



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY
Name of the head of the Institution	Dr. B. Arundhati
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08912755222
Mobile no.	9866399921
Registered Email	vignaniit@yahoo.com
Alternate Email	vignaniitvizag1@gmail.com
Address	Beside VSEZ, Near Duvvada Railway station
City/Town	Visakhapatnam
State/UT	Andhra Pradesh
Pincode	530049

2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)			08-Mar-2017																						
Type of Institution			Co-education																						
Location			Urban																						
Financial Status			private																						
Name of the IQAC co-ordinator/Director			Dr. Challa Narasimham																						
Phone no/Alternate Phone no.			08912755222																						
Mobile no.			9550769372																						
Registered Email			vignaniit@yahoo.com																						
Alternate Email			vignandata@gmail.com																						
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)			https://vignaniit.edu.in/AQAR%2017-18.pdf																						
4. Whether Academic Calendar prepared during the year			Yes																						
if yes,whether it is uploaded in the institutional website: Weblink :			https://vignaniit.edu.in/academiccalnde r																						
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.54</td> <td>2012</td> <td>10-Mar-2012</td> <td>09-Mar-2017</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.41</td> <td>2017</td> <td>19-Jul-2017</td> <td>31-Dec-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.54	2012	10-Mar-2012	09-Mar-2017	2	A	3.41	2017	19-Jul-2017	31-Dec-2022
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				Period From	Period To																				
1	B	2.54	2012	10-Mar-2012	09-Mar-2017																				
2	A	3.41	2017	19-Jul-2017	31-Dec-2022																				
6. Date of Establishment of IQAC			11-Jun-2012																						
7. Internal Quality Assurance System																									
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td colspan="3"> </td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries														
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IQAC				
No Data Entered/Not Applicable!!!				
<pre>L::asset('/','public').'/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'.\$instdata->upload_special_status)}} </pre>				
View Uploaded 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
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:		Yes		
Upload latest notification of formation of IQAC		View Link		
10. Number of IQAC meetings held during the year :		2		
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website		Yes		
Upload the minutes of meeting and action taken report		View Uploaded File		
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)				
1. In order to reduce the gap between industry and Academia the institute has encouraged the students to acquire the skill in their core areas through APPSSDC, DASSAULT Systems, CM's skill centre, CFI and Internships.				
3. Reviews and follow up on NAAC benchmarks/attainments, NBA Expert Team evaluation report and UGC quality mandate.				
4. Academic Audit is in place during every academic year to identify and eliminate non-compliance.				
5. PBAS for faculty incentives/appraisal.				

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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	Achievements/Outcomes
Participation in Ranking	Participated in NIRF, AISHE and AICTE Internshala. In AICTE Internshala VIIT has secured 240th Zonal rank and secured AIR of 601.
Fixation and follow up of NAAC attainment levels	Attainments / benchmarks as suggested by NAAC have been prepared and circulated to all the process owner's and follow up is being in practice by the IQAC cell.
Review on NBA compliance and UGC compliance report submission	As per the report given by the NBA Expert evaluation team, the departments were asked to prepare the action plan and implementation program wise and also submitted to NBA Since VIIT is conferred with Autonomous status, the institute has to send Compliance report. In this aspect, the institute has invited UGC peer team on 9th Sep2019 to evaluate functioning of the institute under autonomy during the academic year 2018-19. A copy of the report is sent to UGC and the same uploaded on the institute website
Collection and analysis of feedback from the stakeholders.	Technical skills were imparted to the students and as a result improvements in pass percentage by 10% and placements by 20% were recorded.
Review of lesson plans, MID term question papers as per Blooms Taxonomy and Attainment calculation for every course	Effective coverage of syllabus and the standards of question papers are improved.
Data collection and maintain compliance report against academic and event calendar through audit	Academic audit was operationalised by 5 teams to assess the compliance with the academic and event calendar report has been uploaded in the institute website.
Preparation and submission of AQAR	Draft AQAR was reviewed and approved by the UGC Peer team for submission.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
UGC Peer Team	09-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	20-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	1. Registration of the students beginning of the semester 2. Entry and monitoring of attendance 3. Entry and monitoring of internal and external evaluation process 4. Collection of the Tuition fee 5. Information to the parents on wards' attendance and academic performance and also Fee particulars 6. Faculty attendance and leaves system 7. Faculty academic and research profiles

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	10 01	Civil Engineering	17/03/2018
BTech	10-02	Electrical and Electronics Engineering	13/04/2019
BTech	10-03	Mechanical Engineering	13/04/2019
BTech	10-04	Electronics and Communication Engineering	02/04/2018
BTech	10-05	Computer Science Engineering	07/03/2018
BTech	10-12	Information Technology	28/04/2018
BTech	10-19	Electronics and Computer Engineering	11/04/2018
MBA	30-99	MBA	09/03/2018

MCA	40-98	MCA	23/02/2018
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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	02/07/2018	Engineering Exploration as Audit 1000191110	02/07/2018
BTech	Electrical and Electronics Engineering	02/07/2018	Engineering Exploration as Audit Course - 1000191110	02/07/2018
BTech	Mechanical Engineering	02/07/2018	Engineering Exploration as Audit Course - 1000191110	02/07/2018
BTech	Electronics and Communication Engineering	02/07/2018	Engineering Exploration as Audit Course - 1000191110	02/07/2018
BTech	Electronics and Communication Engineering	02/04/2018	Engineering Economics and Management Science - 1099172207	02/04/2018
BTech	Computer Science Engineering	02/07/2018	Engineering Exploration as Audit Course - 1000191110	02/07/2018
BTech	Information Technology	02/07/2018	Engineering Exploration as Audit Course - 1000191110	02/07/2018
BTech	Electronics and Computer Engineering	02/07/2018	Engineering Exploration as Audit Course - 1000191110	02/07/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MCA	Advanced JAVA Programming	15/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College 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	11/06/2018
BTech	Electronics and Communication Engineering	19/11/2018
Mtech	Digital Electronics and Communication Systems	12/08/2018
Mtech	Electronics and Communication Engineering	12/08/2018

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
NPTEL (Internet of Things)	13/07/2018	2
British English Certification	02/07/2018	545
AP Skill Development Rivet Arch structures	02/07/2018	24
Recent trends on Concrete technology	10/11/2018	110
PLC Programming	17/06/2019	64
APSSDC DASSAULT 3D EXPERIENCE	30/07/2018	263
SIEMENS skill development	30/07/2018	167
Cyber Security Essentials	16/07/2018	2722
CCNA RS Introduction to Networks	22/06/2018	40
CCNA RS Routing and Switching Essentials	21/08/2018	30
CCNA RS Introduction to Networks	19/01/2019	169
CCNA RS Introduction to Networks	24/05/2018	46
CISCO(Total)Institute level	22/06/2018	3007
BEC, OXFORD Achievers	17/12/2018	98
Business English Certificate	17/12/2018	160
Mission RD at IIT Hyderabad	24/05/2019	2
Business English Certificate	17/12/2018	47
Business English	17/12/2018	47

Certificate				
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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	Electronics and Communication Engineering	88		
BTech	Computer Science Engineering	26		
BTech	Information Technology	5		
BTech	Electronics and Computer Engineering	4		
MCA	MCA	2		
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1.4 – Feedback System				
1.4.1 – Whether structured feedback received from all the stakeholders.				
Students	Yes			
Teachers	Yes			
Employers	Yes			
Alumni	Yes			
Parents	Yes			
1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)				
<div>Feedback Obtained</div> <p>The Departments have collected the feedback on curriculum from various stake holders such as Alumni, Employers, Academicians, Entrepreneurs and Parents. Many of the feasible suggestions are considered and included in the curriculum. In B.Tech. , Civil Engineering AutoCAD, ArcGIS, StaadPro and Live projects are given importance. In B.Tech. , Electrical and Electronics Engineering more importance is given for practical learning. In B.Tech. , Mechanical Engineering field visits is made mandatory, contemporary courses like vibrations, composite materials etc., are added as elective courses. In B.Tech. , Electronics and Communication Engineering courses related to high probable employment (name of the course) are included as regular/ elective courses. In B.Tech. , Computer Science and Engineering, B.Tech. , Information Technology, B.Tech. Electronics and Computer Engineering and MCA industry relevant courses (name of the course)are added and Internships are encouraged. All the programs have introduced MOOCs courses and Industrial visits are made mandatory. Internships and Open electives are introduced in the curriculum. Courses like Entrepreneurship development, Artificial Intelligence, Python Programming, Robotics, Waste Water Management etc., are offered as open electives by respective departments.</p>				
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

No Data Entered/Not Applicable !!!

