



## Yearly Status Report - 2015-2016

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SHOBHIT INSTITUTE OF ENGINEERING AND TECHNOLOGY (Deemed to be University), Shobhit University
Name of the head of the Institution	Prof. D.V. Rai
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01212575091
Mobile no.	9411487534
Registered Email	vicechancellor@shobhituniversity.ac.in
Alternate Email	registrar@shobhituniversity.ac.in
Address	NH-58, Roorkee Road, Modipuram, Meerut
City/Town	Meerut
State/UT	Uttar pradesh
Pincode	250110

<b>2. Institutional Status</b>																			
University	Deemed																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Mr. K.L. Khanna																		
Phone no/Alternate Phone no.	01212575091																		
Mobile no.	7617505015																		
Registered Email	iqac.sum@shobhituniversity.ac.in																		
Alternate Email	registrar@shobhituniversity.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.shobhituniversity.ac.in/pdf/naac/aqar-2014-15.pdf">https://www.shobhituniversity.ac.in/pdf/naac/aqar-2014-15.pdf</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.shobhituniversity.ac.in/academic-calendar.php?utm_source=web_shobhituniversity&amp;utm_medium=official_site&amp;utm_campaign=academic-calendar">https://www.shobhituniversity.ac.in/academic-calendar.php?utm_source=web_shobhituniversity&amp;utm_medium=official_site&amp;utm_campaign=academic-calendar</a>																		
<b>5. Accrediation Details</b>																			
<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>2.12</td> <td>2015</td> <td>16-Nov-2015</td> <td>15-Nov-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.12	2015	16-Nov-2015	15-Nov-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.12	2015	16-Nov-2015	15-Nov-2020														
<b>6. Date of Establishment of IQAC</b>	08-Aug-2014																		
<b>7. Internal Quality Assurance System</b>																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by	Date & Duration			Number of participants/ beneficiaries															

IQAC		
Biomedical Imaging Techniques and Clinical applications	01-Feb-2016 1	152
<a href="#">View File</a>		

**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
Faculty	Award of Honor	Rastriya Jan Shakti Manch	2016 1	0
Faculty	Teacher's Excellence Award	Indian Education Network	2016 1	0
Faculty	Award of Honor	LLRM Medical College Meerut	2016 1	0
Faculty	Young scholar Award	Society of World Environment, Food & technology	2016 1	0
Faculty	Member (Life, No. 00174412)	Computer Society of India (CSI), India	2015 1	0
Faculty	Associate Member Fellow (AMIE, AM-1620579)	The Institution of Engineers (India)	2015 1	0
<a href="#">View File</a>				

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

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 File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

Yes

If yes, mention the amount	319000
Year	2015

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

Innovative measures and changes in curriculum. Apart from facilitating postgraduate education program in a manner that all students have opportunities to access several disciplines in all knowledge areas, the university also has vibrant research areas, not oriented towards any particular department, but built around thematic concerns. This has enabled researchers from several disciplines to work together and share knowledge and information. The University is constantly striving and progressing to achieve excellence in academic and research fields. The University has identified a number of thrust areas, relevant to the geographical location, which are of social relevance and are required to be prioritized.

Induction program to students. The IQAC has recommended to the University to organize an induction course for student in which following orientation is provided: LifeSkills training to the students to make them aware about the general qualities a learner ought to possess. Universally acclaimed ten core skills approved by the WHO and included in CBSE are reiterated in this training: 1. Selfawareness 2. Empathy 3. Critical thinking 4. Creative thinking 5. Decision making 6. Problem Solving 7. Effective communication 8. Interpersonal relationship 9. Coping with stress 10. Coping with emotion. Duration: One week.

Quality Research and Publication. The IQAC ensures that the Research activities are supported at every level. The faculty members are allowed to avail the facilities and utilize University resources for the same. Publications/ presentation of research work are encouraged by providing financial assistance, leave and allied facilities.

Periodical meetings with staff members are initiated to formulate the plan of action. The implementation of action plans are reviewed in the subsequent meetings.

Audit to monitor and ensure the quality of student's activities, department activities and staff members for periodic assessment for timely, efficient and progressive performance of academic task.

