



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution		JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Name of the head of the Institution		Prof. V. S. S. Kumar
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08842300888
Mobile no.		8008631555
Registered Email		registrar@jntuk.edu.in
Alternate Email		vc@jntuk.edu.in
Address		Pithapuram Road, East Godavari District.
City/Town		Kakinada
State/UT		Andhra Pradesh
Pincode		533003

2. Institutional Status					
University	State				
Type of Institution	Co-education				
Location	Urban				
Financial Status	state				
Name of the IQAC co-ordinator/Director	Prof. V. Ravindra				
Phone no/Alternate Phone no.	08842300919				
Mobile no.	9704700005				
Registered Email	diqacjntuk@gmail.com				
Alternate Email	ravindra.vipparthy@gmail.com				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	https://www.jntuk.edu.in/internal-quality-assurance-cell/				
4. Whether Academic Calendar prepared during the year	Yes				
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.jntuk.edu.in/wp-content/uploads/2017/08/Academic-Calendar-for-B.Tech-I-year-2017-Batch.pdf				
5. Accreditation Details					
				Validity	
Cycle	Grade	CGPA	Year of Accreditation	Period From	Period To
1	B+	2.67	2017	02-May-2017	01-May-2022
6. Date of Establishment of IQAC			30-Jul-2017		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

Incubation Centre	16-Jun-2017 2	250
JNTUK - DMC - Workshop on Learning Management Systems and Ed-Tech Tools (WLMSET)	22-Dec-2017 2	250
JNTUK	01-Jan-2018 5	300
JNTUK	30-Oct-2017 12	300
JNTUK	06-Oct-2017 2	400
JNTUK	18-Aug-2017 1	300
JNTUK	24-Jul-2017 1	200
JNTUK	10-Jul-2017 5	400
JNTUK	08-Jul-2017 1	150
No Files Uploaded !!!		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
University College of Engineering Kakinada, JNTUK	TEQIPIII	MHRD, NPIU	2017 1461	70000000
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:

No

Upload latest notification of formation of IQAC

No Files Uploaded !!!

10. Number of IQAC meetings held during the year :

0

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

11. Whether IQAC received funding from any of

No

the funding agency to support its activities during the year?

12. Significant contributions made by IQAC during the current year(maximum five bullets)

JNTUK University conducted Board of Studies (BoS) meetings during 27th to 29th, February 2016 to prepare the Choice Based Credit System Syllabus which is named as R16 regulations (Regulation 2016) to prepare Course structure and syllabus for all the B. Tech Engineering Disciplines and B. Pharmacy. The IQAC Coordinator and faculty member of Civil Engineering Department , University College of Engineering Kakinada, JNTU Kakinada is recognized under DST FIST. Sanctioning Rs.1.65 Crores for establishing Structural Dynamics laboratory. JNTUK Received a Grant of 1.2 Crores Obama Singh Initiative on "Promoting University Industrial Cooperation Creativity Diversity and Entrepreneurship in Computer Science"• Organized Two Day National Level Awareness Programme on "Establishing Incubation Innovation Centers" during 1516 June 2017 at JNTUK, Kakinada

No Files Uploaded !!!

13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Conduct of Massive Open Online Courses(MOOCs) for the academic year 2017-18 -II Semester	University conducted Massive Open Online Courses(MOOCs) for the academic year 2017-18 -II Semester for Computer Science & Engineering, Information Technology, Electronics & Communication Engineering, Mechanical Engineering
Planning to conduct a workshop for creating awareness in Learning Management Systems(LMS) and Ed Tech Tools to make class room teaching better to all the Faculty members of the University from Resource persons from abroad and reputed Organizationa	JNTUK conducted National Level Two Day "Workshop on Learning Management Systems and Ed-Tech Tools (WLMSET-2017)" on 22-23 December 2017"
Planning to conduct Faculty Development Programme on emerging technology area like IoT Applications	JNTUK conducted One Week Faculty Development Programme on IoT Applications from 22nd to 27th January, 2018 under TEQIP - III
Formation of an Incubation center	JNTUK has constructed an Incubation centre with a built up area of 20,000 Sq.Ft. The centre came into operation. MHRD funded Rs. 10 Crores project is being executed.
Developing an Educational ERP package to integrate all the educational departments along with all the colleges	The JNTUK University executed an MoU with TRUGIO Technologies Ltd., Hyderabad for developing an Educational ERP package to integrate all the educational departments along with all the colleges, Universities and other institutes from different domains