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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
2018	4815	183	217	37	30

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
284	284	84	84	0	84

[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 for every 20 students one faculty mentor is allocated

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4862	284	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
12	12	0	8	5

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
2018	Dr.B.Dhanalkashmi	Associate Professor	Best Thesis award
2018	Dr.M.Raveendra Kiran	Associate Professor	Editorial Board Member in "American Journal of Nano Research and Applications(NANO)
2018	Dr. Debnath Bhattacharyya	Professor	Best researcher award from WORLD

			EYE from CHINA
2019	Dr. K. S. Raghuram	Associate Professor	RULA Award - Research Ratna Award of the year 2019
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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	10	1/1	14/12/2018	03/01/2019
BTech	10	1/2	30/11/2018	23/01/2019
BTech	10	2/1	28/05/2019	25/07/2019
BTech	10	2/2	15/05/2019	04/07/2019
Mtech	20	1/1	07/01/2019	04/02/2019
Mtech	20	2/1	01/06/2019	15/07/2019
MBA	30	1/1	07/01/2019	04/02/2019
MBA	30	2/1	01/06/2019	15/07/2019
MBA	30	1/2	10/12/2018	01/02/2019
MBA	30	2/2	15/05/2019	07/04/2019
MCA	40	1/1	04/01/2019	04/02/2019
MCA	40	2/1	30/05/2019	15/07/2019
MCA	40	1/2	15/12/2018	01/02/2019
MCA	40	2/2	15/05/2019	04/07/2019
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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	4127	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://vignaniit.edu.in/I,%20II%20&%20III%20B.Tech Course%20Outcomes 2019-20.pdf

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

No Data Entered/Not Applicable !!!

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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://vignaniit.edu.in/VIIT\(A\)_Student's%20Satisfaction%20Survey_2019-20.pdf](https://vignaniit.edu.in/VIIT(A)_Student's%20Satisfaction%20Survey_2019-20.pdf)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No

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3.1.2 – 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
No Data Entered/Not Applicable !!!				
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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
Students Research Projects (Other than compulsory by the University)	10	Vignan's Institute of Information technology	0	0
Major Projects	10	SERB	85.61	5
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

6

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
IOT certification course collaboration with APSSDC and university of California	Electronics and Communication Engineering	01/06/2018
A Three day workshop on	Electronics and	16/08/2018

SCI Lab	Communication Engineering	
A Two day workshop on Hands on training on circuit simulation and PCB design	Electronics and Communication Engineering	14/09/2018
Thin films for advanced technological applications	Basic Sciences and Humanitie	02/11/2018
A Guest lecture on 5G Networks and Introduction to IoT	Electronics and Communication Engineering	23/11/2018
A Two day workshop on Embedded systems and IoT	Electronics and Communication Engineering	14/12/2018
A seminar on Intellectual Properties patents	Mechanical engineering	01/07/2019
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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
Bright Research Award	A.S.D. Murthy	Confederation of Indian Industry (CII) Chandigarh (UT) ,India	04/04/2019	International
Best Research Award	A.S.D. Murthy	International Organization of Scientific Research and Development.	27/03/2019	International
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
NIL	0

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	Electronics and Communication Engineering	21	1
International	Electrical and	5	0

	Electronics Engineerin		
International	Master of Computer Applications	2	3.5
International	Basic Sciences and Humanitie	8	0
International	Civil Engineering	15	5.32
International	Computer Science Engineering	33	0
International	Master of Business Administration	9	0
International	Mechanical Engineering	5	0
National	Mechanical Engineering	1	0
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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
Computer Science Engineering	2
Mechanical Engineering	4
Master of Computer Applications	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
System and Method for Identification, Localization and Analysis of Heterogeneity of Human Brain with Tumor	Published	GOIN33/574	01/06/2018
System and Method for Segmentation of Normal and Abnormal Brain Tissues from Magnetic Resonance Images	Published	A61B5/055	03/08/2018
Block Chain Based Automatic Attendance Registration System With Stable Digital Security Identification Using Facial, Biometric	Published	2019410181	24/05/2019

Recognition
And/or or Codes

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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
UPFC Compensated Transmission Line Fault Location Based on Travelling Wave Theory and Wavelet Modulus Maxima	K. Sravanthi	International Journal of Engineering Technology, 7 (4.24) (2018) 8286	2018	0	Vignan Institute of Information Technology(A)	0
Real Time TEC Prediction during Storm Periods using AR Based Kalman Filter	Dr. B. Arundhati	International Journal of Innovative Technology and Exploring Engineering, Volume8 Issue6, April 2019	2018	0	Vignan Institute of Information Technology(A)	0
Payroll Processing Tagmemics in SAP HR	Dr. J. Anitha	International Journal of Advanced Science and Technology	2018	0	Vignan Institute of Information Technology(A)	0
Error tolerant global search incorporated with deep learning alg. to automatic Hindi text summarization	Dr.J.Anitha	International Journal of Business Intelligence and Data Mining	2018	0	Vignan Institute of Information Technology(A)	0
Identification of	Dr.K.Venkata rao	International	2019	0	Vignan Institute	0

national disaster affected area precise location based on tweets		Journal of Innovative Technology and Exploring Engineering			of Information Technology(A)	
A study on machine learning deep learning techniques for intrusion detection system	Dr.K.Venkata rao	International Conference on Computer Networks and Inventive Communication Technologies	2019	0	Vignan Institute of Information Technology(A)	0
Handwritten using haar transform writing recog	K.Leela Prasad	IUP Journal of Computer Science	2018	0	Vignan Institute of Information Technology(A)	0
Characterization and electrical conductivity of ionic Oxide nano films by dc and ac methods	S. N. Padhil, k. S. Raghu ram2, a. Sai neel kamal2, ch. Sivarama krishna2 and b. N. Dhanunjaya rao2	Arpn journal of engineering and applied sciences	2018	0	Vignan Institute of Information Technology(A)	0
Equal channel angular extrusion of Semicircular aa 5083 covered with Copper casing	Ananda babu varadala, swami naidu gubelli, sateesh bandaru	Emerging materials research	2018	0	Vignan Institute of Information Technology(A)	0
Process modelling and simulation analysis of cnc oxyfuel Cutting	Ch.sivaramakrishna, k.s.raghuram, b.avinash ben	Materials today proceedings	2018	0	Vignan Institute of Information Technology(A)	0

process on sa516 grade 70 carbon steel						
Equalchannel angular extrusion of al 5083 Alloy with copper shielding	Ananda babu varadala, swami naidu guru gubelli, sateesh bandaru	Emerging materials research	2018	0	Vignan Institute of Information Technology(A)	0
Geometrical behavior of laminated graphite/epoxy composite using hypermesh	Ch. Sivarama krishna, kv subbarao, a. Sai neel kamal,	International journal on engineering and technology	2018	0	Vignan Institute of Information Technology(A)	0
Minimization of exhaust radiated waves From the naval ship and invention to get Prevention from targeted enemies	K.s. Raghuram, neel kamalarji, monika kadregula and Pavani sri kavya	Jp journal of heat and mass transfer	2019	0	Vignan Institute of Information Technology(A)	0
Real Time TEC Prediction during Storm Periods using AR Based Kalman Filter	B. Arundhati, V. Gopitilak, S. Koteswara Rao	International Journal of Innovative Technology and Exploring Engineering,	2019	0	Vignan Institute of Information Technology(A)	0
Upfc Compensated Transmission Line Fault Location Based on Travelling Wave Theory and	K. Durga Syam Prasad, K. Sravanthi, Dr. Ch. Sai Babu	International Journal of Engineering Technology	2018	0	JNTUK	0

Wavelet Modulus Maxima						
Insulation Integrity in GIS under particle contamination	K Appala Naidu, K Navya	International Journal of Advanced trends in Engineering Science and Technology	2019	0	Vignan Institute of Information Technology(A)	0
Solar powered obstacle avoiding lawn mower	Smruthi Dash	ii manager	2019	0	Vignan Institute of Information Technology(A)	0
A Concrete Weather Reporting System Model using IoT	Ch. Sudhakar, A. Sravani, N .Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Control and Automation	2018	0	Vignan Institute of Information Technology(A)	0
Simulated Studies on the Performance of Intelligent Transportation System Using Vehicular Networks	Stephen Neal Joshua, N. Thirupathi Rao, Kalam Swathi, K V Satyanarayana, Debnath Bhattacharyya and Taihoon Kim	International Journal of Grid and Distributed Computing	2018	0	Vignan Institute of Information Technology(A)	0
Performance Inspection of Apache Spark and Map reduce Analyzing Through Kmeans	E.Laxmi Lydia, P Govindasamy, G.Devika, A .Kaveena Rebecca	Journal of Advanced Research in Dynamical Control Systems	2018	0	Vignan Institute of Information Technology(A)	0
Graphical Modelling Framework(Gmf) Of	Dr.E.Laxmi Lydia, P.A maranatha Reddy	Journal of Advanced Research in Dynamical	2018	0	Vignan Institute of Information Technology(A)	0