[View File](#)

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

Plan of Action	Achivements/Outcomes
Course Plans to implement as per Academic calendar	Implemented properly as per schedule
To Enhance Industry Academia Interaction	Placement percentage increased

To take feedback from all Stake Holders	Feedback Collected and analysed				
To increase quality research publications.	Quality of research improved				
<a href="#">View File</a>					
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Academic Council</td> <td style="text-align: center;">20-Aug-2016</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Academic Council	20-Aug-2016
Name of Statutory Body	Meeting Date				
Academic Council	20-Aug-2016				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes				
Date of Visit	05-Nov-2015				
<b>16. Whether institutional data submitted to AISHE:</b>	No				
<b>17. Does the Institution have Management Information System ?</b>	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Shobhit University has implemented Management Information System majorly in all the processes since 2006. The entire functioning of the university including Finance, Student Registration, Examinations, Counselling Services, and Feedback System are run on different Software. The student can login via university website from anywhere to avail essential services relevant information like Results, Fee payments, academic notifications etc. The admissions process is automated and transparent right round the clock from the Application stage to the allotment of seats. The application can be submitted online through the website with payment gateway integration for the application fee. All the payments including Fees can be paid online. Ledger records are maintained electronically through Tally. All vendor payments are done through RTGS. Library is automated using Integrated Library Management System (ILMS) and has digitisation facility. KOHA is open source and fully customizable, Supports emerging standards like NCIP, MARCXML, DCMES, METS. Supports sophisticated</p>				

search features - Boolean, Relational and Positional operators. An integrated library system (ILS), also known as a library management system (LMS), is an enterprise resource planning system for a library, used to track items owned, orders made, bills paid, and patrons who have borrowed. The ILS usually comprises a relational database, software to interact with that database, and two graphical user interfaces (one for patrons, one for staff). Most ILS separate software functions into discrete programs called modules, each of them integrated with a unified interface. Examples of modules might include: Acquisitions (ordering, receiving, and invoicing materials), cataloging (classifying and indexing materials), Circulation (lending materials to patrons and receiving them back), Serials (tracking magazine, journals, and newspaper holdings), Online public access cataloger OPAC (public user interface). Many applications reduce a major portion of manual data entry by populating data fields based upon the entered ISBN using MARC standards technology via the Internet. Users of IT resources are responsible to protect the confidentiality of the information to which they have access. Students and other users access IT resources to which they have authorization and are required to protect the privacy of passwords to prevent access by unauthorized users. All users are prohibited from using IT resources in a manner that is construed by another as hateful, threatening or harassing. Information Technology resources refer to all computers and communication facilities, service and resources including but not limited to networking devices, email service, wireless devices and any associated peripherals and software that are owned, managed maintained by University.

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
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BTech	06UGBCS	Computer Science and Engineering	01/07/2015
BTech	07UGBEC	Electronics and Communication	01/07/2015
BTech	07UGBME	Mechanical	01/07/2015
BTech	07UGBEE	Electrical Engineering	01/07/2015
BTech	12UGBCE	Civil Engineering	01/07/2015
<a href="#">View File</a>			

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	Biomedical, Biotechnology	02/06/2016	Biomedical and Radiology, BM-462	02/06/2016
BTech	Electronics and Communication	01/06/2016	Instrumentation skill enhancement and development, EC-462	01/06/2016
BTech	Electrical, Electronics and Communication, Electrical Engineering, Computer Science and Engineering	11/04/2016	Real Time Implementation of Digital Circuits, EE-462	11/04/2016
BTech	AI, BM,BT, CSE, CE, ECE, EEE & ME	24/07/2015	Communication and Soft Skills , HSS-101	24/07/2015
<a href="#">View File</a>				

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
PhD or DPhil	Law & Education	25/07/2015
Integrated(UG)	B.Com. LL.B	25/07/2015
Integrated(UG)	BBA. LL.B	25/07/2015
<a href="#">View File</a>		

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	ME, CS, ECE, BT, BM, AI, EE and CE	25/08/2015

MBA	HR, Finance , Marketing , International Business, Operations, IT and Entrepreneurship	25/07/2015
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### 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
Training on "Biomedical and Radiology"	02/06/2016	48
Instrumentation skill enhancement and development	01/06/2016	32
Real Time Implementation of Digital Circuits	11/04/2016	19
<a href="#">View File</a>		

