Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA**
Name of the head of the Institution	**Prof. M.Ramalinga Raju**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08842300900**
Mobile no.	**9676183355**
Registered Email	**registrar@jntuk.edu.in**
Alternate Email	**vc@jntuk.edu.in**
Address	**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA 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. N. Balaji**
Phone no/Alternate Phone no.	**09502441555**
Mobile no.	**9848115663**
Registered Email	**diqacjntuk@gmail.com**
Alternate Email	**prof.balaji.ece@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**http://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/2019/09/M.TECH-M.PHARMCY-I-YEAR-2019.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	**B+**	**2.67**	**2017**	**02-May-2017**	**01-May-2022**

6. Date of Establishment of IQAC	**02-Aug-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
University has Instructed all the Principals of all affiliated colleges and Constituent colleges of JNTUK to fill and upload the Data Capture Form-(DCF-II) and Teacher Information Form (TIF) of All India Survey on Higher Education (AISHE)	13-Feb-2020 30	241
Two Week AICTE Sponsored Faculty Development Programme on Recent Advances in High Voltage Engineering and its Applications (RAHVE)	30-Dec-2019 14	30
Workshop on Quality Enhancement Assessment and Accreditation of Engineering Colleges	06-Nov-2019 1	120
JNTUK in association with Andhra Pradesh State Skill Development Corporation conducted four weeks internship Program for imparting industry-oriented job skills to the Mechanical, Electrical , Instrumentation and Electronics Engineering students	14-Oct-2019 28	152
AICTE Training and Learning (ATAL) -A five-day Faculty Development Programme on Blockchain	14-Oct-2019 5	38
A two-day Workshop on Engineering Exploration Projects	10-Oct-2019 2	63
One Day Workshop on Women Safety in Cyber Space	11-Sep-2019 1	600
Two-day 2nd National Conference on Recent Advances in Geo-Sciences, Engineering & Technology (NCRAGE-2019)	06-Sep-2019 2	52
A Two-Week Faculty Development Programme on Noise, Acoustics, Vibration Control and Measurement in various Engineering Applications	04-Jun-2019 14	61

	25-May-2019 14	80
A Two-Week Summer Faculty Development Programme on Important Engineering Subjects(Phase-II)		

| [View File](#) | | |

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
Jawaharlal Nehru Technological University Kakinada	RUSA	Governmentof India &State Government of AP	2019 1461	200000000
[View File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	4
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 the funding agency to support its activities during the year?	No

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

• NBA Accreditation for 5 UG programmes of UCEK, JNTUK • IQAC of JNTUK has collected the IQAC reports of all the Constituent and Affiliated colleges (a total of 241 Colleges) and forwarded to the Andhra Pradesh State Council of Higher Education for getting State and National Government funding. • IQAC has conducted and consolidated all the deliberations on National Education Policy 2020 with all the stakeholders of your university and furnished the actionable points to the Department of Higher Education, Government of Andhra Pradesh. • All

the Faculty members are provided with required Hardware and Software tools to integrate the econtents in to teaching learning practices. • University already integrated Technology based education platforms, such as DIKSHA/SWAYAM/NPTEL in the curriculum

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
Encourage the faculty members to improve Research activities	As a result the number of Research Proposals/Projects and Consultancies has been remarkably increased
To provide more exposure to Faculty members on latest technologies	Conducted various workshops and guest lectures on cutting edge technologies
To improve the quality of research and quality publications	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.
To get sanction of more AICTE and DST funded project	Improved the number of AICTE / DST Projects, and also obtained one collaborative international project
To improve the Industrial Consultancy Services (ICS) of the institute	Industrial Consultancy Services (ICS) revenue of around Rs. 100 Lakhs achieved during this financial year
To submit University data for AISHE	Submitted University data for AISHE on 27-02-2020
More activities in incubation and IPR activities to develop start up eco system will be done by the incubation and IPR directorate.	The incubation and IPR directorate has made an MoU with the Andhra Pradesh State Government Police Department for generic problems such as traffic management and other societal needs
The Alumni association named Engineering College Old Students Association Kakinada (ECOSAK) is planning to register more than 596 Alumni and get them involved for contribution in the academic and infrastructural development of university.	Contribution made by Alumni in 2019-20 The alumni have donated an amount of Rs.14,00,000/- during the year 2019-20 for various infrastructural development activities.
All the departments will send proposals to state govt. MHRD, RUSA and other funding agencies to get funding for up gradation of information and Lab facilities.	RUSA has provided funds for purchase of equipment and upgradation of infrastructure
To organize workshops for preparing and encouraging affiliated colleges for	A workshop on Quality Enhancement Assessment and Accreditation of