MapReduce Programmin g		Control Systems				
Document Clustering Based On Text Mining KMeans Algorithm Using Euclidean Distance Similarity	E. Laxmi Lydia,P.Go vindaswamy , SK.Laksh manaprabu, 4D.Ramya	Jour of Adv Research in Dynamical Control Systems	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
Studies on the TMS Using IR Sensors for Avoiding Congestion in Traffic on Indian City Roads	N.Thirup athi Rao, Debnath Bh attacharyy a and Taihoon Kim	Internat ional Journal of Control and Automation	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
Hybrid Processing Technique to Gender Inference in Social Network Services	Ch. Sudhakar, A. Sravani, N .Thirupath i Rao, Debnath Bh attacharyy a and Taihoon Kim	Internat ional Journal of Advanced Science and Technology	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
Performa nce of M/M/1 and M/D/1 Queuing Models on Data Centers with Cloud Computing Technology Using MATLAB	N.Thirup athi Rao, P. Srinivas, K. Sudha, Debnath Bh attacharyy a and Taihoon Kim	Internat ional Journal of Grid and D istributed Computing	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
An Automated Traffic Signal Con trolling System	N.Thirup athi Rao and Debnath Bh attacharyy a	Internat ional Journal of Transporta tion	2019	0	Vignan Institute of Informa tion Techn ology(A)	0
Secure Electronic	D. Dwijesh	Internat ional	2018	0	Vignan Institute	0

Voting System using Blockchain Technology	Kumar1, D. V. Chandini1, B. Dinesh Reddy1, Debnath Bhattacharyy al and Taihoon Kim2	Journal of Advanced Science and Technology			of Informa tion Techn ology(A)	
Heteroge neity of human brain tumor with lesion ide ntificatio n, localiz ation, and analysis from MRI	Sudipta Roy a,c,, Debnath Bhattacharyy a b, Samir Kumar Band yopadhyay c, TaiHoon Kim d	Informat ics in Medicine Unlocked	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
Forecast ing Labeled and unlabelled time series date through histogram based KNN prediction	Dr Challa Narasimham	PONTE Journal	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
A Novel feature selection based clas sification model for disease severity prediction on Alzheim er's database.	Dr Challa Narasimham	Journal of Advanced Research in Dynamical and Control Systems	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
Generation of dynamic energy management using data mining techniques basing on big data analytics	Dr. E. Laxmi Lydia 1 , B. Prasanna Kumar 2, D. Ramya 3	Internat ional Journal of Engineerin g Technology	2018	0	Vignan Institute of Informa tion Techn ology(A)	0

isssues in smart grids						
Applying compression algorithms on hadoop cluster implementing through apache tez and hadoop mapreduce	Dr. E. Laxmi Lydia M. SrinivasaRao	International Journal of Engineering Technology	2018	0	Vignan Institute of Information Technology(A)	0
Analyzing the Performance of DSR Protocol on MANET's Network Models with Various Scenarios using ViSim	N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Engineering Technology	2018	0	Vignan Institute of Information Technology(A)	0
Black Hole Attacks on WSNs Using Discrete Simulator: An Extensive Review	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao and Taihoon Kim	International Journal of Grid and Distributed Computing	2018	0	Vignan Institute of Information Technology(A)	0
Optimal Traffic Flow in Tandem Communication Networks	N.Thirupathi Rao, K.Srinivasa Rao and P.Srinivasa Rao	International Journal of Control and Automation	2018	0	Vignan Institute of Information Technology(A)	0
Some Studies on the Security and Space Issues and Challenges in Cloud Computing based Data Centers	N.Thirupathi Rao, Ch. Sekhar, Debnath Bhattacharyya, TaiHoon Kim	International Journal of Security and Its Applications	2018	0	Vignan Institute of Information Technology(A)	0
Security and	N.Thirupathi Rao,	International	2018	0	Vignan Institute	0

assurance aspects to be observed in Cloud computing based data centers: A study	A. Sravani, Debnath Bhattacharyya and Taihoon Kim	Journal of Security and Its Applications			of Information Technology(A)	
Security Issues and Attacks in Wireless Sensor Networks: Some Case Studies	N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Security and Its Applications	2018	0	Vignan Institute of Information Technology(A)	0
Text Mining with Hadoop: Document Clustering with TF_IDF and Measuring Distance Using Euclidean	E. Laxmi Lydia	Jour of Adv Research in Dynamical Control Systems	2018	0	Vignan Institute of Information Technology(A)	0
Security Issues and Routing Challenges on Mobile AdHoc Networks: An Extensive Review	N.Thirupathi Rao	International Journal of Security and Its Applications	2018	0	Vignan Institute of Information Technology(A)	0
Studies on the TMS Using IR Sensors for Avoiding Congestion in Traffic on Indian City Roads	N.Thirupathi Rao and Debnath Bhattacharyya	International Journal of Transportation	2018	0	Vignan Institute of Information Technology(A)	0
Space and Security Issues in Cloud Computing: A Review	Debnath Bhattacharyya	International Journal of Security and Its Applications	2018	0	Vignan Institute of Information Technology(A)	0

An Innovative Approach To Bitcoin Identification Of Entities Using Hash Algorithm	Dr. Narasimham Challa	International Journal of Advance and Innovative Research	2019	0	Vignan Institute of Information Technology(A)	0
Artificial Way of Characterizing unsupervised Data using Auto Encoders With Deep Learning Cluster Analysis	E.Laxmi Lydia, Gogineni Hima Bindu, Pasam Prudhvi Kiran, Kollati Vijaya Kumar	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	Vignan Institute of Information Technology(A)	0
Poll prediction basing on sentiment using Naïve Bayes and Dictionary based Classifiers	Dr Challa Narasimham	International Journal of Advance and Innovative Research	2019	0	Vignan Institute of Information Technology(A)	0
Verifiable Encryption to ensure zeroknowledge based system for optimistic fair exchange	Dr Challa Narasimham	International Journal of Advance and Innovative Research	2019	0	Vignan Institute of Information Technology(A)	0
Computational Modeling of Signal Transduction Pathways in Breast Cancerous Cell and Target Therapy	Prasanna Priya Golagani, Shaik Khasim Beebi, Tummala Sita Mahalakshmi	International Journal of Recent Technology and Engineering	2019	0	Vignan Institute of Information Technology(A)	0
Electronic Governance	E.Laxmi Lydia, Gogineni	International Journal of	2019	0	Vignan Institute of Informa	0

of Housing Price using Boston Dataset Implementing through Deep Learning Mechanism	Hima Bindu, Aswadhati Sirisham, Pasam Prudhvi Kiran	Recent Technology and Engineering			tion Technology(A)	
Early Assortment of Routes for Transfer of Packets in Communication Networks	Ch. Sudhakar, N.Thirupathi Rao, Debnath Bhattacharyya	International Journal of Future Generation Communication and Networking	2019	0	Vignan Institute of Information Technology(A)	0
Smart Electronic Stick for Blind People: An IoT Application	Ch. Sudhakar, N.Thirupathi Rao, Debnath Bhattacharyya	International Journal of Security and Its Applications	2019	0	Vignan Institute of Information Technology(A)	0
5G Network Model Analysis by NS2 Simulation: An Extensive Review	N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	Journal of Engineering and Applied Sciences	2019	0	Vignan Institute of Information Technology(A)	0
Solving VennDiagram Based Comprehension Questions in Set Theory using Natural Language Processing	B Dinesh Reddy, A Ravi Kiran, Abhilash K, N.Thirupathi Rao and Debnath Bhattacharyya	International Journal of Advanced Science and Technology	2019	0	Vignan Institute of Information Technology(A)	0
Optimal Analysis of A Queuing Model based Communication Network	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao, K.Srinivasa Rao, P.Sri	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	Vignan Institute of Information Technology(A)	0

	nivasa Rao and Taihoon Kim					
Analyzing the Behaviour of Reactive Protocols in Wireless Sensor Networks Using TCP Mode of Connection	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao and Taihoon Kim	International Journal of Engineering and Advanced Technology (IJEAT)	2019	0	Vignan Institute of Information Technology(A)	0
Health Advisory System using IoT Technology	K.Asish Vardhan, N.Thirupathi Rao, S. Nagamallik Raj, G. Sudeepthi, Divya, Debnath Bhattacharyya and Taihoon Kim	International Journal of Recent Technology and Engineering	2019	0	Vignan Institute of Information Technology(A)	0
Detection of Cyst in Human Brain Using Scan Images	Debnath Bhattacharyya and N. Thirupathi Rao	International Journal of Advanced Science and Technology	2019	0	Vignan Institute of Information Technology(A)	0
Water Quality Testing and Monitoring System	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao and Taihoon Kim	International Journal of Innovative Technology and Exploring Engineering	2019	0	Vignan Institute of Information Technology(A)	0
Queuing Model Based Data Centers: A Review	N.Thirupathi Rao, Debnath Bhattacharyya and S. Naga Mallik Raj	International Journal of Advanced Science and Technology	2019	0	Vignan Institute of Information Technology(A)	0
Steady State	N.Thirupathi Rao,	Journal of Enginee	2019	0	Vignan Institute	0