#### 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	ME, CS, ECE, BT, BM, EE & MT	182
MCA	Computer Application	9
MSc	Biotechnology & Electronics	7
MBA	HR, Finance, Marketing & Agri-Business	58
<a href="#">View File</a>		

### 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)

Feedback Obtained
<p>The university has been constantly striving to enhance academic standards and improve the quality of the campus. The university strongly believes in maintaining high teaching standards to facilitate students perform to the best of their potential. The University collects feedback on curriculum and courses from different stakeholders such as students, alumni and faculty. Once the feedback is collected it is analyzed and suggestions given by different stakeholders are considered and incorporated into syllabus in form of relevant contents, components, activities and facilities for overall development of the institute. Curriculum was restructured with program outcomes and program</p>



specific outcomes to meet the learning objectives and course outcomes of each course. In addition to this Summer Internship Project, Live Projects and Social projects were introduced for students to give more practical exposure to the students and inculcate the social responsibility in students. In addition, feedback was also helpful in planning other activities, e.g. internship, co-curricular activities, special lectures etc. Apart from the academic front, it also helped in improving the administrative activities. Counselling cell is in place to support the development of communication and soft skills in the students. In addition to that career guidance program is also designed to guide students. Learning Management System through interactive activities which enables the mutual interaction between faculty and student was encouraged. Smart Class rooms, Video conferencing etc. was made effective by use of ICT .Talks on Corporate Social Responsibility and Skill India were organized. Various activities, workshops and seminars were conducted on Personal Development, Skill Development, International Yoga Day, Swacch Bharat Abhiyan. The Institute Library is equipped with INFLIBNET, DELNET and other E resources to meet the current requirement of the students to enable efficient learning. Each Department has the Board of Studies (BoS) meeting. Feedback given by the subject faculties were put forward to the committee for consideration and the recommendations were implemented. Regular meetings and workshops were conducted at the department level and the inputs received were documented and suggestions taken forward to be implemented in the BOS meetings. MOUs/Agreements were signed with Universities and reputed institutions to enrich research experience and facilitate faculty and student exchange program in India and abroad. Enhanced research activities by conducting Research Convention, Research methodology workshops, International Conference were organized. Students were encouraged to take up application projects. Entrepreneurial skills of the students were encouraged by providing Entrepreneurship as one of the specialization course for MBA students. Communication skills training, career action coaching management training, leadership training were given to the students which were suggested by the alumni of the institute. Capacity building programmes were organized for both teaching and non-teaching staff. Institute increased soft skill training focused more on participative games and team building. Invited resource persons from industries were made to address the students to give more exposure on industry awareness. Intensive training on aptitude training was planned for the next academic year. Thus the feedback given by the stakeholders were analyzed and suitable action was taken so as to satisfy the expectations

## 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
LLB	Law	120	144	94
<a href="#">View File</a>				

### 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

2015	1097	159	38	22	73
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## 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
133	125	14	54	2	12
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

To fill the gap between teachers and students, mentor mentees system makes a bridge to enhance the performance of students along with to minimize the dropout rate and encourage the students to make them advanced learner. Our goal in creating this system is to provide a resource for faculty members to improve their relationships with their students and their effectiveness in working with them. The students are offered Counseling sessions through our specialised Counsellors as well as mentors allotted by the institutes. These mentors and counsellors are responsible for academic counselling and psychological counselling respectively. Majorly counselling is offered in two core areas: career and personal. These mentors are allotted for different purposes like summer internship projects, major research projects, seminar presentations, class coordinators, activity and event coordination. This is to help the students in grooming and holistic development of their personalities. The areas in which counselling is done are as follows. 1. Summer internship project- Mentors help mentees with topic selection, guidance related to industry selection, help with the project write-up and these students are regularly required to update mentors about the progress of projects in the industry. They keep in touch with mentors either with mail or telephonic updates. 2. Major Research Project – In this project also mentors help mentees to select topics for the research. Mentor guide at every step like writing of synopsis, questionnaire designing, data analysis, and final submission of the report. 3. Seminar presentation: Mentor allot topics for the seminar presentation and help students to complete their write-ups and help prepare for presentation in a creative way. Mentor maintains all the records related to their mentees in Mentee Information Form along with their performance (e.g. attendance records, weekly test marks, midterm marks etc.) so that he/she can guide them or counsel them accordingly. If a student is identified as having weakness in particular subject, it is the duty of the Mentor to apprise the concerned subject teacher to arrange remedial classes. This system is adapted for the value additions to the students, such as: Bridging the gap between the teachers and students, Creation of a better environment in University for both educational and personal guidance, Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication, Awareness and support to students for all the competitive examinations, Motivation for higher studies and entrepreneurship, Advice and support for improvement in academic performance, Morale enhancing for interviews: Major concern of students related to placements deal with job interviews and group discussions. Our counsellors/mentors help them prepare for the same. Finally, both mentee and mentor may redefine their relationship as one of equals, characterized over time by informal contact and mutual assistance, thus becoming true professional colleagues. The Steps initiated by the University are always student centric.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1256	133	1:9