NAAC accreditation.	Engineering Colleges was organized for Principals/Nodal Officers of all constituent and affiliated colleges of JNTUK for NAAC awareness on 11th Nov. 2019
[View File](#)	

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	2020
Date of Submission	27-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton 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
BTech	1A01	Civil Engineering	15/02/2020
BTech	1A02	Electrical and Electronics	15/02/2020

BTech	1A03	Mechanical Engineering	15/02/2020
BTech	1A04	Electronics and Communication Engineering	15/02/2020
BTech	1A05	Computer Science and Engineering	15/02/2020
Mtech	1D14	Instrumentation and Control Engineering	03/08/2019
Mtech	1D36	Computer and Communication	03/08/2019
Mtech	1D68	VLSI and Embedded System	03/08/2019
Mtech	1D80	Communication and Signal Processing	03/08/2019
Mtech	1D21	Thermal Engineering	03/08/2019
[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	Civil Engineering	Nill	1A	Nill
[View File](#)				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Chemical Engineering	Nill
BPharm	Bachelor of Pharmacy	Nill
[View File](#)		

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	Petrochemical Engineering	01/06/2019
BTech	Chemical Engineering	01/06/2019
Mtech	Petroleum Engineering	01/06/2019

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

Environment science	28/06/2019	67
Constitution of India	28/06/2019	67
Essence of Indian Traditional knowledge	28/06/2019	67
Employability Skills	28/06/2019	67
Professional ethics human values	28/06/2019	67
Employability skills	28/06/2019	67
Environmental Science	28/06/2019	67
Intellectual property rights patents	03/08/2019	Nill
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	Computer Science and Engineering	51
BTech	Electrical and Electronics Engineering	44
BTech	Mechanical Engineering	47
Mtech	Avionocs	3
Mtech	Remote Sencing	5
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
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
• UCEK 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/submitting 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

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
BTech	Civil Engineering	55	55	55

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
2019	435	443	20	7	166

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	Numberof smart classrooms	E-resources and techniques used
184	184	5	44	7	4

No file uploaded.
No file uploaded.

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

Yes it's available. Recently UCEK has enhanced the Training Placement Cell into Career Guidance Placement cell with departmental coordinators. 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 counseling 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 counseling, the following are a few measures which JNTUK-UNIVERSITY COLLEGE OF ENGINEERING adopts to encourage and guide the students: Pre-admission counseling, 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

4831	281	1:17

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
178	123	55	Nill	102

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
2019	Dr. MHM Krishna Prasad	Professor	Best Teacher Award from Government of Andhra Pradesh
2020	Dr. D. Linga Raju	Assistant Professor	ANDHRA PRADESH STATE SCIENTIST AWARD
2019	Dr. Ramesh Malothu	Associate Professor	Best Teacher Award from Government of Andhra Pradesh
View File			

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
MCA	1F	II	30/11/2020	01/03/2021
Mtech	1D	I-II	23/01/2021	17/04/2021
BTech	1A	I-II	26/09/2020	19/10/2020
BTech	IA	I-II	15/11/2020	18/03/2021
BTech	1A	I-II	20/12/2020	19/03/2020
BTech	IA	I-II	17/11/2020	17/04/2021
MCA	1F	IV	06/11/2020	20/03/2021
MCA	1F	V	18/10/2019	16/12/2019
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
Nill	Nill	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/

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
1D	Mtech	INFORMATION TECHNOLOGY	17	17	100
1D	Mtech	COMMUNICATION ENGINEERING AND SIGNAL PROCESSING	19	19	100
1A	BTech	PETROCHEMICAL ENGINEERING	47	46	97.87
1A	BTech	COMPUTER SCIENCE & ENGINEERING	62	59	95.16
1A	BTech	ELECTRICAL & ELECTRONICS ENGINEERING	54	54	100
1A	BTech	Civil Engineering	51	51	100
1A	BTech	MECHANICAL ENGINEERING	54	54	100
1A	BTech	ELECTRONICS & COMMUNICATION ENGINEERING	52	49	94.23
1A	BTech	PETROLEUM ENGINEERING	52	52	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://sites.google.com/a/jntucek.ac.in/jntucek_vice-principal/links-for-feedback-forms