	Analysis of M/G/1 and M/Er/1 Line Models with MATLAB Environment in Cloud Computing Applications	Debnath Bhattacharyya, Midhunc hakravarthy and Taihoon Kim	ring and Applied Sciences			of Information Technology(A)	
	Generalized Detection of Colloid Cyst in Brain using MRI Scan/CT Scan	D.Lavanya, N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Innovative Technology and Exploring Engineering	2019	0	Vignan Institute of Information Technology(A)	0
	Simulated Performance Analysis of 5G Networks By NS2	N.Thirupathi Rao, Debnath Bhattacharyya and K.Asish Vardhan	International Journal of Advanced Science and Technology	2019	0	Vignan Institute of Information Technology(A)	0
	Network Threat Identification using Digital Ant Technology	B.Vasantharani, G Ravikumar, K G Prasanthi	International Journal of Recent Technology and Engineering	2019	0	Vignan Institute of Information Technology(A)	0
	Characteristics of MOF, MWCNT and graphene containing materials for hydrogen storage: A review"	Kranthi Kumar Gangu	Journal of Energy Chemistry	2019	3	UKZN, South Africa	0
	Catalytic activity of supra molecular selfassembled Nickel (II) coordination complex in	Kranthi Kumar Gangu	Polyhedron	2019	0	Vignan Institute of Information Technology(A)	0

	synthesis of indenopyrimidine derivatives						
	A review on novel composites of MWCNTs mediated semiconducting materials as photocatalysts in water treatment	Kranthi Kumar Gangu	Science of The Total Environment	2019	9	UKZN, South Africa	0
	Our contributions in synthesis of diverse heterocyclic scaffolds by using mixed oxides as heterogeneous catalysts	Kranthi Kumar Gangu	The Chemical Record	2018	0	UKZN, South Africa	0
	A 3D supermolecular assembly of Co(II) MOF constructed with 2,5pyridinedicarboxylate strut and its catalytic activity towards synthesis of tetrahydrobiphenylene1,3dicarbonitriles	Kranthi Kumar Gangu	Inorganica Chimica Acta	2018	0	UKZN, South Africa	0
	A Non Linear Dynamic Behaviour of	K. Hemanth Kumar, N. Mohan Murali, P.	International Journal of Technical Innovation	2018	0	Vignan Institute of Information Technology(A)	0

	Circular Elevated Water Tank for different levels of water under ElCentro Earthquake Excitation	Tarun Kumar	in Modern Engineering Science				
	Seismic Analysis of different model combinations for T Shape Buildings	Vinay Anand D. And Makavana Jaykishan	International Journal of Technical Innovation in Modern Engineering Science	2018	0	Vignan Institute of Information Technology(A)	0
	Comparative study of compressive strength of Green concrete with Ordinary portland cement	Vinay Anand D. And Trivedi Srushti	International Journal of Technical Innovation in Modern Engineering Science	2018	0	Vignan Institute of Information Technology(A)	0
	Correlation of strength parameters of self curing concrete	K.Srinivas.S.Naveen,S.Kranthi vijaya	International Journal of Technical Innovation in Modern Engineering Science	2018	0	Vignan Institute of Information Technology(A)	0
	A study on properties of concrete by replacing cement with marble powder and fly ash	Sathi Kranthi Vijaya, Karri Srinivas	International Journal of Technical Innovation in Modern Engineering Science	2018	0	Vignan Institute of Information Technology(A)	0
	Replacement of natural aggregate with fly	K Jagadeeswaril, R Hemasri Phanindra	International Journal of Technical Innovation	2018	0	Vignan Institute of Information Technology(A)	0

ash aggregate with alkali blinders		in Modern Engineerin g Science				
Effect of rice husk ash on the properties of expansive soils	A.V.S.L. Ramyal, G.Sudheer Kumar ² , A. Satyaveni ³	Internat ional Journal of Technical Innovation in Modern Engineerin g Science	2018	0	Vignan Institute of Informa tion Techn ology(A)	0
Design of multilevel parking facility based on traffic volume studies at jagadamba junction	Vinay Anand D., Naahida Tabassum, B. Madhav Reddy	Internat ional Journal of Technical Innovation in Modern Engineerin g Science	2019	0	Vignan Institute of Informa tion Techn ology(A)	0
Effect of ground granulated blast furnace slag on stabilized embankment soils under triaxial loading	Sanjeeva Raju Badab hagni, Hemanth Kumar Karaka, Sanjay Farooq SPGC	Internat ional Journal of Technical Innovation in Modern Engineerin g Science	2019	0	Vignan Institute of Informa tion Techn ology(A)	0
Corrision study on self compacting concrete and comparing with normal concrete	G. Ramadevi, S.S.S.R Krishna duvvuri, K. Jagadee swari devi	Internat ional Journal of Technical Innovation in Modern Engineerin g Science	2019	0	Vignan Institute of Informa tion Techn ology(A)	0
Comparit ive study of buildings with varying heights subjected to seismic	T.S.D.Ai shwaryal, Y.Mounisha ² , G.Sudheer Kumar ³	Internat ional Journal of Technical Innovation in Modern Engineerin g Science	2019	0	Vignan Institute of Informa tion Techn ology(A)	0

	forces in different zones						
	Land use and land cover classification for visakhapatnam using fuzzy c means clustering and adaptive neurofuzzy inference system	Dr. Ch. Kannam Naidu, Dr. Ch. Vasudeva Rao, Dr. T. V. Madhusudhana Rao	International Journal of Civil Engineering and Technology	2019	0	Vignan Institute of Information Technology(A)	0
	Runoff Estimation of Mini Watershed of Pedda Kedari Reserve Forest, Tekkali, Srikakulam, AP Using Remote Sensing, GIS And SCS Curve Number Techniques	Dr. Ch. Kannam Naidu, S.Ramlal, Dr.Ch. Vasudeva Rao	International Journal of Civil Engineering and Technology	2019	0	Vignan Institute of Information Technology(A)	0
	Study on strength properties of concrete with admixture containing copper slag at various properties	N.Ramu, B. Kishore babu, Rai David Sanjay	International Journal of Research and Scientific Innovation	2018	0	Vignan Institute of Information Technology(A)	0
	Temperature distribution of fire exposed concrete slab	N. Ramu, Dr. N. Victor babu, S. Naveen	International journal of management , technology and engineering	2019	0	Vignan Institute of Information Technology(A)	0
	Four	G. V.	Journal	2018	0	Vignan	0