## 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
145	133	12	3	34

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
2016	Dr. Niraj Singhal	Professor	Life Member of Computer Society of India
2016	Dr Siddharth Nandan Rahul	Assistant Professor	Young scholar Award, from society of World Environment, Food
2016	Dr. Jyoti Sharma	Professor	Award of honour ,Editor in Indian association of Biomedical Scientist (IABMS).
2016	Dr Jayanand	Professor	Award of Honor by Rastriya Jan Shakti Manch (India) 2016
2016	Dr Jayanand	Professor	Teacher's Excellence Award by Indian Education Network 2016
2016	Dr Jayanand	Professor	Award of Honor by LLRM Medical College Meerut.
2016	Dr. Niraj Singhal	Professor	Associate member (AMIE, AM-1620579), The Institution of Engineers (India).
<a href="#">View File</a>			

## 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	XX	1st, 3rd, 5th, 7th	29/12/2015	04/01/2016
<a href="#">View File</a>				

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
1	1256	0.07

## 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)

**No Data Entered/Not Applicable !!!**

### 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
XX	BTech	CS, ECE, MT, ME, AI, EE, BT and BM	210	182	86.67
<a href="#">View File</a>					

### 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://www.shobhituniversity.ac.in/pdf/naac/NAAC-SSS-2015-16.pdf>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Nida Murtza	Australian Scholarship	01/10/2015	Queensland University and Technology, Australia
<a href="#">View File</a>				

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

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRF	730	UGC
SRF	1095	DST
Research Associates	365	Shobhit Institute of Engineering and Technology (Deemed to be University)
<a href="#">View File</a>		

### 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
Any Other (Specify)	1	Bank of India, Noida	0.5	0.5
Any Other (Specify)	1	Creanovation Lab. Pvt. Ltd	0.5	0.5
Any Other	1	Axico Health	0.49	0.49

(Specify)		Care Pvt. Ltd		
Any Other (Specify)	1	Shiva Construction	1	1
Any Other (Specify)	1	Indian Rubber Manufacturer Research Association	0.2	0.2
<a href="#">View File</a>				

### 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
Exploring the World of Science	School of Engineering and Technology	15/01/2016
<a href="#">View File</a>		

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
Award of Honor	Dr. Jayanand	LLRM Medical College Meerut	13/02/2016	Research
Teacher's Excellence Award	Dr. Jayanand	Indian Education Network	26/03/2016	Teaching and Research
Award of Honor	Dr. Jayanand	Rastriya Jan Shakti Manch	12/02/2016	Research
NAAC accreditation	Shobhit Institute of Engineering and Technology (Deemed to be University)	National Assessment and Accreditation Council	16/11/2015	Grade Indicator B and Performance Descriptor, Good
Ranked among top 20 Multi-Disciplinary Universities of North India	Shobhit Institute of Engineering and Technology (Deemed to be University)	Hansa-The Week	30/05/2016	Ranked among top 20 Multi-Disciplinary Universities of North India, Higher Education Survey
Young scholar Award	Dr. Siddharth N. Rahul	Society of World Environment, Food technology	14/05/2016	Research
Ranked among top 20 Multi-Disciplinary Non-Government Universities	Shobhit Institute of Engineering and Technology (Deemed to be University)	Hansa-The Week	30/12/2016	Ranked among top 20 Multi-Disciplinary Non-Government Universities, Higher Education Survey