	through a single interface.
Conduct of National Workshop in Advanced Technical areas	JNTUK Conducted a National level Workshop on Advances in Electronics and Communication Engineering (AECE - 2017) was conducted from 26 - 27 August, 2017
Organizing Awareness Programme on "Establishing Incubation - Innovation Centres"	JNTUK Kakinada organized an Awareness Programme on "Establishing Incubation - Innovation Centres" during 15th - 16th June 2017 at JNTUK Kakinada University.
Organizing Workshop on Empowering Teaching Excellence through E-Learning Platforms	Organized a Workshop on Empowering Teaching Excellence through E-Learning Platforms E-Learning/MOOCs and Edu-Tech Tools to make class room teaching better in JNTUK on 08th July 2017
Planning to Conduct a Faculty Development Programme in the area of Materials & Manufacturing Engineering	JNTUK Conducted A Two Week Faculty Development Programme on "CONTEMPORARY ADVANCES IN MATERIALS & MANUFACTURING ENGINEERING (CAMME - 2017)" from 30th Oct to 10th Nov 2017
Planning to Conduct a Faculty Development Programme in latest technologies like Internet of Things & Advanced Analytics	JNTUK Conducted A Five Day National Level Faculty Development Programme On Internet of Things & Advanced Analytics from 1st - 5th Dec, 2017 (Sponsored by TEQIP-III & Supported by CSI)
No Files Uploaded !!!	
14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	17-Apr-2017
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	24-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	eOffice system: All the files and approvals are being sent and received through eOffice system which is an integrated file and records management system that allows employees to manage content, search for data internally and

collaborate. The file system also enables the electronic movement and the tracking of files, and the archival and retrieval of data. University Examination Centre: The students can submit their applications online for exam fee payments, online for issue of certificates to the University Examination Centre.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
Mtech	1D04	CAD/CAM	05/08/2017
Mtech	1D15	Machine Design	05/08/2017
Mtech	1D21	Thermal Engineering	05/08/2017
Mtech	1A03	Mechanical Engineering	10/02/2018
Mtech	1D68	VLSI and Embedded System	01/07/2017
Mtech	1D80	Communication and Signal Processing	01/07/2017

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Electronics and Communication Engineering	06/06/2007	Network Analysis-R17-C115	27/02/2016
BTech	Electronics and Communication Engineering	06/06/2007	Electronic Devices and Circuits-R17-C201	27/02/2016
BTech	Electronics and Communication Engineering	06/06/2007	Switching Theory and Logic Design-R17-C202	27/02/2016
BTech	Electronics and Communication Engineering	06/06/2007	Electromagnetic Waves and Transmission Lines-R17-C211	27/02/2016

[View File](#)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Communication & Signal Processing	09/02/2017
Mtech	Thermal Engineering	09/02/2017
Mtech	VLSI & Embedded Systems	09/02/2017
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electronics and Communication Engineering	27/02/2016
BTech	Mechanical Engineering	27/02/2016
BTech	Electrical and Electronics Engineering	27/02/2016
BTech	Computer Science and Engineering	27/02/2016
BTech	Civil Engineering	27/02/2016
Mtech	Instrumentation and Control Engineering	27/02/2016
Mtech	Computer and Communication	27/02/2016
Mtech	VLSI and Embedded System	27/02/2016
Mtech	Communication and Signal Processing	27/02/2016
Mtech	Thermal Engineering	27/02/2016
Mtech	CAD/CAM	27/02/2016
Mtech	Machine Design	27/02/2016
Mtech	High Voltage Engineering	27/02/2016
Mtech	Advanced Electrical Power System	27/02/2016
Mtech	Power Electronics & Drives	27/02/2016
Mtech	Computer Science and Engineering	27/02/2016
Mtech	Information Technology	27/02/2016
Mtech	Master of Computer Application	27/02/2016
Mtech	Structural Engineering	27/02/2016
Mtech	Soil Mechanics & Foundation Engineering	27/02/2016

Mtech	Hydraulics & Water Resources Engineering	27/02/2016
Mtech	Avionics	27/02/2016
Mtech	Biotechnology	27/02/2016
Mtech	Environmental Engineering & Management	27/02/2016
Mtech	Renewable Energy	27/02/2016
Mtech	Remote Sensing	27/02/2016
Mtech	Nanotechnology	27/02/2016
Mtech	Environmental Occupational Health & Safety	27/02/2016
Mtech	Food Processing Technology	27/02/2016
MPharm	Pharmaceutics	27/02/2016
MPharm	Pharmacology	27/02/2016
MPharm	PA&QA	27/02/2016
BTech	Information Technology	27/02/2016
BTech	Metallurgical Engineering	27/02/2016
Mtech	SYSTEMS AND SIGNAL PROCESSING(ECE)	27/02/2016
Mtech	MATERIAL SCIENCE AND TECHNOLOGY(MET)	27/02/2016

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Professional Ethics Human Values	27/02/2016	67
IPR PATENTS	27/02/2016	67
ENVIRONMENTAL SCIENCE	27/02/2016	130
CONSTITUTION OF INDIA	27/02/2016	67
ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE	27/02/2016	67
EMPLOYABILITY SKILLS	27/02/2016	134
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Electrical and Electronics Engineering	42
BTech	Mechanical Engineering	45
Mtech	Avionics	13

Mtech	Biotechnology	20
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	No
Parents	No