Quadrant Control of Rotor Displacements of Bearing less Switched Reluctance Motor under Eccentric Fault Conditions	Nagesh Kumar	of Applied Science and Engineering, Vol. 21, No. 2, pp. 195 204			Institute of Information Technology(A)	
Mitigation of field stress with metal inserts for cone type spacer in a gas insulated busduct under delamination	G. V. Nagesh Kumar	Engineering Science and Technology, an International Journal	2018	0	Vignan Institute of Information Technology(A)	0
Linear programming technique based optimal relay coordination in a radial distribution system	G. V. Nagesh Kumar	International Journal of Engineering Technology, 7 (1.8) (2018) 5155	2018	0	Vignan Institute of Information Technology(A)	0
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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 excluding self citation	Institutional affiliation as mentioned in the publication
Analysis of stresses of graphite /epoxy composite plate using hypermesh	Ch. Siva rama krishna, misalasai kumar, mov vavenkatas ai kiran bammidi divya	Arpn journal of engineering and applied sciences	2018	21	0	Vignan Institute of Information Technology(A)
Process	Ch.siva		2018	18	0	Vignan

modelling and simulation analysis of cnc oxyfuel cutting process on sa516 grade 70 carbon steel	ramakrishna, k.s.raghuram, b.avinash ben	Materials today: proceedings				Institute of Information Technology(A)
Residual stresses analysis of laminated graphite/epoxy composite plates using hypermesh	Ch. Siva ramakrishna, moturigan ganesh, reddy visweswara rao pinreddy dharmateja	International journal of mechanical and production engineering research and development (ijmperd)	2018	9	0	Vignan Institute of Information Technology(A)
A Hybrid Approach for Identification of Manhole and Staircase to Assist Visually Challenged	Dr. T.V. MADHUSUDHAN RAO	IEEE Access	2018	56	0	Vignan Institute of Information Technology(A)
Generation of dynamic energy management using data mining techniques basing on big data analytics issues in smart grids	Dr. E. Laxmi Lydia, B. Prasanna Kumar, D. Ramya	International Journal of Engineering Technology	2018	20	0	Vignan Institute of Information Technology(A)
Applying compression algorithms on hadoop cluster implementing through apache tez	Dr. E. Laxmi Lydia M. Sarinivasa Rao	International Journal of Engineering Technology	2018	20	0	Vignan Institute of Information Technology(A)

	and hadoop mapreduce						
	Analyzing the Performance of DSR Protocol on MANET's Network Models with Various Scenarios using Visim	N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Engineering Technology	2018	20	0	Vignan Institute of Information Technology(A)
	Some Studies on the Security and Space Issues and Challenges in Cloud Computing based Data Centers	N.Thirupathi Rao, Ch. Sekhar, Debnath Bhattacharyya, TaiHoon Kim	International Journal of Security and Its Applications	2018	18	0	Vignan Institute of Information Technology(A)
	Security and assurance aspects to be observed in Cloud computing based data centers: A study	N.Thirupathi Rao, A. Sravani, Debnath Bhattacharyya and Taihoon Kim	International Journal of Security and Its Applications	2018	18	0	Vignan Institute of Information Technology(A)
	Fuzzy Logic Based Technique for Propeller Noise in Mechanical Structures	A.Sampath Dakshina Murthy, P.V.J.Raj Kumar , Rudra Pratap Das, S. Koteswara Rao	International Journal of Engineering Technology UAE	2018	20	0	Vignan Institute of Information Technology(A)
	Equalchannel angular extrusion of al 5083 alloy with copper	Anandababu varadala, swaminaidu gubelli and	Emerging materials research	2018	4	0	Vignan Institute of Information Technology(A)

	shielding	sateesh bandaru					
	Equal channel angular extrusion of semicircular aa 5083 covered with copper casing	Ananda babu varadala, swami naidu guru gubelli and sateesh bandaru	Emerging materials research	2018	4	0	Vignan Institute of Information Technology(A)
	Text Mining with Hadoop: Document Clustering with TF_IDF and Measuring Distance Using Euclidean	E. Laxmi Lydia	Jour of Adv Research in Dynamical Control Systems	2018	8	0	Vignan Institute of Information Technology(A)
	Four Quadrant Control of Rotor Displacements of Bearingless Switched Reluctance Motor under Eccentric Fault Conditions	Nageswara Rao Pulivarthi, G. V. Siva Krishna Rao and G. V. Nagesh Kumar	Journal of Applied Science and Engineering	2018	24	0	Vignan Institute of Information Technology(A)
	Mitigation of field stress with metal inserts for cone type spacer in a gas insulated busduct under delamination	Jagadeesh Adari , Venkata Siva Krishna Rao Gadi , Venkata Nagesh Kumar Gundavarapu	Engineering Science and Technology, an International Journal	2018	29	0	Vignan Institute of Information Technology(A)
	Modeling of enhancement	Dr.K.Yellaeswar Rao	Journal of Nanophotonics	2018	34	0	Vignan Institute of Informa

effect of motheye an tireflective coating on organic lightemitting diode						tion Technology(A)
Black Hole Attacks on WSNs Using Discrete Simulator: An Extensive Review	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao and Taihoon Kim	International Journal of Grid and Distributed Computing	2018	6	0	Vignan Institute of Information Technology(A)
Optimal Traffic Flow in Tandem Communication Networks	N.Thirupathi Rao, K.Srinivasa Rao and P.Srinivasa Rao	International Journal of Control and Automation	2018	18	0	Vignan Institute of Information Technology(A)
Security Issues and Attacks in Wireless Sensor Networks: Some Case Studies	N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Security and Its Applications	2018	18	0	Vignan Institute of Information Technology(A)
Security Issues and Routing Challenges on Mobile AdHoc Networks: An Extensive Review	N.Thirupathi Rao	International Journal of Security and Its Applications	2018	18	0	Vignan Institute of Information Technology(A)
Studies on the TMS Using IR Sensors for Avoiding Congestion in Traffic on Indian City Roads	N.Thirupathi Rao and Debnath Bhattacharyya	International Journal of Control and Automation	2018	18	0	Vignan Institute of Information Technology(A)
Space and Security Issues in Cloud Computing:	Debnath Bhattacharyya	International Journal of Security and Its Applications	2018	18	0	Vignan Institute of Information Technology(A)

A Review							
Passive suspension optimization of a quarter car using preview control with the spectral decomposition method	V.S.V. Satyanarayana, bandaru sateesh and n. Mohan rao	International journal of dynamics and control	2018	13	0	Vignan Institute of Information Technology(A)	
Characterization and electrical conductivity of ionic oxide nano films by dc and ac methods	S. N. Padhi, k. S. Raghu ram, a. Sai neel kamal, ch. Siva rama krishna and b. N. Dhanunjaya rao	ARPN Journal of Engineering and Applied Sciences	2018	21	0	Vignan Institute of Information Technology(A)	
Design, Analysis and Parametric Study of Rectangular Dielectric Resonator Antenna Arrays	K. Srinivasa Naik, Donga Madhusudan and S. Aruna	International Journal of Advanced Science and Technology	2018	4	0	Vignan Institute of Information Technology(A)	
Modified Wenner Method For Demarcation Of Saline Belt 3D Projection	G.V.V. Rameswara Rao,Dr. D. Mukund and Dr. Rudra. Pratap Das	International Journal Of Civil Engineering Technology	2018	18	0	Vignan Institute of Information Technology(A)	
Linear programming technique based optimal relay	G. V. Nagesh Kumar , B. Sravana Kumar , B. Venkateswara Rao , P. V. S.Sobhan , K. Appala Naidu	International Journal of Engineering Technology	2018	20	0	Vignan Institute of Information Technology(A)	
Upfc Compensated Transmission	K. Durga Syam Prasad, K.	International Journal of	2018	20	0	Vignan Institute of Informa	

n Line Fault Location Based on Travelling Wave Theory and Wavelet Modulus Maxima	Sravanthi, Dr. Ch. Sai Babu	Engineering Technology				tion Technology(A)
LAND USE AND LAND COVER CLASSIFICATION FOR VISAKHAPATNAM USING FUZZY C MEANS CLUSTERING AND ADAPTIVE NEUROFUZZY INFERENCE SYSTEM	Dr. Ch. Kannam Naidu, Dr. Ch. Vasudeva Rao, Dr. T. V. Madhusudhana Rao	International Journal of Civil Engineering and Technology	2019	18	0	Vignan Institute of Information Technology(A)
Runoff Estimation Of Mini Watershed Of Pedda Kedari Reserve Forest, Tekkali, Srikakulam, Ap Using Remote Sensing, GIS And SCS Curve Number Techniques	Dr. Ch. Kannam Naidu, S.Ramlal, ,Dr.Ch. Vasudeva Rao	International Journal of Civil Engineering and Technology	2019	18	0	Vignan Institute of Information Technology(A)
Simulated Performance Analysis of 5G Networks By NS2	N.Thirupathi Rao, Debnath Bhattacharyya and K.Asish Vardhan	International Journal of Advanced Science and Technology	2019	4	0	Vignan Institute of Information Technology(A)
Queuing Model Based Data Centers: A Review	N.Thirupathi Rao, Debnath Bhattacharyya and S. Naga Mallik Raj	International Journal of Advanced Science and Technology	2019	4	0	Vignan Institute of Information Technology(A)