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Entrepreneurship Cell	SUM e-Cell	Shobhit Institute of Engineering and Technology (Deemed to be University)	Entrepreneurship Cell	Entrepreneurship	24/07/2015

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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
Department of Pharmaceutical Sciences	1
Department of Biotechnology	1
Department of Biomedical	1
Department of Bio-Informatics	3
Department of Agri-Informatics	1
Department of Computer Science and Engineering	2
Department of electronics and Communication Engineering	2
Department of Management and Business studies	1

#### 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	AI, BT, BM, CSE, CE, ECE, EE, ME, MBA, MCA, LAW, Edu., Basic and Applied Science Pharma.	114	1.45

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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
AI, BT, BM, CSE, CE, ECE, EE, ME, MBA, MCA, LAW, Edu., Basic and Applied Science and Pharma.	146

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#### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Nil	Nil	0	01/01/2015
No file uploaded.			

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
Boron toxicity induces altered expression of miRNAs in French bean	Jyothi M.N, Rai D.V and Nagesh babu.R	Physiology and Molecular Biology of Plants	2015	1.77	Shobhit Institute of Engineering Technology	12
<a href="#">View File</a>						

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
Antibacterial finish of textile using papaya peels derived silver nanoparticles	Rashi Agarwal, Neelam Garg, Sonu Kashyap, R. P. Chauhan	Indian Journal of Fibre and Textile Research	2015	88	32	Shobhit Institute of Engineering Technology
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	16	27	8	9
Presented papers	37	54	21	27
Resource persons	8	12	6	14
<a href="#">View File</a>				

**3.5 – Consultancy**

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
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Department of Biomedical Engineering	Biomedical and Radiology	Shobhit Institute of Engineering and Technology (Deemed to be University)	4800
<a href="#">View File</a>			

### 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
Department of Electronics and Communication Engineering	Real Time Implementation of Digital Circuits	Training	9500	19
<a href="#">View File</a>				

### 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
Blood Donation Camp	Shobhit Institute of Engineering and Technology (Deemed to be University)	11	119
Health Check-up Camp	Shobhit Institute of Engineering and Technology (Deemed to be University)	12	54
<a href="#">View File</a>			

#### 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
Blood Donation Camp	Recognition	LLRM, Meerut	58
Health Check-up Camp	Recognition	Indra Singh Maithana Village, Meerut, U.P.	262
<a href="#">View File</a>			

#### 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
Swacch Bharat Abhiyan	Shobhit Institute of Engineering and Technology	Cleaning of local premises	112	432



	(Deemed to be University)			
Yoga camp	Shobhit Institute of Engineering and Technology (Deemed to be University)	Organised for University employees and local people	98	183
<a href="#">View File</a>				

### 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
Take for Good Ideas for Good India	Microsoft India, Shobhit Institute of Engineering and Technology (Deemed to be University)	Microsoft India	1
<a href="#">View File</a>			

#### 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
Academia- Industry collaboration	Internship	Maxflow Pumps India Pvt. Ltd. Hamiron Stm Development Bizzol Pvt.Ltd., Noida Intellect Support Services Pvt.Ltd. Unicode, Tanzania Gajraj Developers Pvt. Ltd. Dues Bank India AMTEK RINGS GEARS LTD. DHARUHER REWARI Gamon India Intuch Biosol Healthcar	25/01/2016	09/07/2016	573

[View File](#)

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Cyber Security Integrations (India) Pvt. Ltd., New Delhi	12/09/2015	To explore modalities for working together to utilize the contents of CSI IPL Courses for imparting world class Cyber Security Education/Skill enhancement training to the University students.	11
NSG Solutions Com. Pvt. Ltd.	12/09/2015	To foster the research collaboration between University and concerned Industry.	5
MoU between Shobhit University, Meerut and Agricultural Growth of Rural India (AGRI)	04/12/2015	To enhance the academic knowledge and practical expertise in the area of Agribusiness Management and to facilitate mutual cooperation between the parties in promoting designing and delivering quality academic output and capacity building programmes	4
Telecom Sector Skill Council (TSSC)	22/12/2015	Introduce skill based programmes in all the courses/programmes offered by the University. The skill based programmes will be introduced in UG Courses(3rd 4th Year) and PG courses(1st and 2nd Year) respectively.	8