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<ul style="list-style-type: none"> The institute is regularly taking the Exit feedback from final year B.Tech students, based on the feedback (after analysis) with the support of Alumni, UCEK is providing Best Teacher Awards during teachers day celebrations (a certificate, memento and cash award will be given to best teachers of the department) Semester End feedback were taken using Google forms, will be shared the analysis report to HoDs and in turn to concern faculty, aiming for bringing seriousness and enhancing the academic ambience and also for presenting/submitted to accreditation committees Feedback from teachers were taken at the department level During the performance audit, the performance auditor interacts with all faculty, staff, parents and alumni separately and analysis of the feedback will be provided to the Principal and the same will be discussed in college academic committee (CAC) and necessary actions were initiated. After the completion final years examinations, during the alumni induction day, students present their experiences and feedback in front of university officials and the same will be utilized for overall enhancement Moreover, some of the faculty are taking feedback on their own using Moodle / Google forms.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MPharm	M.Pharmacy(Pharmacology)	11	11	11
Mtech	M.Tech(Nanotechnology)	23	2	2
Mtech	M.Tech(Renewable Energy)	23	15	15
Mtech	M.Tech(Biotechnology)	23	11	11
Mtech	Avionics	23	13	13
Mtech	M.Tech(Environmental Engg & Management)	23	14	14
Mtech	M.Tech(Remote	23	12	12

	Sensing))			
Mtech	M.Tech(Environmental Occupational Health & Safety)	23	18	18
MPharm	M.Pharmacy(Pharmaceutics)	16	16	16
MPharm	M.Pharmacy(Pharmaceutical Analysis)	16	16	16
View File				

2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	706	571	70	80	33

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
183	183	5	49	2	4

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Yes, it's available. The University College of Engineering Kakinada has mentoring system. In addition to this, through departmental committees needy students were mentored / counselled. University College of Engineering Vizianagaram: Student mentoring System is available at JNTUK University College of Engineering Vizianagaram (UCEV) and every academic department has a mentoring system to council and support students. For effective implementation of various initiatives required for the student support and mentoring, the Departmental Committees are activated. Each faculty member is assigned a group of students for counselling and mentoring. Thrust is given to those students who particularly hail from rural/tribal background. The Placement Officers are arranging on-campus interviews in coordination with various corporate offices, industries and organizations for final placements. Apart from placements and classroom counselling, the following are a few measures which JNTUK-UNIVERSITY COLLEGE OF ENGINEERING adopts to encourage and guide the students: Pre-admission counselling, Orientation programmes, Bridge courses, Ragging free campus, Hostel accommodation, Transport, Remedial classes, Infrastructural support, Competency building programmes, Health care, Physical fitness, Socialization, Ethical character building, Organization abilities and leadership skills, enhancing research capabilities and Service personality.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1820	183	1:10

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
217	183	34	99	52

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Prof.G.Yesuratnam	Professor	BEST TEACHER AWARD
2017	Prof.D.Koteshwar Rao	Professor	BEST TEACHER AWARD
No file uploaded.			

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	1A	II/I	08/05/2018	03/08/2018
BTech	1A	II/II	30/05/2018	03/08/2018
BTech	1A	II/III	04/05/2018	03/08/2018
View File				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	1820	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.jntucek.ac.in/departments/1/civil_engineering

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
16	MPharm	PA & QA	13	13	100
3	MPharm	Pharmaceut ics	14	14	100

79	Mtech	EOH &S	12	12	100
32	Mtech	Remote sensing	21	21	100
96	Mtech	Nanotechnology	9	9	100
2	Mtech	Renewable energy	12	12	100
97	Mtech	Avionics	20	20	100
3	Mtech	Biotech	5	5	100
1	Mtech	EEM	20	20	100
6	MPharm	pharmacology	14	14	100

[View File](#)

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://docs.google.com/forms/d/e/1FAIpOLsfdNhI_Yxj0DA16yYyx23AMv2GRNgGuvP0R_of1JM9zEKDCgag/viewform

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr.Lingaraju Dumpala	Research fellow ship one week at AACHEN UNIVERSITY	08/03/2018	AACHEN UNIVERSITY, GERMANY
International	Dr. L Sumalatha	University Innovation Fellows	08/03/2018	Stanford University, USA
International	Dr. A Karuna	University Innovation Fellows	08/03/2018	Stanford University, USA
International	Dr. E Suneetha	University Innovation Fellows	08/03/2018	Stanford University, USA
National	Dr. T. Siva Rama Krishna	Fellowship of India School on Internet Governance	07/02/2018	inSIG

No file uploaded.

3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
NIL	0	NIL

[View File](#)

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	730	UGC	30	30
Major Projects	730	Science and Engineering Research Board (SERB)	16.37	16.37
Any Other (Specify)	730	DRDO	9.9	9.9

No file uploaded.

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Organized an Awareness Programme on "Establishing Incubation-Innovation Centers" during 15th -16th June 2017 at JNTUK, Kakinada	Directorate of Incubation and IPR	15/06/2017
Organized a one day workshop to Faculty and Students on Cloud Computing Applications on 13th March 2018.	Directorate of Incubation and IPR	13/03/2018

No file uploaded.

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Student	D. Uday Kiran	JNTUK University	08/08/2018	Best Outstanding student
Teaching	Dr.G.Yesuratnam	AP.State Government	05/09/2018	Best Teacher Award
Teaching	Dr.D.Koteswara Rao	AP.State Government	05/09/2018	Best Teacher Award
Student	K.Venkata Supraja	JNTUK University	08/08/2018	Best Outstanding student

No file uploaded.