Generalized Detection of Colloid Cyst in Brain using MRI Scan/CT Scan	D.Lavanya, N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Vignan Institute of Information Technology(A)
Optimization of Training Sequence Based Sparse Channel Estimation for Mmwave Communications in 5G	R. Umamaheswari, Ch. Sumanth Kumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Design of 9T QSTCAM using LECTOR Low Power Technique in 45nm CMOS Technology Design of 9T QSTCAM using LECTOR Low Power Technique in 45nm CMOS Technology	S. Aruna, K Sravan, Dr .K.Srinivasa Naik	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Design and Analysis of Different Patch Geometry and Complementary Split Ring Resonator for Xband Applications	Dr.K.Srinivasa Naik, S.Aruna, Kondalu Banavathu, P.Vamsy Prasad	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Varying Accuracy Configuration	S Aruna, M. Dheeraj,	International Journal of	2019	0	0	Vignan Institute of Informa

e Multipliers integrated by Utilizing Quality Compressors	K. Srinivasa Naik	Recent Technology and Engineering (IJRTE)				tion Technology(A)
A Low Power and High Speed Array Multiplier Using OnTheFly Conversion	S Aruna, S Venkatesh, K.Srinivasa Naik	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Parametric Study of Vivaldi Antenna with Different Corrugated Edges for Microwave Imaging Applications	K.Srinivasa Naik, P.Suneetha, M.Pachiyannan	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Development of FPGA Based MultiChannel Temperature Controller using Thermistors for under Water Vehicles	Kadali Lakshmi, Anakapalli Suresh, Arshini Gubbala	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Dramatization practices: a proactive framework to enhance communication skills among aspirants of professional courses from rural foundation in the	Ramappadu Kakita, Vijayababu Palukuri	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)

northern districts of Andhra Pradesh, India.						
Early Assortment of Routes for Transfer of Packets in Communication Networks	Ch. Sudhakar, N.Thirupathi Rao, Debnath Bhattacharyya	International Journal of Future Generation Communication and Networking	2019	1	0	Vignan Institute of Information Technology(A)
Smart Electronic Stick for Blind People: An IoT Application	Ch. Sudhakar, N.Thirupathi Rao, Debnath Bhattacharyya	International Journal of Security and Its Applications	2019	18	0	Vignan Institute of Information Technology(A)
Detection of Cyst in Human Brain Using Scan Images	Debnath Bhattacharyya and N. Thirupathi Rao	International Journal of Advanced Science and Technology	2019	4	0	Vignan Institute of Information Technology(A)
Water Quality Testing and Monitoring System	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao and Taihoon Kim	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Vignan Institute of Information Technology(A)
Steady State Analysis of M/G/1 and M/Er/1 Line Models with MATLAB Environment in Cloud Computing Applications	N.Thirupathi Rao, Debnath Bhattacharyya, Midhunchakravathy and Taihoon Kim	Journal of Engineering and Applied Sciences	2019	21	0	Vignan Institute of Information Technology(A)
Optimization of Deep Neural Networks	A.Sampath Dakshina Murthy, Rudra	International Journal of Recent Technology	2019	0	0	Vignan Institute of Information Technology(A)

	for Modeling Traffic Data using GPS	Pratap Das, T.Karthikeyan	and Engineering (IJRTE)				
	Minimization of exhaust radiated waves From the naval ship an invention to get Prevention from targeted enemies	K.S. Raghuram, Neel Kamal Arji, Monika Kadregula and Pavani Sri Kavya	JP Journal of Heat and Mass Transfer	2019	8	0	Vignan Institute of Information Technology(A)
	Real Time TEC Prediction during Storm Periods using AR Based Kalman Filter	B. Arundhati, V. GopiTilak, S. KoteswaraRao	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Vignan Institute of Information Technology(A)
	Artificial Way of Characterizing unsupervised Data using Auto Encoders With Deep Learning Cluster Analysis	E.Laxmi Lydia, Gogineni Hima Bindu, Pasam Prudhvi Kiran, Kollati Vijaya Kumar	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
	Electronic Governance of Housing Price using Boston Dataset Implementing through Deep Learning Mechanism	E.Laxmi Lydia, Gogineni Hima Bindu, Aswadhati Sirisham, Pasam Prudhvi Kiran	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
	An Automated Traffic	N.Thirupathi Rao and	International Journal of	2019	0	0	Vignan Institute of Informa

Signal Controlling System	Debnath Bhattacharyya	Transportation				tion Technology(A)
Analyzing the Behaviour of Reactive Protocols in Wireless Sensor Networks Using TCP Mode of Connection	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao and Taihoon Kim	International Journal of Engineering and Advanced Technology (IJEAT)	2019	0	0	Vignan Institute of Information Technology(A)
Health Advisory System using IoT Technology	K.Asish Vardhan, N.Thirupathi Rao, S. Nagamallik Raj, G. Sudeepthi, Divya, Debnath Bhattacharyya and Taihoon Kim	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Analysis of SNR distribution of MIMO Indoor VLC System Up to Second order of Reflection	Ashish Kumar, R. Umamaheswari, Subhrajit Barick, A. Sampath Dakshina Murthy	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Design and Simulation of UWB LFM Radar	Dr.A.Nagajyothi, Dr. T. Pavani, G. Thiagarajan, G.V. Sai Swetha	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Retina Resistivity Analyzer	Ravada Aamani, Rudra Pratap Das, A.Sampath Dakshina Murthy	International Journal of Engineering and Advanced Technology (IJEAT)	2019	0	0	Vignan Institute of Information Technology(A)

Error tolerant global search incorporated with deep learning algorithm to automatic Hindi text summarization	Dr.J.Anitha, P.V.G.D Prasad Reddy, M.S.Prasad Babu	International Journal of Business Intelligence and Data mining	2019	17	0	Vignan Institute of Information Technology(A)
Indentification of Natural Disaster affected area Precise Location based on Tweets	B.Premam ayudu, P. Subbarao, Koduganti Venkata Rao	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	Vignan Institute of Information Technology(A)
Multilayer authentication -Crypto for Internet of Things Security Using End to End Cryptography	Mr.S.K.Sharma, Vishnu Murthy Pataballa, Subha Sri Boddepalli	IJASSR, ElsevierSSRN	2019	0	0	Vignan Institute of Information Technology(A)
Computational Modeling of Signal Transduction Pathways in Breast Cancerous Cell and Target Therapy	Prasanna Priya Golagani, Shaik Khasim Beebi, Tummala Sita Mahalakshmi	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
5G Network Model Analysis by NS2 Simulation: An Extensive Review	N.Thirupathi Rao, Debnath Bhattacharyya and Taihoon Kim	Journal of Engineering and Applied Sciences	2019	21	0	Vignan Institute of Information Technology(A)

Solving VennDiagram Based Comprehension Questions in Set Theory using Natural Language Processing	B Dinesh Reddy, A Ravi Kiran, Abhilash K, N.Thirupathi Rao and Debnath Bhattacharyya	International Journal of Advanced Science and Technology	2019	4	0	Vignan Institute of Information Technology(A)
Optimal Analysis of A Queuing Model based Communication Network	N.Thirupathi Rao, Debnath Bhattacharyya, V. Madhusudana Rao, K.Srinivasa Rao, P.Srinivasa Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Network Threat Identification using Digital Ant Technology	B.Vasantharani, G Ravikumar, K G Prasanthi	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Electronic governance of digital citizenship for house price implementation through Deep learning mechanism	Mrs. A. Sireesha	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Artificial way of characterizing unsupervised data using auto encoders with deep learning cluster analysis	E.Laxmi Lydia, Gogineni Hima Bindu, Pasam Prudhvi Kiran, Kollati Vijaya Kumar	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Parapher	K. Madhu	Internat	2019	0	0	Vignan

nalias of Entrepreneurship - A Contemplating Outlook	Kishore Raghunath, Chandra Sekhar Patro, K. Sirisha	ional Journal of Entrepreneurship and Innovation				Institute of Information Technology(A)
Design and Performance Analysis of Pentagon Shaped Microstrip Patch Antenna	P A Nageswara Rao, YSukanya, P. Mallikarjuna Rao	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Implementation and Testing of Dual Polarized Parabolic Dish Antenna	Dr.A.NagaJyothi	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	0	0	Vignan Institute of Information Technology(A)
Network Threat Identification using Digital Ant Technology	B.Vasantharani, G Ravikumar, K G Prasanthi	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Vignan Institute of Information Technology(A)
Design of intelligent controller for reduction of chattering phenomenon in robotic arm: A rapid prototyping	Dr.G.V.Nagersh Kumar	Computers Electrical Engineering	2019	49	0	Vignan Institute of Information Technology(A)
Police Commemoration Day Raising Fund	Dr Santhosh Kumar Alla	Ceramics International	2019	89	0	Vignan Institute of Information Technology(A)
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	2	49	21	20
Presented papers	12	24	0	0
Resource persons	2	7	5	0
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr.Ch. Kanam naidu, Civil Engineering	Soil testing	M/S poewertech Pvt Ltd.	37700
Dr. Debnath Bhattacharyya Dr. N .Thirupathi Rao CSE	Foreign grant received to establish a Research Lab entitled " Research Lab on Artificial Intelligence and Soft Computing" from SERSC Society, South Korea.	SERSC Society, South Korea	2200000
Dr. Chintapalli Vsn Reddi, Mechanical Engineering	Medium and High Frequency Noise Reduction in a Vibroacoustic Cavity using Radiataterer Geometry	DSTECR	3603600
Dr.Aggala Naga Jyothi. ECE	Arbitrary Waveform Generator For Automotive Radar Systems	DSTECR	4502830
Dr.E.Laxmi Lydia, CSE	Text mining with lucene and hadoop: document clustering with Updated rules of nmf (nonnegative matrix factorization)	DSTECR	1947110
Dr.K.S.Naik, ECE	Design Optimization and Performance Improvement of Large Antenna Arrays	DSTEEQ	4061000
Dr. Pudi SekharEEE	Aunified Virtual Power Decoupling Method for Droop Controlled Parallel	DSTECR	3096410