Indigram Labs , 902, Surya Kiran Building, KG Marg, Connaught Place, New Delhi-30	04/03/2016	To incubate, accelerate organizations focusing on Technology in Agriculture, Education and Skills, Rural Focused Health and Wellness initiatives and clean energy and automation for Rural and Urban people and to create an incubation center at Shobhit	10
<a href="#">View File</a>			

## 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
20	17.24

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
<a href="#">View File</a>	

### 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
Koha Software	Fully	Core-2	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Library Automation	Nill	Nill	1	89768	1	89768
Text Books	40126	20063000	360	180000	40486	20243000

Reference Books	6222	3111000	106	53000	6328	3164000
Journals	113	113000	25	25000	138	138000
CD & Video	1165	5825	103	515	1268	6340
e-Books	149000	11500	4500000	2788800	4649000	2800300
e-Journals	1546	11500	4500000	126500	4501546	138000
<a href="#">View File</a>						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	Nil	01/01/2015
<a href="#">View File</a>			

#### 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	500	10	500	3	7	40	12	256	121
Added	0	0	0	0	0	0	0	0	9
<b>Total</b>	<b>500</b>	<b>10</b>	<b>500</b>	<b>3</b>	<b>7</b>	<b>40</b>	<b>12</b>	<b>256</b>	<b>130</b>

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

256 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
Scanner, Internet, Wi-Fi etc.	<a href="https://www.shobhituniversity.ac.in/infrastructure.php">https://www.shobhituniversity.ac.in/infrastructure.php</a>

#### 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
50	45.35	60	55.43

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

The University ensures the optimal allocation and utilization of the available financial resources for maintenance and upkeep of different facilities by holding regular meetings of committees constituted for this purpose and utilizing the grants accordingly. The University constitutes a committee that oversees the maintenance of buildings, classrooms and laboratories. The Supervisor is accountable to the Registrar and functions as the coordinator who efficiently organizes the workforce, maintaining duty files, timings, leave etc. The maintenance officer conducts periodic checks to ensure the working condition of the infrastructure. Classrooms, Staffrooms, Seminar halls, and Washrooms etc. are cleaned and maintained regularly by non-teaching staff. Dustbins are placed at every floor. The Green Cover of the campus is well maintained by a fulltime gardener. Laboratory Lab technicians maintain the records which are supervised by HODs of the concerned departments.

Other measures are as follows: • The lab equipment's are periodically calibrated, and maintained by the technicians of concerned enterprises. • There is systematic disposal of waste of all types such as biodegradable chemical/chemical and waste. Each department prepares the list of required books and the finalized list is duly approved and signed by the Principal. LAN facility is available in the library and computers are upgraded with the recent software. Every year in the beginning of session, students are motivated to register themselves in library to use DELNET INFLIBNET. • It is mandatory to return the books in due amount of time. Sports: Sport incharge for the maintenance of the sports club. Computers Centralized computer laboratory are available and are maintained through AMC regularly and no repairable systems are disposed off. The University has adequate number of the computers with internet connections and the utility software is distributed in different locale like office, laboratories, library, departments etc. The classrooms boards and furniture facilities are utilized regularly by the students but sometime it is also made available for the other governmental and the nongovernmental organizations for conducting the exams. Cleanliness of class rooms is maintained on regular basis a complaint register is maintained in office in which students as well as faculty can register their problems which are resolved within a set time frame. University Mission has its own workshop where the machines can repair without any charges. Parking facility is well organized. The campus maintenance is monitored through surveillance Cameras. Every department maintains a stock register which is inspected and verified at the end of every semester. The requirements are collectively processed in every semester break so as to keep things ready for the new semester.