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. JVR Murthy	Inernational Training Study Networking Tour for MS Program	Nill	Indo-U.S. 21st Century Knowledge Initiative
National	Dr. S. Siva.Nagaraju	Andhra Pradesh Scientist Award	Nill	Andhra Pradesh State Council of Science Technology (APCOST)
View File				

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
JRF	1095	Naval research Board
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	1095	AICTE-RPS	12	12
Major Projects	1095	AICTE-RPS	21.18	21.18
View File				

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
Research Methodology and IPR	Research and Development Directorate	01/05/2019
Research Methodology and IPR	Research and Development Directorate	15/11/2019
Research Methodology and IPR	Research and Development Directorate	22/11/2019
Research Methodology and IPR	Research and Development Directorate	29/11/2019
View File		

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
Development of double valve ram pump	Dr.Lingaraju Dumpala	A.P State Scientist Award	Nill	Teacher and Research

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
NA	NIL	NIL	NIL	NIL	Nill

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
Electrical and Electronics Engineering	24
Computer Science Engineering	3
Mechanical Engineering	17
Civil Engineering	2
Electronics and Communication Engineering	2

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	26	0
International	Mechanical Engineering	29	0
International	Electronics and Communication Engineering	49	0
International	Civil Engineering	19	0
International	Electrical and Electronics Engineering	31	0

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
Electrical and Electronics Engineering	18
Computer Science Engineering	10
Mechanical Engineering	9
Civil Engineering	4
Electronics and Communication Engineering	6

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Vibratory assisted welding system	Published	201641029625	Nill
Adaptable Biomass Cooking Stove with Movable Combustion Chambers	Published	201941049770	Nill
Polymer based piezoresistive micro-rectangular beam sensor with enhanced deflection sensitivity	Filed	201841030264	Nill
A Method of Coating Silicon Carbide on Graphene Nanoplatelets	Published	201941052203	Nill
System and method for Nano layer coating with parent material by using a consumable tool for friction stir coatings	Filed	N-0000232060	Nill
Assembly for a food processing machine	Filed	N-0000264338	Nill
Welding apparatus with Ecentric motion of welding torch	Filed	N-0000312902	Nill
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
Poised Scheduling of Flash Crowd Cellular Traffic in LTE and LTE-A for Optimal Load Balancing	Shaik Riyazuddien, Dhulipalla Venkata Rao, Madhu Ramarakula	International Journal of Advanced Science and Technology	2020	0	JNTUK Kakinada	Nill
Enhancing	Sanapala Umamaheshw	International	2020	0	JNTUK Kakinada	1

the spectral efficiency and energy efficiency of underwater channel communication by optimal cooperative spectrum sensing using hybrid optimization	ararao, Muvvala Naga Venkata Siva Santosh Kumar, Madhu Ramarakula	Journal of Communication Systems					
Design of Low frequency suitable fractional order Differintegrators	K Rajasekhar	International Journal of Recent Technology and Engineering	2019	0	JNTUK	Nill
Synthesis of multi-positions 3-prismatic-revolute-spherical manipulator	Srinivasa Rao Pundru, Mohan Rao Nalluri	SN Applied Sciences, A Springer Nature Journal	Nill	0	Department of Mechanical Engineering, JNTUK, Kakinada, Andhra Pradesh 533 003, India	Nill
Effect of recycled rubber powder on mechanical and	Suneetha Inuganti, Dr Kadiyala Ravi, Dr N Mohan rao	International Journal of Engineering Development and Research (IJEDR), ISSN:2321-9939	2019	0	JNTUK , Kakinada	Nill
Analysis and Prediction of Performance of MR Damper at Different Currents and Control	D.V.A. Rama Sastry, c, K.V.Ramana and N. Mohan Rao	International Journal of Vehicle Structures Systems	2019	0	Dept. of Mech. Engg., University College of Engg., JNTUK University, Kakinada, Andhra	Nill