	Inverters in Microgrids under Complex Load Conditionst.		
Dr.Yellareswara rao Kosuri, BSH	Development of All Solid State Thin FilmLiIon Micro Battery using Powder Sputtering	DSTECR	3339600
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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
NIL	NI	NIL	0	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
National Science Day	Vignan's Institute Of Information Technology (A)	3	80
Open house programme	Vignan's Institute Of Information Technology (A)	2	520
Sankranthi Sambaralu	Vignan's Institute Of Information Technology (A)	1	2060
Workshop on Photography	Vignan's Institute Of Information Technology (A)	1	100
10 day Summer Internship Camp	Vignan's Institute Of Information Technology (A)	1	55
Participation of NSS Volunteers in Navy Bay Marathon	Vignan's Institute Of Information Technology (A)	10	650
Rally on World Environment Day	Vignan's Institute Of Information Technology (A)	1	30

Subhojanam at King George Hospital	Vignan's Institute Of Information Technology (A)	1	20
Participation of NSS Volunteers in R3 (Reduce, Recycle and Reuse) project	Vignan's Institute Of Information Technology (A)	1	50
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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
NIL	NIL	NIL	0
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
Govt... Schemes	Vignan's Institute Of Information Technology (A)	Republic Day Celebrations	2	30
Govt. Schemes	Vignan's Institute Of Information Technology (A)	Voter awareness programme	2	235
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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
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Striker Sof Solutions Pvt Ltd, Hyderabad	21/07/2018	Faculty exchange, student projects and internships	5
DASSAULT Systems	21/07/2018	Training, projects	250
Stanford University	21/07/2018	UIF	5
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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
30	27.29

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Newly Added
Laboratories	Newly Added
Classrooms with LCD facilities	Newly Added
Video Centre	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
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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
EZLIB	Partially	2.21	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	54815	12200000	1775	1271770	56590	13471770
Reference Books	6191	4024150	273	163800	6464	4187950
e-Books	9354	140479	0	0	9354	140479
Journals	81	329377	0	0	81	329377
e-Journals	18853	936381	0	0	18853	936381
Digital Database	1	0	0	0	1	0

CD & Video	1450	0	87	0	1537	0
Library Automation	1	0	0	0	1	0
Weeding (hard & soft)	4000	2400000	165	99000	4165	2499000
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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. E.Laxmi Lydia	MapReduce	Social networking site	07/10/2018
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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	1178	12	105	1	2	2	8	105	0
Added	0	0	0	0	0	0	0	0	0
Total	1178	12	105	1	2	2	8	105	0

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

100 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
Virtual Academy - Media centre - Applying Structure to Hadoop Data with Hive	https://www.youtube.com/watch?v=l0SWQfJUk0g

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
1283	1275	289	275

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)

Made available with institute web site
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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	Merit Scholarship	32	1416550
Financial Support from Other Sources			
a) National	Sponsorships	150	2500000
b) International	00	0	0
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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
BEC (Business English Certificate)	13/10/2018	546	Cambridge University
Bridge Course	18/06/2018	450	VIIT
CRT (4th year)	25/06/2018	157	VIIT
Speak Out	14/07/2018	110	VIIT
Personal Counseling	11/06/2018	609	VIIT
Face1 Training for 2020 Batch	05/12/2018	124	Face Acad
Face2 Training for 2020 Batch	20/02/2019	124	Face Acad
Technical Training for NonCCC Students	08/05/2019	40	Mission Ignite
Face3 Training for 2020 Batch	24/05/2019	101	Face Acad
Soft Skill Development (MBA)	21/05/2018	86	Training hub
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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
2018	CRT	1140	980	880	845

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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
28	28	4

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
73	998	845	000	0	50
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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	28	B.Tech	CE, EEE, ME, ECE, CSE	Join with reputed institutions of national and international importance	MS M.Tech
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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	12
NET	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Throw ball	National	96
Kho kho	Yuvatarang 2019(national)	60
Basket ball	Yuvatarang 2019(national)	168
Kabbadi	Yuvatarang 2019(national)	240
Volley ball	Yuvatarang 2019(national)	180
Cricket	Yuvatarang	640

	2019(national)	
Badminton(single)	Yuvatarang 2019(national)	30
Badminton(double)	Yuvatarang 2019(national)	20
Table tennis	Yuvatarang 2019(national)	20
Throw ball(faculty)	Yuvatarang 2019(national)	96
Badminton(singledouble)	Yuvatarang 2019(national)	20
Kabbadi	Yuvatarang 2019(national)	48
Volley ball	Yuvatarang 2019(national)	72
Cricket	Yuvatarang 2019(national)	96
Badminton	Yuvatarang 2019(national)	20
Athletics	Yuvatarang 2019(national)	35
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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	JNTUK Team Selected	National	1	0	17L31A0419	A.Navya Bharathi
2019	JNTUK Team Selected	National	1	0	17L31A05K8	J Mounika
2019	JNTUK Team Selected	National	1	0	15L31A04C1	P. Ajay Kumar
2019	JNTUK Team Selected	National	1	0	18L31A03M8	B Ragavendra
2018	JNTUK Team Selected	National	1	0	18L35A0123	G. D. Santosh Mouli
2018	JNTUK Team Selected	National	1	0	17L31A02K8	Setty Rajsekhar Sonia
2018	JNTUK Team	National	1	0	17L31A03L3	Ravi Prakash

	Selected					Singh
2018	JNTUK Team Selected	National	1	0	16L35A0228	V. Tejaswani
2018	JNTUK Team Selected	National	1	0	16L31A0124	G. Praveen Kumar
2018	JNTUK Team Selected	National	1	0	16L31A1931	S. Yeswanth
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Conducting student extra-curricular activities NSS Activities connecting to social responsibility Socio-Cultural activities Clubs - for all round development of students Activities relating to the student social responsibility UBA- Adoption of villages

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

No. Of registered Alumni: 01 Meetings/activities organized by Alumni Association : 02

5.4.2 – No. of registered Alumni:

1

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

02

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)

Participative management: 1.Chairman, Rector, CEO will be addressing the faculty and students regularly about various issues like concerns of the students, regulatory of students, pass percentage of students, welfare facilities for students and staff, sports, Research and infrastructural facilities etc.,. 2. Frequent meeting with the Principal, Deans's, HOD's and Coordinators were conducted regularly to discuss about the TLP, Research and quality maintenance etc.,

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
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Teaching and Learning	<p>The institute is one among the popular Engineering colleges conducting orientation in a systematic way in order to create awareness of the functions and roles of parents, students and institute to develop the student to a complete professional. In the process of student centered the institute is having an effective academic plan and also deploying effective methods of teaching. The institute is having defined and detailed academic plan as a part of academic calendar created for every program and every course defining every activity and the same is disseminated in all the class rooms across the notice boards .The institute deploys effective methods of teaching in teaching learning process like demonstrative method, interactive method ,seminars, power point presentation apart from Lecture Method. The detailed plan of teaching is very systematic and the process will continue in compliance with the plan. The process of delivering the content ,the faculty uses effective teaching learning aids and resources. Every program will have its program wise outcomes, objectives and will be disseminated across all the departments for every program. To understand the program wise objectives the departments would conduct awareness sessions across student community for all the departments in order to meet the graduate attributes measure through program outcomes every course will have its own course outcomes and teaching learning process would be in compliance with course outcomes further in turn all the course outcomes would contribute to attain the program outcomes and finally the student community would reach Program Educational Objectives through effective teaching learning adopted in the institution</p>
Research and Development	<p>Objectives: 1. To promote students and the faculty to carry out research 2. To Encourage faculty to organize, attend and present research papers at state/national/international conferences and seminars. 3. To motivate Faculty and students to publish research publications in reputed national / international</p>

journals / conferences. Outcomes: 1.To work out projects for societal benefit with optimization

Human Resource Management

Efforts are made to ensure the optimal use of the available human resource of the college. Both the teaching and non teaching staff of the college are been provided with facilities for the enhancement of the teaching and the research skills. Following are the features of Human Resource Management: 1. Transparent and Documented Procedures for the faculty Recruitment. 2. Formulation and Communication of Policies of the college through indoctrination training. 3. Support for academic advancement. 4. Systematic Performance Appraisal system and guidance to the pupil concerned. 5. Systematic promotion policies. 6. Encourage nonteaching staff to improve their qualification. 7. Consensus administration with participative management

Industry Interaction / Collaboration

Objectives: 1.To establish MoUs with reputed core industries to enhance IndustryInstitute Interaction 2.To organize activities like industrial visits, inhand trainings, value added courses, guest lecturers etc Outcome: 1. To bridge gap between Institution and Industry 2. To make student employable

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

E-governace area	Details
No Data Entered/Not Applicable !!!	