3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
-------------------	------	--------------	----------------------	--------------------	----------------------

Directorate of Incubation IPR	Nil	Nil	Nil	Nil	Nil
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Department of Civil Engineering	3
Department of Electrical and Electronics Engineering	8
Department of Mechanical Engineering	10
Department of Electronics and Communication Engineering	23
Department of Computer Science and Engineering	34

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Science and Engineering	22	Nil
International	Department of Civil Engineering	15	Nil
International	EEE	12	Nil
View File			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE	10
EEE	17
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Method for Shape-Based Object Recognition with Modified Shape Contact	Filed	201741026967	04/08/2017
Method for Skin Colour Segmentation with Generic Bivariate Pearson Mixture	Filed	201741037353	03/11/2017
Multicore System	Filed	201841009115	16/03/2018

for Reprocessing of Tasks			
Dr. A Krishna Mohan Accomplishment of "PAY AS YOU GO" Approach on Entity Resolution - for Data Integration and Data Privacy	Filed	201741022483	27/12/2017
View File			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Soft fuzzy rough set-based MR brain image segmentation	S. Srinivasa Kumar	Applied Soft Computing Journal	2017	42	JNTUK Kakinada	Nil
Generalised rough intuitionistic fuzzy c-means for magnetic resonance brain image segmentation	S. Srinivasa Kumar	IET Image Processing	2017	41	JNTUK Kakinada	Nil
Effect of flat plate collectors in series on performance of active solar still for Indian coastal climatic condition	V. Ramachandra Raju	Journal of King Saud University - Engineering Sciences	2018	33	JNTUK Kakinada	Nil
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations	Institutional affiliation as
--------------------	----------------	------------------	---------------------	---------	---------------------	------------------------------

					excluding self citation	mentioned in the publication
Design and implementation methodology for rapid control prototyping of closed loop speed control for BLDC motor	Saibabu. Ch	Journal of Electrical Systems and Information Technology	2018	17	34	Jawaharlal Nehru Technological University Kakinada
Power system security enhancement with unified power flow controller under multi-event contingency conditions	S.Sivana garaju	Ain Shams Engineering Journal	Nil	24	24	Jawaharlal Nehru Technological University Kakinada
Enhanced grey wolf optimizer based MPPT algorithm of PV system under partial shaded condition	Srinivasa Rao Rayapudi	International Journal of Renewable Energy Development	2017	22	31	Jawaharlal Nehru Technological University Kakinada
Soft fuzzy rough set-based MR brain image segmentation	Srinivas kumar Sama	Applied Soft Computing	2017	21	59	Jawaharlal Nehru Technological University Kakinada
View File						

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	42	10	Nil	Nil
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering Department	Ramachandrapuram Municipality - Testing of compressive strength of concrete cubes. First floor slab of Block C-18@ Ramachandrapuram	Construction Municipal Office Building - Machilipatnam MunicipalityZuari Cement 43 Opc	123000
Civil Engineering Department	Municipality - Construction of a community hall at Radhakrishna nagar	Polavaram Irrigation Project Left Main Canal from Km 0.000 to Km 25.600 on E.P.C. Turnkey system - Requisition for Design mixes of various concrete grades M10.	88000
Civil Engineering Department	Gokavaram Mandal - Construction of Housing infrastructure works	: WRD PIPHW - Division No.2 - Package 63 - Conduction of test for sand filter material for Bund I II - Testing of soil	228000
Civil Engineering Department	Civil Works for Erection of 132/33 KV Mummdivaram SS in East Godavari District	RWS S Sub -Division - Prathipadu -DMF Works - . 1) Providing Additional OHSR in Pedasankarlapudi (V) of Prathipadu (M) Est cost Rs.25.00 Lakhs mix design M30	264000
View File			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
HV lab	testing of various hot line sticks	APGENCO	1.23	0
Dr.D.Linga Raju	FRICITION STIR WELDING AND FRICITIONSTIR PROCESSING CHARGES	RESEARCH SCHOLARS	28000	0

Dr.V.Jaya prasad	METALLURGY LAB CONSULTANCY	RESEARCH SCHOLARS	5000	0
No file uploaded.				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Yoga Day Celebrations" in the campus	NSS	10	50
Blood donation camp on 02-07-2017	NSS	15	150
Swachh Bharat programme in the EEE and CSE departments on 16th September 2017	NSS	30	200
2K run organized by The TEAM Hospital to create awareness on World Heart Day on 29.09.2018	NSS	20	150
rally Organized by Police dept. to create awareness about SHE TEAM Kakinada on 10.03.2018	NSS	15	150
3 Day training programme on "Disaster Management First Aid" in association with Red Cross Society Kakinada	NSS	12	250
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Skill Development Training Programme for Students	Siemens Centre of Excellence	Andhra Pradesh State Skill Development Corporation	2552
No file uploaded.			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government

Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
	NSS	3 Day training programme on "Disaster Management First Aid" in association with Red Cross Society Kakinada	12	250
	NSS	International Yoga Day Celebrations" in the campus	10	50
	NSS	Blood donation camp on 02-07-2017	15	150
	NSS	Swachh Bharat programme in the EEE and CSE departments on 16th September 2017	30	200
	NSS	2K run organized by The TEAM Hospital to create awareness on World Heart Day on 29.09.2018	20	150
	NSS	rally Organized by Police dept. to create awareness about SHE TEAM Kakinada on 10.03.2018	15	150
View File				

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
two-day National Conf. "VSPICE2k18" during 19-20 July 2018	Faculty of CETB	TEQIP-III	2
STP "CNC and	Students of CETB	TEQIP-III	2