Strategies for Quarter Suspension System of a Roadway Vehicle					Pradesh, India	
Synthesis of 3-PRS Manipulator Using	Suneetha Inuganti, Dr Kadiyala Ravi, Dr N Mohan rao	Journal of The Institution of Engineers (India):Series C	2019	0	Professor, Jawaharlal Nehru Technological University, Kakinada	Nill
Experimental and analytical evaluation of strength and vibration parameters of hybrid monocomposite	Suneetha Inuganti, Dr Kadiyala Ravi, Dr N Mohan rao	International journal of Mechanical and Production Engineering Research and Development	2019	0	Professor, Jawaharlal Nehru Technological University, Kakinada	Nill
Load balancing by diversified quality factors- based handoff (DQFH) in wireless cellular networks	Shaik Riyazuddien, Dhulipalla Venkata Rao, Madhu Ramarakula	International Journal of Communication Systems	2020	0	JNTUK Kakinada	Nill
Optimal Load Balancing by Adaptive Data Transmission through Time Vary Scheduling in Wireless Cellular Networks	Shaik Riyazuddien, Dhulipalla Venkata Rao, Madhu Ramarakula	TEST Engineering and management	2020	0	JNTUK Kakinada	Nill
			[View File](#)			

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

Title of the	Name of	Title of journal	Year of	h-index	Number of	Institutional

Paper	Author		publication		citations excluding self citation	affiliation as mentioned in the publication
Design of Low frequency suitable fractional order Diff erintegrat ors	K Rajasekhar	Internat ional Journal of Recent Technology and Engine ering	2019	Nill	Nill	JNTUK

View File

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

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	179	124	1	2
Presented papers	114	89	12	8
Resource persons	Nill	2	Nill	Nill

No file uploaded.

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	Construction of S.L. Bridge @ Km 56.920 on Samalkota canal with navigation standards near Ganganapalli (V) Limits.	Technip india ltd odalarevu K.V.V.Satyanarayana Redy Visakapatnam EE Municipal Corportation Kakinada Anil Powers industries pratipadu S.V. Rajendra Prasad PIPLMC Jagampeta	6312483
CIVIL ENGINEERING	Bridge Electrical sub station and Admin Building in connection with Development of MMLP at Kakinada.	T. Anjaneyulu APIRDA Vijayawada Technical officer Kakinada Sudhakara infratech pvt ltd Balaji Builders mandapeta V. Joseph victor karakuduru YS Haranadha rao pedapuram V. Joseph victor karakuduru Mideast Pipeline products	6312483

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
Dept. Of EEE	Testing Of Meters	VARIOUS AGENCIES	20000	Nill
Dept. Of EEE	Testing Of Various Hot Line Sticks	APGENCO	100000	Nill
Dept. Of ME	Friction Stir Welding And Frictionstir Processing Charges	RESEARCH SCHOLARS	32000	Nill
Dept. Of ME	Metallurgy Lab Consultancy	RESEARCH SCHOLARS	5000	Nill
View File				

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
Swatcha bharath	NCC	4	30
Candle Rally	NSS	20	150
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
Research	Andhra Pradesh Scientist Award	Andhra Pradesh State Council of Science Technology (APCOST)	Nill
Research	Andhra Pradesh Scientist Award	Andhra Pradesh State Council of Science Technology (APCOST)	Nill
View File			

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 activites	Number of students participated in such activites
Swatcha bharath	JNTUK	Swatcha bharath	2	30
NSS	District Police Office	Candle Rally	5	150

	Kakinada			

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
Faculty Development Programme on "Ground Improvement Techniques" at CET, B during 29-31st August 2019	faculty of CETB	TEQIP-III	3
Faculty Development Programme Advances in Electromechanical Systems at CETB, during 29-31st August 2019	faculty of CETB	TEQIP-III	3
Two Research Oriented Expert Lectures (CSE/IT) at CETB during 29-30th August 2019	faculty of CETB	TEQIP-III	3

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
Contributed to write the book Python with Machine Learning by S Chand Publications	Book Publication	Dr T Murali Mohan Associate Professor Mr K Karunakar Assistant Professor, Swarnandhra Institute of Engineering Technology, Narsapur, West Godavari District	Nill	Nill	Dr A Krishna Mohan, Professor of CSE, UCEK(A), JNTUK, Kakinada
Workshop cum FDP	Workshop cum FDP on	CET, Bhubaneswar	07/02/2020	10/02/2020	Dr MHM Krishna