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
2019	Mrs. Y. Sukanya	RF Design for EMC Applications	VIIT	2500
2018	Mrs. P. Suneetha	Anteena Design using Meta Materials	VIIT	5500
2018	Mrs. R. Aamani	Mixed Signal Cmos IC's Methodology of	VIIT	1500

		circuit to Chip Designer		
2018	S k sharma	Ercica(emerging research in computing,information,communicationand application)	VIIT	10000
2018	S k sharma	Icdssa(international conference on data sciences ,security and applications	VIIT	6000
2018	S k sharma	Icscsp(international conference on soft computing and signal processing)	VIIT	5000
2018	Dr.B.Prasada Rao	Workshop on Micro Sensor Design	VIIT	3000
2018	Dr.Pudi Sekhar	Workshop on Micro Sensor Design	VIIT	3000
2018	Mrs.K.K.Deepika	Three days hands on training program on Converters and controllers of PV systems (CCPVS2018)	VIIT	1500
2018	Ms. B.Jyothi	Three days hands on training program on Converters and controllers of PV systems (CCPVS2018)	VIIT	1500
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)

2018	National Workshop on elearning and MOOCs in Higher Education	NILL	18/08/2018	18/08/2018	6	0
2018	OBE	NILL	04/05/2018	06/05/2018	100	0
2018	FDP on Dassault systems3D experience	NILL	30/08/2018	01/09/2018	1	0
2019	outcome based education	NILL	01/06/2019	08/06/2019	100	0
2018	International certification program for OBE	NILL	24/02/2018	24/02/2018	30	0
2018	International certification program for OBE	NILL	03/03/2018	03/03/2018	30	0

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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
Hands on training in power electronics power systems using advanced analytical tools (PEPSAAT2018)	1	05/02/2018	09/02/2018	8
Real time Embedded systems and IOT and its applications	2	29/10/2018	03/11/2018	8
Faculty orientation programme	5	01/06/2019	08/06/2019	8
FDP – COUNSELLING	1	04/12/2018	06/12/2018	8

NPTEL (IOT) JULOCT 2018	2	02/07/2018	01/10/2018	8
OBE	11	01/06/2019	08/06/2019	8
Meta material applications and evolutionary techniques	1	22/04/2019	27/04/2019	8
RF Antenna Design for EMC Applications	1	28/01/2019	02/02/2019	8
Real Time Embedded systems and IoT,its applications	2	29/10/2018	03/11/2018	8
NPTEL (MBA)	2	28/01/2019	20/04/2019	8
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
56	56	22	22

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medical insurance, Fee concession for children, subsidised transport, Refreshment	Medical insurance, Fee concession for children, subsidised transport, Refreshment	Insurance, Mean Merit Scholarships

6.4 – Financial Management and Resource Mobilization

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

<p>There are two types of Internal Finance Audit: 1. Internal Audit by group auditors by of LES (Lavu Educational Society, Guntur): Kanniganti Associates, Guntur: Sri. K. Ranga Rao Dr. P. Chandu Sri. B. Raju Sri. Ismail Basha The above audit team conduct enumeration audit once in a month. They supposed to verify all the transactions both inflow and outflow. Finance Committee was formally constituted and met for the first time as per the recommendation of the Governing Body. Finance Committee of the institution shall be the key body which will monitor and manage the financial sustainability if the institution. Finance committee is an advisory body to the Governing Body and reports / recommends from time to time regarding the matters related to budget estimates, income from fees etc. The term of the members of the finance committee will be for two years and shall be reconstituted by the Principal.</p>
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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
NILL	0	0
No file uploaded.		

6.4.3 – Total corpus fund generated

100000.00

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	UGC Peer Team	Yes	Dean Academics
Administrative	Yes	UGC Peer Team	Yes	Dean Admin

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

• Effective Career Counseling • Attendance improvement • Skill upgradation • Social responsibility • Performance and improvement of the students(scholastic and non scholastic)

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

• Training for up gradation of Computer skills. • Workshop on laboratory experiments. • Training on finance and administrative Software's.

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

1. Industries connect to MOU's. 2. Research centres establishment, promotion of research and innovations. 3. Societal benefited activities. 4. Participation in Ranking

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – 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
2018	UGC Peer visit	09/09/2019	09/09/2019	09/09/2019	3
2019	IQAC coordinators meeting	30/08/2019	30/08/2019	30/08/2019	11
2019	IQAC coordinators meeting	28/08/2019	28/08/2019	28/08/2019	14
2019	IQAC internal meeting	07/08/2019	07/08/2019	07/08/2019	13
2019	IQAC attainment levels for NAAC	02/07/2019	02/07/2019	02/07/2019	26

2019	IQAC coordinators meeting	06/07/2019	06/07/2019	06/07/2019	5
2018	IQAC coordinators meeting	28/06/2019	28/06/2019	28/06/2019	14
2018	IQAC coordinators meeting	24/06/2019	24/06/2019	24/06/2019	14
2018	IQAC coordinators meeting	07/06/2019	07/06/2019	07/06/2019	7
2018	IQAC institute level meeting	11/05/2019	11/05/2019	11/05/2019	31
2018	IQAC coordinators meeting	08/05/2019	08/05/2019	08/05/2019	8
2018	IQAC coordinators meeting	23/04/2019	23/04/2019	23/04/2019	12
2018	IQAC internal meeting	16/03/2019	16/03/2019	16/03/2019	17
2018	IQAC coordinators meeting	15/03/2019	15/03/2019	15/03/2019	13
2018	IQAC coordinators meeting	13/03/2019	13/03/2019	13/03/2019	12
2018	IQAC coordinators meeting	11/03/2019	11/03/2019	11/03/2019	11
2018	IQAC internal meeting	21/02/2019	21/02/2019	21/02/2019	20
2018	IQAC coordinators meeting	06/02/2019	06/02/2019	06/02/2019	12
2018	IQAC coordinators meeting	25/01/2019	25/01/2019	25/01/2019	7
2018	IQAC institute level meeting	25/08/2018	25/08/2018	25/08/2018	20
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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
Womens Day Celebration	08/03/2019	08/03/2019	1050	0
Guest lecture on Health and Nutrition by Dr P Sudha Padmasri	02/04/2019	02/04/2019	1152	0

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
7080 by renewable energy source like solar energy systems.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	0
Special skill development for differently abled students	Yes	2

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
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Conduct – Professional Behaviour	05/06/2018	The code of conduct for students, faculty and staff has been circulated to all the stake holders

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			

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

1. E-Waste Management 2. Plantation 3. Waste Management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details . In its quest for excellence, the institution seeks continuous innovation for quality assurance in academic programs administration. Some of the mechanisms adopted are: 1. Semester long internship 2. Cam bridge English language program 3. Online courses for both faculty and students 4. Coding contests 5. E-Waste management 6. Add on courses from third year first semester onwards 7. Activities based on heritage and culture

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

www.vignaniit.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

• Life skill training programs • Engineering Exploration and Research • 100 ICT facilitated class rooms • Honouring the parents • Adaptation of villages • Means scholarships for students

Provide the weblink of the institution

www.vignaniit.edu.in

8.Future Plans of Actions for Next Academic Year

• Adaptation of fullfledged CBCS • To obtain Significant national level ranking • Set up laboratories in collaboration with Industry and incubation centres • Research facilities to produce qualitative research outcomes • Skill based teaching learning process • Recruitment of more number of Ph.D holders