Robotics
Programming in
Manufacturing
Industries"

[View File](#)

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Workshop	Workshop on Internet of Things	CET, Bhubaneswar	23/03/2018	24/03/2018	Dr MHM Krishna Prasad, Professor of CSE, UCEK(A), JNTUK, Kakinada
Contributed to write the book Internet of things with Deep Learning for Societal Applications	Book Publication	Dr.P.Kiran Sree,Vishnu Engineering College for women ,Bheemavaram,Ph.No :9493050794	Nil	Nil	Smt SSSN Usha Devi N, Assistant Professor of CSE, UCEK(A), JNTUK, Kakinada
Innovative Ideas with Design Thinking	Stanford's Hasso Plattner Institute of Design and the University Innovation Fellows Program	Standford University, College of Engineering, Hasso Plattner Institute of Design/ Ghanashyam S India Program Manager - University Innovation Fellows Mail Id: g@universityinnovation.org	Nil	Nil	Dr E Suneetha, Assistant Professor of CSE, UCEK(A), JNTUK, Kakinada
Innovative Ideas with Design Thinking	Stanford's Hasso Plattner Institute of Design and	Standford University, College of Engineering, Hasso	13/03/2018	14/05/2018	Dr L Sumalatha, Professor of CSE, UCEK(A),

the
University
Innovation
Fellows
Program

Plattner
Institute of
Design/
Ghanashyam S
India
Program
Manager -
University
Innovation
Fellows Mail
Id: g@univer
sityinnovati
on.org

JNTUK,
Kakinada

[View File](#)

3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
NAL	30/08/2017	Research and Internship	7

[View File](#)

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
27	27

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Existing

[View File](#)

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Bees Library Software	Partially	Null	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Null	Null	67	196732	67	196732
Reference Books						

e-Books	1181	2896279	Nil	Nil	1181	2896279
Journals	Nil	535750	Nil	Nil	Nil	535750
e-Journals	1199	2423288	Nil	Nil	1199	2423288
Others(s pecify)	Nil	Nil	Nil	13570	Nil	13570
No file uploaded.						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	Nil	Nil
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	226	3	1	0	0	0	3	100	0
Added	30	0	1	0	0	0	0	50	0
Total	256	3	2	0	0	0	3	150	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

150 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
Nil	2	406	405

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<p>University ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received from various bodies and enhances as per the requirements in the interest of students. Laboratory: The laboratory</p>
--

equipments, specimens, and other necessary chemicals are purchased by the office of the principal and purchase committee as per the requirements of the teaching departments of the college. Record of maintenance account is maintained by lab technicians, Lab In charges and under the chairmanship of HODs of the concerned departments. Maintenance of lab equipment were taken care by lab incharges and some of the expensive / sensitive and recently procured equipment were maintained through AMCs. The requirement and list of books is taken from the concerned BoS / HOD's. The finalized list of required books is duly approved The Principal and procured by the Librarian by strictly following University / State Govt. procurement norms, according to the case. Subscription of e-Journals and content with the support of University and indest consortium.

UCEK is having well established sports complex supported by Alumni, it is maintained by the Physical Director and other supporting staff. Some of our students were participated in National forums and won prizes also. The maintenance of classrooms is a regular exercise. The cleanliness of classrooms is ensured by the support of outsourcing agency / a group of workers and sweepers. After the admission process in every semester it is ensured that all the classrooms have adequate desks, benches. The fans and electrical appliances are checked wherever requirements are found the purchase committee and maintenance will be taken care by Project Engineer (Electrical). Sports Complex: The University is extensively promoting sports and games through its Constituent /Affiliated Colleges, Institutes, and Schools. The students are participating in various events and games inside and outside the college and are bringing laurels to our university. The University has an Exclusive directorate "University Games Sports", headed by a Director (Professor of Civil Engineering) supported by Secretary, Sports Council (Assistant Professor of Physical Education, UCEK), Secretary, Inter-Collegiate Tournaments. (Assistant Professor of Physical Education, UCEN) Assistant Professor of Yoga (Contract). Also a separate Department for Physical Education and Sports activities. The Students of the colleges are making use of the facilities of this Department for their Physical fitness by participating in various sporting activities. One Assistant Professor of Physical Education (Regular), Two Assistant Professors of Physical Education (Contract), One GYM Trainer, One Self Defensive Skills Trainer, One Junior Assistant, One Store Keeper, Three Grounds men are available. The teachers of Department of Physical Education keep a well maintained record of all the sports equipment. Procurement of new equipment is done by following a proper procedure. The equipment are purchased according to the requirement of the teams that practiced for the Inter- College, State, National and other Open and Invitational Tournaments. Department also maintain the record of student attending daily sports practice and their refreshment.

https://www.jntucek.ac.in/departments/11/physical_education

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	GATE/GPAT	28	4166400
Financial Support from Other Sources			
a) National	Jnanabhumi (B.Tech)	792	17677600
b)International	Nill	Nill	Nill

No file uploaded.