	Data Analytics using Hadoop and Spark				Prasad, Professor of CSE, UCEK(A), JNTUK, Kakinada
Workshop cum FDP	Workshop cum FDP on Data Security	CET, Bhubaneswar	16/10/2019	19/10/2019	Dr MHM Krishna Prasad, Professor of CSE, UCEK(A), JNTUK, Kakinada
Workshop cum FDP	Workshop cum FDP on Internet of Things	CET, Bhubaneswar	19/04/2019	21/04/2019	Dr MHM Krishna Prasad, Professor of CSE, UCEK(A), JNTUK, Kakinada
To Promote Industry Oreinted Research Activites in Insuracne Sector realted to Big Data and Block Chain	Partnership 2020: U.S.-India Cooperation in Higher Education to Harness Economic Oppurtunities and Innovation	College of Engineering University of Missouri , Columbia, U.S./ Dr Prasad Clayam, Associate Professor of Electrical Computer Science Mobile: 16142705254	Nill	Nill	Dr J V R Murthy, Professor of CSE, UCEK(A), JNTUK, Kakinada
To Encourage the enhusiaism in researchers, acadmecians and students for delvering key note addresses by experts, paper presentations and sharing their ideas with each other on a	International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN 2020)	Dr Maode Ma, School of Electrical Electronics Engineering, Nanyang Technological University, Singapore Dr Ho Chuing Ching Dr Ting Choo Yee, Faculty of Computing Informatics, Multimedia University, Malaysia Dr	Nill	Nill	Dr Ch Satyanarayna, Professor of CSE, UCEK(A), JNTUK, Kakinada

common platfrom		Sonmuk Phon-Amnuaisuk, School of			
Start up	Startup Programmee on Innovation and Design Thinking (WIDTH-2020)	CET, Bhubaneswar	19/12/2019	21/12/2019	Dr L Sumalatha, Professor of CSE, UCEK(A), JNTUK, Kakinada
To Encourage the enhusiaism in researchers, acadmecians and students for delvering key note addresses by experts, paper presentations and sharing their ideas with each other on a common platfrom	International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks (CHSN 2020)	Dr Maode Ma, School of Electrical Electronics Engineering, Nanyang Technological University, Singapore Dr Ho Chuing Ching Dr Ting Choo Yee, Faculty of Computing Informatics, Multimedia University, Malaysia Dr Sonmuk Phon-Amnuaisuk, School of	Nill	Nill	Dr D Haritha, Professor of CSE, UCEK(A), JNTUK, Kakinada
Start up	Startup Programmee on Innovation and Design Thinking (WIDTH-2020)	CET, Bhubaneswar	19/12/2019	21/12/2019	Smt E Suneetha, Assistant Professor of CSE, UCEK(A), JNTUK, Kakinada
No file uploaded.					

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
CISCO	Nill	TRAINING PROGRAMS AND INTERNSHIPS	74
Amazon Web Services(AWS) Academy	Nill	TRAINING PROGRAMS	66
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
1010	1009.24

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Nill
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
[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 patially)	Version	Year of automation
Bees Library Software	Partially	NA	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e-Books	1181	2896279	Nill	Nill	1181	2896279
Text Books	50497	Nill	Nill	Nill	50497	Nill
Reference Books	67	196732	Nill	Nill	67	196732
e-Journals	1475	2998729	Nill	Nill	1475	2998729
Others(specify)	1	13570	Nill	Nill	1	13570
Library Automation	1	Nill	Nill	Nill	1	Nill
Journals	Nill	535750	Nill	Nill	Nill	535750
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
Dr. P.Vinay Kumar	Digital Signal Processing	YouTube	25/12/2019
Dr. P.Vinay Kumar	Random Variables Stochastic Processes	YouTube	01/09/2019
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	237	5	3	0	0	0	3	100	0
Added	30	0	1	0	0	0	1	50	0
Total	267	5	4	0	0	0	4	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
Handicam, Tripod, TV, Still Camera, Scanner, Internet, Wi-Fi etc., Aview, webex	Nill
Handicam, Tripod, TV, Still Camera, Scanner, Internet, Wi-Fi etc., Aview, webex	Nill

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 incurredon maintenance of physical facilites
9600000	9576654	23800000	23742751

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)

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 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, their refreshment and other requirements

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	NIL	0	0
Financial Support from Other Sources			
a) National	Jnanabhumi	1213	11344000
b)International	AICTE	181	20199600

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 implemetation	Number of students enrolled	Agencies involved
Conducted 2 Week Workshop on "Skill Enhancement Programme" on Enterprise Mobility Management and Cloud Computing, Block chain Technologies, AI inference using OPENVINO, Agile Met hodologies(SCRUM), Robotic Process Automation and Big Data	27/12/2019	100	Tata Consultancy Services, WIPRO and FACE
Conducted "Personality Development, Time Management and Stress Management" for First Year B.Tech Students	06/10/2019	350	Akshaya Paatra Foundation, Vishakhapatnam
Conducted "TCS CST (Company Specific Training)" Classes Under TEQIP-III	01/07/2019	500	FOCUS ACADEMY FOR CAREER ENHANCEMET (FACE), BANGALORE
Campus Recruitment Training Classes	14/08/2019	90	UCEK-JNTUK

