	M Lakshmi Prasad	CSE	IJAER	2014	0973-4562
A Distributed System for detecting phishing and mail alert based malicious tweet URLs blocks in a Twitter Stream	S. Mamatha	CSE	IJAEGT	2014	2309-4893
Hydro Magnetic flow and heat transfer in an inclined composite porous medium bounded y parallel plates	Dr. S.Nandakishore	S&H	International journal of current engineering and technology	2014	ISSN : 2347 - 5161
k- Domination Number of Butterfly Graphs	P. Vijaya Jyothi	S & H	IOSR journal of Engg	2014	ISSN (e): 2250-3021
Spectroscopic studies on $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{P}_2\text{O}_5$ glasses doped with Ho_2O_3	Ch.Srinivasa Rao et.al.	S&H	International Journal of Science and Research	2014	2319-7064
Total Bondage Number Of A Butterfly Graph	P. Vijaya Jyothi	S & H	IOSR journal of Engg		ISSN (e): 2250-3021

Internal Quality Assurance Cell - Annual Report 2014-15

7. IOAC Initiatives of 2014-15 AY

S.No	Name of quality initiative by IQAC	Duration (from – to)
1	Recognition of Research Centres - EEE, ECE & ME by JNTUA - 2014-15	3/2/2015
2	ISO 9001:2015	06-01-2015 to 05-01-2018
3	Techno Quest 2014	4/12/2014
4	Engineering applications in auto component industry	8/12/2014
5	Axion 14 ECE	3/1/2014
6	ISTE Gnosis14	3/22/2014
7	Role of Admixture in Concrete	1/9/2015
8	Guest Lecture on Electromagnetic fields	14.08.2014
9	Guest lecture on Renewable energy sources	2/25/2014

8. Extension activities conducted through NSS/NCC during 2014-15 AY

a) NSS Activities

Name of the activity	Organising unit/agency/ collaborating agency	Year of the activity	Number of students participated
Conducted a Blood Donation Camp on 28-8-2014 in NBKR Institute of Science and Technology on the eve of Independence Day	NSS Unit	2016	200
Conducted a Mega Blood Donation Camp on 20 th February 2015 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Unit	2014	300

Awards received by NSS

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	2014-15

b) Students participating in extension activities during 2014-15AY

Name of the activity	Organising unit/ agency/ collaborating agency	Number of students participated in such activities
Conducted a Blood Donation Camp on 28-8-2014 in NBKR Institute of Science and Technology on the eve of Independence Day	NSS Unit	200
Conducted a Mega Blood Donation Camp on 20 th February 2015 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NSS Unit	300
Conducted a Mega Blood Donation Camp on 20 th February 2015 in connection with the Birth Anniversary of Late Dr. Nedurumalli Janardhan Reddy, former Chief Minister of AP.	NBKCRIST Students Union	300

c) Sports Activities

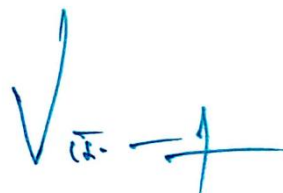
<http://sports.nbkrist.org/>

9. Plan of Action by IQAC/Outcome of 2014-15 AY

Plan of Action	Achievements
<ul style="list-style-type: none">• Preparation of NAAC Reaccreditation	<ul style="list-style-type: none">• Institute is reaccredited with 'A' by NAAC.
<ul style="list-style-type: none">• Proposal to improve the intake in M Tech programme in CSE and EEE.	<ul style="list-style-type: none">• Intake in M Tech (EEE) and M Tech (CSE) Increased
<ul style="list-style-type: none">• Proposal to start JNTUA Research centre to offer full time Ph D. Programmes	<ul style="list-style-type: none">• JNTUA has sanctioned Research centres for EEE, ECE and ME departments
<ul style="list-style-type: none">• Proposal to construct boy's waiting room.	<ul style="list-style-type: none">• Construction of new waiting room for boys is completed
<ul style="list-style-type: none">• Proposal to online student monitoring system	<ul style="list-style-type: none">• SMS alerts are introduced to send student information to the parents
<ul style="list-style-type: none">• Upgrade computational facilities	<ul style="list-style-type: none">• 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">• AICTE grant for RPS is sanctioned.
<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.**