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Conducted "Personality Development, Time Management and Stress Management" for First Year B.Tech Students	12/09/2017	350	Akshaya Paatra Foundation, Vishakhapatnam
Industry Institute Interactive Session with B.Tech (ECE) Students	28/09/2017	50	HR, Bharat Electronics Limited (BEL)
Technical Lecture on "Career Opportunities and Future Prospects in the Department of Atomic Energy"	27/01/2018	250	Sri M N V Viswanath, Scientist-G, Manager, QA-ZEP(SP), Hyderabad Department of Atomic Energy, GOI
TCS Interactive Session with Selected Students	17/04/2018	180	Tata Consultancy Services
Conducted Short Term Training Program to "Enhance Technical Skills Under TEQIP-III	06/10/2017	500	FOCUS ACADEMY FOR CAREER ENHANCEMENT (FACE), BANGALORE
Technical Sessions on C Programming	24/09/2017	600	JNTUK Kakinada
Conducted "CRT (Campus Recruitment Training)" Classes	27/08/2017	750	1. FOCUS ACADEMY FOR CAREER ENHANCEMENT (FACE), BANGALORE 2. COIGN, HYDERABAD 3. Excel Technologies, Kakinada
No file uploaded.			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2017	Soft skills,	109	249	109	249

Language and communication skills, Awareness of trends in technology

No file uploaded.

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
230	180	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCS	456	293	Nil	Nil	Nil

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	Remote sensing	IST	NIT, Suratkal	PhD
2018	1	School of Avionics	IST	NIT, Tirichy	PhD
2017	1	School of Avionics	IST	JNTUK	PhD
2017	1	Remote sensing	IST	JNTUK	PhD
2018	1	Remote sensing	IST	IIT, Madras	PhD
2018	1	Remote sensing	IST	IIT, Madras	PhD

No file uploaded.

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	45

No file uploaded.

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
----------	-------	------------------------

One day workshop on JNTUK Sports - An Introspection on 24th July 2017	State Level	52
General Body meeting of the Faculty of Physical Education held on 06-09-2017 at JNTUK Kakinada to discuss/finalize the Annual Sports Calendar for the academic year 2017-18.	State Level	230
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Gold	National	1	Nil	Nil	Mr. R. Arun Kumar
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Creamy layer students join in UCEK through various entrance examinations viz., EAMCET, ECT(FDH), GAT, PGE CET etc conducted by state bodies. Students have active representation on academic and administrative bodies and committees of the Institution. The quality and hygiene of the hostel food is monitored by student representatives along with the other nominated faculty members / deputy wardens. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food served. Hostel Administration Students provide strong support in the administration and management of hostel affairs. Each hostel has a team of members, Mess Committee, Cleanliness Committee etc. Class Committee Meetings are held regularly, at least twice in each semester. Students clubs like Literary club, Music club, Creative arts club, Dramatics club, Photography short film shooting club and Classical dance club are involved in this committee. Cultural and Sports Committees Students have strong representations in all cultural and sports and games committees and help in organization and management of events. Majority of the students participate actively in college and sports day celebrations and TechFests.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

This association registered in Kakinada is the headquarters for all chapters of old students of the College from 1946 through now. This is an active association co-located in the College and will provide leadership to all the chapters throughout the world. There are formal or informal chapters in Hyderabad, Chennai, Vijayawada, Visakhapatnam, Bengaluru and USA. The Aim and Objective of the Association is to promote fraternity among the Alumni of

University College of Engineering, Kakinada (UECK) through fostering the Cultural, Technical, Professional and Welfare activities. Objectives: To promote excellence of the mother Institution viz., University College of Engineering, Kakinada, through liaison with the college administration (in helping, to build / augment the Laboratories, institute scholarships), by donating funds, equipment, books etc., to the college or by any other activity which would glorify the Institution or the students. Monetary help is rendered by prominent alumni and with these funds, a multi-utility building has come up and it is housing the Training Placement office, an educational centre Mana TV. Our Alumni are helping the College in many respects. Annual awards for Best Teacher and Best outgoing student have been introduced by two alumni. Many alumni and faculty have instituted gold medals for top students in many branches. The college successfully celebrated its Silver Jubilee in 1971, its Golden Jubilee grandly during 1995 - 1996 and Diamond Jubilee during 2005 - 2006. With the help of funds raised through the contributions from the Alumni, a Golden Jubilee Block (Swarnotsav Bhavan) was constructed during Golden Jubilee Period. The old students of 1979-83 batches constructed a mini auditorium in 2010-11. It was named "1979-83 Alumni Auditorium". A modern Indoor Stadium of worth Rs. 5 crores completed. The Membership: Every year, the UCEK inducts all the outgoing students into ECOSAK. All the alumni of UCEK are members of the Association. The membership in ECOSAK is free and any alumni can register themselves into the Association on the web site. There will be at least 15,000 Alumni of our college spread throughout the world. There may be at least 3,000 alumni living in and around Hyderabad. Annual Meet: Alumni meet on the first Sunday of January every year. All alumni along with their families are invited to the whole day meet.