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 passedin the comp. exam	Number of studentsp placed
2019	GATE Coaching	74	Nill	Nill	22

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		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TATA CONSULTANCY SERVICES	325	113	INFOSYS	91	17

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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	Remote Sensing	IST	IIT CHENNAI	PhD

View File

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	22

View File

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

Activity	Level	Number of Participants
Tennis	National-Interuniversity	1
Ball Badminton	National-Interuniversity	3
Kho-Kho	National-Interuniversity	2
Kabaddi	National-Interuniversity	2

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
2019	Silver Medal	National	1	Nill	17021A0504	D. Rakesh Varma
2019	Silver	National	1	Nill		E.

| | Medal | | | | 16021A2643 | Dinakar Babu |

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, PGECET 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 Tech Fests

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 –EC members meeting on 27-07-2019. 1. Planning to conduct platinum Jubilee Celebrations 2. To follow up General body resolutions 3. to nominate NRI Aluminous to contact people @ USA 4.ECOSAK Society Registration. 5.any other item will be permission of the chair. 2. ECOSAK –EC members meeting on 30.11.2019. 1. Annual Alumni meet on 5-1-2020 2. Planning for Platinum Jubilee Celebrations 3. Any other item will be permission of the chair. 3. ECOSAK –EC members meeting on 26.12.2019. 1. interaction with Er.V.V.R.Sastry, CMD (Rtd.,), Bharat Electrical Limited. 2. Annual Alumni meet on 5-1-2020 3. Planning for Platinum Jubilee Celebrations. 4. Any other item will be permission of the chair. Hon'ble Vice-Chancellor with grace the occasion. 4. ECOSAK- Annual General Body meeting and Family get-together on 05.01.2020

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)

The University promotes a culture of participative management. The faculty members are made part of the decision-making process along with student representatives/ Alumni. The Executive Council represented by the Vice Chancellor, Rector, and the following members are nominated by the State Government i) Secretary to Government, Higher Education Department, Andhra Pradesh State, ii) Commissioner of Technical Education, Department of Technical Education Government of Andhra Pradesh, iii) Principal Finance Secretary (PFS) Government Andhra Pradesh iv) Chairman, Andhra Pradesh State Council of Higher Education, v) Principal of the University colleges vii) A Professor of the University colleges, viii) Principal of the University colleges, ix) Principal of the affiliated colleges, x) faculty member from the faculty of the University colleges, xi) Faculty member from the faculty of the affiliated colleges if any, eminent personalities representing industry, research and development, Engineering and Technology. The Vice-Chancellor shall be the Chairman of the Council and Registrar shall act as the Secretary to the Council. Advisory Bodies The Executive Council is assisted by Academic Senate, Planning and Monitoring Board, Finance Committee and Selection Committee. The Academic Senate advises the Executive Council on matters relating to the Faculty, Curriculum and evaluation methods. Academic Senate: The Academic Senate shall have powers of approving all courses of study proposed by the Boards of Studies and of determining their curriculum and have general control of teaching, research and examinations within the University and shall be responsible for the maintenance of standards thereof by all the constituent and affiliated colleges. Boards of Studies: Different faculties have Board of Studies headed by a Chairperson and Members drawn from academics, industry and alumni. The Director, Academic and Planning is the convener for all the Boards of Studies of the University. All the decisions of the Boards of Studies will be placed before the Academic Senate for its approval. Planning and Monitoring Board The Planning and Monitoring Board shall be the principal planning and

reviewing body and it shall also arrange for periodical monitoring of the developmental programmes and teaching and research in the University. Selection Committee: All faculty positions are filled on the recommendations of a duly constituted Selection Committee as per Statutes. The Finance Committee advises on all matters relating to the finances and budget of the University. Building Committee: Building Committee: All the construction activities of the University and constituent colleges will be approved by the building committee after according approval from University Executive Council. Also an exclusive directorate called Green Campus Initiatives was established which has accomplished the following works 01. "High Density Plantation" in 0.6 acre area near Central Library on 10 Januray 2020. 2020 plants were planted after thoroughly changing the soil. The cost of the project is about Rs. 5 lakh which was completely taken up by Kakinada Sea Ports, free of cost under CSER (Corporate Social Environmental Responsibility funds) including maintenance for 3 years. 02. "Open Class Room" of Gurukul Model was made on 20th January 2020. It is first of kind "Green Classroom" in India.

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
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.
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.
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
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
Research and Development	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. 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
Admission of Students	Nill

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

E-governace area	Details
Planning and Development	The Vision and Mission Statement is uploaded on the institutional website.
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 faciliy
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/

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
2020	Dr. P. Vinay Kumar	3-Day Workshop on "Examination Reforms" at KLE Institute of Technology, Hubli, during 20th Jan 2020 to 22nd Jan 2020	NIL	24163
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	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

	teaching staff	non-teaching staff					
2019	1 day Workshop on Quality enhancement, Assessment and Accreditation of Engineering colleges	Nill	11/11/2019	11/11/2019		120	Nill
2019	3 day FDP on Advances in Electro mechanical Systems	Nill	29/08/2019	31/08/2019		90	Nill
2020	FPGA Con trollers for Power Electronic Applicatio ns	Nill	Nill	Nill		50	Nill
2019	Two Weeks Faculty De velopment Programme (Summer Courses to assist faculty in constituen t/Affliate d Engineer ing colleges)	Nill	02/05/2019	14/05/2019		50	Nill

[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 professional development programme	Number of teachers who attended	From Date	To date	Duration
Quality Enhancement, Assessment and Accreditation of Engineering colleges	1	11/11/2019	Nill	1
Outcome Based Education	1	31/10/2019	02/11/2019	3

Advancements in manufacturing and welding	1	17/06/2019	22/06/2019	6
National Level Online Faculty Development Program on ARTIFICIAL INTELLIGENCE	1	22/05/2020	26/05/2020	5
ATAL online FDP on digital marketing at GVP college for degree and PG courses	1	10/10/2020	14/10/2020	5
Remote Sensing Applications in Forest, Environment and Climate change	1	19/08/2019	23/08/2019	5
Research Challenges and Opportunities" Post COVID-19 (RECOP 2020)"	1	04/05/2020	09/05/2020	6
Advanced Finite Element Methods and its Engineering Applications-Hands on Sessions	1	09/03/2020	14/03/2020	5
Block Chain	1	14/10/2019	18/10/2019	5
Massive MIMO Cooperative Communication and Cognitive Radio for 5G	1	06/01/2020	11/01/2020	6
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
121	281	115	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. JNTUK University College of Engineering Kakinada has achieved NIRF rank of 103 in 2019 and NIRF rank of 97 in 2020.

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)

Up-gradation of faculty knowledge to suit industry needs by incorporating emerging technologies like AI,ML, Data Sciences, Internet of Things, etc. Revision of Curriculum for B.Tech and M.Tech programs as per AICTE model curriculum from academic year 2019-2020. 2. 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.

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
2019	Workshop on "Quality Enhancement Assessment and Accreditation of Engineering Colleges"	06/11/2019	06/11/2019	06/11/2019	120
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
Women Safety in Cyber Space	11/09/2019	11/09/2019	500	100
189th Birthday Celebrations of SavitriBaiPhule	03/01/2020	03/01/2020	200	6
National Girl Child day celebrations -2020	24/01/2020	24/01/2020	250	15
International Women's Day celebrations -2020 Each for Equal	08/03/2020	08/03/2020	350	20

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

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	5
Ramp/Rails	Yes	5
Scribes for examination	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	24/10/2019	30	One Student One Tree	Environment protection from Harmful gases	175
2019	1	1	11/09/2019	45	Plastic Waste Free Campaign	protecting environment from waste plastic	173
2019	1	1	29/07/2019	1	. Water Conservation and Rain Water harvesting. 2. Renovation of traditional and other water bodies/tanks. 3. Reuse, bore well recharge structures. 4. Watershed Development. 5. Intensive afforestation.	demonstrative measures of water conservation	169

| 2019 | 1 | 1 | 17/06/2019 | 1 | JNTUK met WITH ITC WOW TEAM TO DISCUSS ITCs Well-being Out of Waste (WOW) initiative promotes awareness about the importance of source segregation and recycling, and establishes systems to ensure effective practice. | solid waste management and claenliness in the entire University | 150 |

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	09/08/2019	As part of improving Human Values in 2013 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 Stae

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
international Yoga Day celebration	21/06/2019	21/06/2019	100
Rashtriya Ekta Diwas- Run for Unity	31/10/2019	31/10/2019	100
5 day online workshop is being organised by JNTUK	25/04/2020	29/04/2020	250

in association with AICTE on the topic "Incorporation of Universal Human Values in Technical Education" exclusively for the Principals, Vice Principals and Colleges Coordinators of the Constituent /Af			
No file uploaded.			