5.4.2 – No. of registered Alumni:

959

5.4.3 – Alumni contribution during the year (in Rupees) :

1801500

5.4.4 – Meetings/activities organized by Alumni Association :

1. ECOSAK- Annual General Body meeting on 7-1-2018
2. ECOSAK- Executive meeting on 25-04-2018
1. Review of action on fund raising action
2. Induction of PG Students in ECOSAK including with UG students.
3. ECOSAK -Reneal of Registration
4. Alumni Website building
5. issue of Alumni ID Cards
6. Re construction of Alumni office
7. office boy, staff for ECOSAK excessively
8. infrastructure of Alumni hall Building

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

As per UGC Autonomous colleges norms, JNTUK is having Governing body, Academic Council, Finance Committee and Board of Studies etc., . In 2014, JNTUK has revised its Vision and Mission statement

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
---------------	---------

Teaching and Learning	All the Faculty members are provided with required Hardware and Software tools to integrate the e-contents in to teaching-learning practices
Curriculum Development	The University is implementing the Curriculum Revision for every three years by including advanced technologies, industry oriented courses, skill courses, internships, Co-curricular, extra-curricular activities, Indian Constitution, Human values and Ethics, that will result in all round development and personality of the students. To suit the coastal region needs, University already started the Petroleum Engineering, Chemical Engineering and Agricultural Engineering etc 5. The University has established Pipeline Engineering, Nano Technology, Renewable Energy, Avionics and need based interdisciplinary programmes
Examination and Evaluation	Being the Technical University, the entire evaluation process is continuous. The students can submit their applications online for exam fee payments, online for issue of certificates to the University Examination Centre. Also, JNTUK University had become a part of NDML Academic Depository to facilitate issuance, storage and access of academic awards in an online depository system on the pattern of Securities Depository.
Industry Interaction / Collaboration	In order to achieve integrated higher education system, with professional and vocational education, the University has set up an Incubation centre which is providing Internship and training on employability skills by collaborating and networking with industries for promoting industry oriented research in collaboration Wipro ltd, Tetrasoft USA, Toople Singapore and Kakinada smart city project on advanced technologies etc. MHRD sponsored Design Innovation Centre was established to encourage innovative designs, ideas and research. Also in collaboration with APSSDC established Siemens Centres of Excellences (SCE) for providing the training to the unemployed and regular students to enhance the professional skills to suit the industry needs. University is planning to setup more number of incubation and innovation

	centres in interdisciplinary areas and skilling centres to cater to the needs of various industries and to encourage the research.
Research and Development	<p>Majority of faculty achieved Ph.D., and faculty contributed good number of publications. Quantitatively and qualitatively the publications increased during this academic year (in Scopus and reputed Journals). Good number of patents were also filed. 2.</p> <p>In order to achieve integrated higher education system, with professional and vocational education, the University has set up an Incubation centre which is providing Internship and training on employability skills by collaborating and networking with industries for promoting industry oriented research in collaboration Wipro ltd, Tetrasoft USA, Toople Singapore and Kakinada smart city project on advanced technologies etc. MHRD sponsored Design Innovation Centre was established to encourage innovative designs, ideas and research.</p> <p>Also in collaboration with APSSDC established Siemens Centres of Excellences (SCE) for providing the training to the unemployed and regular students to enhance the professional skills to suit the industry needs. University is planning to setup more number of incubation and innovation centres in interdisciplinary areas and skilling centres to cater to the needs of various industries and to encourage the research</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	The Administration communicates with Governing Body members as well as the teaching and non-teaching staff is through eoffice facility of Govt of Andhra Pradesh and email. All important administrative information including notices is regularly published on the website. Biometric devices installed for all staff members. Automated, wireless office with 24x7 internet facility
Finance and Accounts	The accounts of the institution are maintained through the Tally software
Student Admission and Support	For Admission fee payments online transaction interfaces are provided on website

Examination	https://www.jntuk.edu.in/examination/
Planning and Development	The Vision and Mission Statement is uploaded on the institutional website.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	Dr. S. Surekha	International conference on computational Intelligence and Big Data Analytics (CIBDA-2017)	Institute of Bioinformatics and Computational Biology, Visakhapatnam	8000
2017	Dr. P. Aruna Kumari	International conference on computational Intelligence and Big Data Analytics (CIBDA-2017)	Institute of Bioinformatics and Computational Biology, Visakhapatnam	9370

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	Research Tool for Advanced modeling and analysis of Electrical Utilities	Nil	20/11/2017	21/11/2017	70	Nil
2017	Free Open Source Software	Nil	22/09/2017	23/09/2017	150	Nil

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the	Number of teachers	From Date	To date	Duration
--------------	--------------------	-----------	---------	----------

professional development programme	who attended			
Advances in electronics and communication engineering	1	26/08/2017	27/08/2017	2
Contemporary advances in materials and manufacturing engineering(CAMME-2017)	1	30/12/2017	Nil	12
A 2 week FDP on Power Electronics for Renewable Energy systems - present trends and future scope	1	13/11/2017	23/11/2017	10
Electricity market oriented control of renewables based microgrids	1	13/12/2017	15/12/2017	3
Three day International conference on 'Advanced Computing (ICOAC-2017)'	1	14/12/2017	16/12/2017	3
Contemporary advances in materials and manufacturing engineering(CAMME-2017)	1	30/10/2017	10/11/2017	12

[View File](#)

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
84	99	117	107

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
ECK Welfare Funds	ECK Welfare Funds	NIL