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

An exclusive directorate named "Green Campus Initiatives" was established in 2019. The following are the initiatives 1. Rain Water Harvesting
2. Open Class Room
3. High dense plantation (Miyawaki) on Experimental Basis
4. Green Building Concepts for further Buildings to be constructed at one of the Constituent colleges of the University, JNTUK University College of Engineering Narasaraopet
5. Educating all the stakeholders by Conducting Conferences and awareness programmes on environmental Issues.

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. 2) Admissions of foreign students through Memorandum of Understanding (MoU): The JNTUK 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 students are admitted through single window system. 3) To make the students industry ready and provide them maximum exposure the University has entered into several MoUs with industries for internships, training, research and development. The University has established an exclusive directorate for Incubation and IPR which is working towards this goal by establishing a digital center of excellence in collaboration with Wipro Ltd., Tetrasoft USA , TOOOPLE Singapore, Missouri state university and Chicago state university of USA. 1. 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

After the successful completion of TEQIP-II in June 2017, Based on the performance in the second phase, JNTU College of Engineering Kakinada is one of the Institute (out of 250) in the country selected to receive grants from Government of India, under Subcomponent 1.3, as per letter to the institute from the NPIU (No. AC/TEQIP-III/MHRD/2017, dt 30.06.2017), SPFU DTE, Andhra Pradesh (Memo No.129, dated 03.08.2017. This institute will act as the mentor institute for the focus state institution (CET, Bhubaneswar) under sub-component 1.1. An MOU to this effect need to be signed between The State of Andhra Pradesh and JNTU CEK in the month of July 2017. The implementation of the project is done through State Project Facilitating Unit (SPFU) of the Govt. Of Andhra Pradesh and monitored by the National Project Implementation Unit (NPIU). The Funding is to the tune of Rs. 2.0 to 7.0 crores to meet the following objectives. Under Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs DELIVERABLES: The institutions participating under this Sub-component will be responsible for the following set of deliverables: a. Increase in the average score of students participating in tests designed to measure technical and critical thinking skills b. Increase in percentage points of NBA accredited Undergraduate programs and Post-graduate programs c. Increase in Transition rate of undergraduate engineering students from the first year to second year d. Percentage of students from traditionally disadvantaged groups in total enrollment in participating institutions o SC/ST o Women e. Direct project beneficiaries o Total number o Female beneficiaries f. Increase in percentage of PhD students in total enrolment in engineering disciplines g. Percentage of sanctioned faculty positions in participating institutions filled by regular or contract faculty, contracted as per AICTE norms h. Number of Faculty Trained in either their subject domain, pedagogy or management i. Percentage of externally funded research and development projects and consultancies in total revenue j. Student, Staff and Faculty Satisfaction Survey k. Improved employer satisfaction with engineers recruited in the past year l. Board of Governors or Institution/ Department Management Committee meets at least 4 times every calendar and publicly discloses the minutes of all meetings To suit the coastal region needs, University already started the Petroleum Engineering, Chemical Engineering and Agricultural Engineering etc. 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. 8. JNTUK had MOUs with foreign universities like BTH Sweden, AIT Bangkok, CMU USA offering dual degree programmes with Faculty and student exchange.

Provide the weblink of the institution
https://www.jntuk.edu.in/

8.Future Plans of Actions for Next Academic Year

The University encourages all the constituent colleges/Academic Units to apply for NBA Accreditation/Renewal and encouraged University College of Engineering Vizianagaram to apply for NBA University is planning to start new UG and PG programmes in the emerging areas such as ML, AI, Data Science, Block Chain Technologies, IoT etc. from AY 2020-21 and also planning to start UG programme in Food Engineering to suit the food processing industry requirement. The University already implemented the Choice Based Credit System (CBCS) and planning to revise with more flexible and student centric with Syllabus Revised Regulation 2020(R20). In line with NEP, the University is planning to make internship mandatory to all the students in the curriculum to meet the global challenges. University is planning to setup a greater 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. To encourage more innovative designs, ideas and research through MHRD sponsored Design Innovation Centre which was established earlier. To encourage students and Faculty to effectively utilize the integrated Technology-based education platforms, such as DIKSHA/SWAYAM/NPTEL in the curriculum.