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Yes, the university have both internal and external Audit system. All voucher

are internally audited before it is produced to Statutory Auditor. In addition, the university also has pre audit system in all its payment exceeding Rs 1,00,000/-.The accounts of the university are audited by an independent Chartered Accountant Firm. No major audit objections were raised so far while audit

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	NIL
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AICTE	Yes	TEQIP-III
Administrative	Yes	AICTE	Yes	TEQIP-III

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

The University encourages all the constituent colleges and affiliated colleges to apply for UGC autonomous status, NBA accreditation and NAAC accreditation. The colleges prepare a Self-Study Report, request the University to forward the applications to UGC for granting autonomous status. The University suggests the institutions at various levels to meet the standards in respect of UGC autonomy, NBA and NAAC. As a mandatory requirement, the University nominates University nominee into UGC autonomous status committee for thorough evaluation of the facilities. The constituent colleges have Participated in NIRF ranking process.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

NA

6.5.4 – Development programmes for support staff (at least three)

supporting staffs are motivated to take participation in skill development program like PMKVY. Non-teaching staff is promoted to attend workshops. Non-Teaching Staff is encouraged to attend Management Capacitive Enhancement Programmes.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

Establishment of a Design Innovation Centre with Financial Support from MHRD, Government of India establishment of an Incubation center with a built up area of 20,000 Sq.Ft University conducted Massive Open Online Courses(MOOCs) for the academic year 2017-18 -II Semester for Computer Science Engineering, Information Technology, Electronics Communication Engineering, Mechanical Engineering

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
Nil	NIL	Nil	Nil	Nil	Nil
No file uploaded.					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Sensitization Program on Legal Education	30/08/2017	30/08/2017	150	8
Sensitization Program on Legal Education	04/04/2018	04/04/2018	275	12
International Women's Day celebrations - Press for progress	08/03/2018	08/03/2018	350	50

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Solar panels are arranged in some departments to get renewable/alternate energy.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Scribes for examination	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
------	--	--	------	----------	--------------------	------------------	--

	ntages	local community					
Nill	Nill	Nill	Nill	Nill	NIL	NIL	Nill
No file uploaded.							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Professional Ethics and Human Values	27/02/2016	As part of improving Human Values in 2013 and in 2016 the UNIVERSITY has initiated and introduced Professional Ethics and Human Values at UG level B.Tech I year II SEMESTER SUBJECT as a subject in the curriculum for all the constituent and affiliated colleges of JNTUK spread across 8 districts of Andhra Pradesh State

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NIL	Nil	Nil	Nil
No file uploaded.			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy Conservation Use of Renewable Energy Waste Water Management Water Harvesting Efforts for Carbon neutrality Plantation
--

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Conduct of Massive University Examinations Ensuring Confidentiality, Speed and Security among one Lakh students in 260 affiliated engineering colleges of Andhra Pradesh. The following objectives are taken up in examination. Online announcement of Examinations, preparing Time Tables for test schedules, take up registration of Massive students, Verification of eligibility of the student like attendance, Preparation of 4 sets of examination pertaining to each subject with a total of 4000 question Paper preparation, Moderation elimination of mistakes and inconsistent data, Conduct of Online examination adopting Electronic Distribution of Examination Practice, Conduct of examination swapping faculty among Examination centers in each college, Pooling up of the Examination scripts in 30 spot centers swapping the scripts, Coding of the scripts, Arranging Experts for valuation at spot centers with monitoring mechanism like Spot Superintendents, Subject Supervisors, Collection of Internal Marks from affiliated engineering colleges, Mapping coded scripts to student and incorporating moderation and normalization and declaration of results in time. Admissions of foreign students through Memorandum of Understanding (MoU): is one of the best technological universities in India. The University has signed MoUs with international universities to offer twinning and dual degree programmes. The international students are pursuing B.Tech M.S and MBA programmes. The University appointed a Director, University Foreign Relations (DUFR) to guide the foreign students. The University is

implementing the Curriculum Revision for every three years by including advanced technologies, industry oriented courses, skill courses, internships, Co-curricular, extra-curricular activities, Indian Constitution, Human values and Ethics, that will result in all round development and personality of the students.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.jntuk.edu.in/>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

As per the Vision and Mission, the university aims at overall development of the student. As per the AP Knowledge mission the Gap year concept is implemented making the students ready as entrepreneurs. University is taking up various Entrepreneurship development programs to ensure the students to be job providers than job seekers. To explore the entrepreneurship opportunities in the state of Andhra Pradesh, 12 awareness programs were conducted educating around 15000 students of JNTUK in this academic year. The Vision and Mission are communicated by making them visible in the departments, colleges, library and the web sites of the University. Vision and mission, Teaching and learning, Research and development, Community engagement, Human resource planning and development, Industry interaction, Internationalization.

Provide the weblink of the institution

<https://www.jntucek.ac.in/vision-mission>

8.Future Plans of Actions for Next Academic Year

1.To start new PG programme in collaboration with is an industry driven state-of-the-art training institute of excellence in various fields such as VLSI and Embedded systems and with Andhra Pradesh State Council of Higher Education (APSCHE) Industry Consortium. 2.To provide Internship and training on employability skills for all the students of the University by collaborating and networking with industries for promoting industry oriented research in collaboration. 3.To get sanction of more research funded projects various national and international funding agencies. 4.To improve the quality of research, quality publications and patents.