<https://www.shobhituniversity.ac.in>

## 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	Meritorious Scholarship	112	2220000
Financial Support from Other Sources			
a) National	Bihar Govt. Scholarship	3	300000
b) International	Nil	Nil	0

[View File](#)

#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial

coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Skill development programme Microsoft Azure Workshop	26/02/2016	78	Microsoft
<a href="#">View File</a>			

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
2016	Career Counseling and University Training and development cell	42	215	4	75
<a href="#">View File</a>					

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
9	9	3

## 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
Maxflow Pumps India Pvt. Ltd.	41	7	ABB LTD.	3	1
<a href="#">View File</a>					

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
2015	2	B.Tech.	Mechanical Engineering	Shobhit Institute of Engineering and Technology (Deemed to	M.Tech.

				be University)	
2015	1	B.Tech.	Electronics Communicatio n Engineering	University of Houston- Clear Lake	MS
<a href="#">View File</a>					

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	2
TOFEL	1
Any Other	17
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Republic Day	Annual	178
Independence Day	Annual	315
Farewell Party	Annual	153
Freshers Party	Annual	244
Spic Macay	Annual	115
Anubhav Reunion	Annual	160
Sangeetam	National level cultural fest	657
Annual Sports Meet	Annual	672
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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
2015	Nil	Nill	Nill	Nill	Nil	Nil
<a href="#">View File</a>						

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

The institution promotes inclusive practices for social justice and better stakeholder relationships. The institution promotes value-based education for inculcating social responsibility and good citizenry amongst its student community. The University has the required infrastructure and promotes active participation of the students in social, cultural and leisure activities. Encouraging students' participation in activities facilitates developing various skills and competencies and foster holistic development. The University ensures overall development of students, and for that reason the university

provides all facilities for sports and recreation. Such facilities improve the quality of life on campus for the entire community strengthen ties between and among students, faculty and staff provide opportunities for participation in sport clubs, recreational fitness and wellness programs and informal recreation help reduce the stress experienced by those who live, work and study in the university and improve the health and well-being of the campus community. The University is having an indoor stadium with facilities like squash court, fitness centre cum gymnasium, TT room, Badminton Courts. For outdoor game lovers facilities like Basketball court, football ground, cricket pitch, throw ball and handball courts are available. Students are also encouraged to join morning yoga sessions. Every year a sports week is celebrated where students from other institutes are also invited to compete with University students. All indoor facilities are provided on Babu Vijendra Indoor Stadium Block. A number of literary and social activities also take place on the campus, University's Annual Fest SANGEETAM is one of the biggest cultural events on the campus every year. In addition, music, dance and other events through SpicMacay are organized regularly. All Departments have active student's participation in their activities. Different Student bodies enrich the functioning of the University. Cultural and Sports Committees students have strong representations in all cultural and sports and games committees and help in organization and management of events. Students are involved in various activities through several clubs/committees viz. sports Health club, Electronics club, Cultural Heritage Club, Creative activity Club, Yoga Club, Computer Club, Spic Macay, Literacy Club, Fine Arts Club, Bio-Cosmo Club. Hostel Administration Students provide strong support in the administration and management of hostel affairs. Each hostel has student representatives for Mess Committee, Cultural Committee, Sports Committee and Cleanliness Committee. Students manage the entire functioning of the cooperative mess and organize extra-curricular events and competitions throughout the year. Students organize and celebrate various National festivals, Teachers day etc. every year.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

3015

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

161000

5.4.4 – Meetings/activities organized by Alumni Association :

The University forged strong bondage with Alumni - which enabled regular alumni interaction and participation of alumni in the activities of the University. Many Alumni have participated in various activities of the University since then. Alumni are the brand ambassadors of an institution, carrying their core values of excellence, lifelong learning of inclusiveness and diversity all around the world. The ethos and character of the institutions are expressed into their professional and social life style. Alumni play a crucial role not only in spreading the name of the institution but also raise the quality of the institution that they hail from. They can provide sustainability to the parent institutions through both by imparting training in innovative skills to their Alma mater and by extra mural funding which are so necessary for the growth and development of any modern institution. Regular meetings of Alumni association are held to interact with them. The University forged strong bondage with



alumni - which enabled regular alumni interaction and participation of alumni in the activities of the University. Many Alumni have participated in various activities of the University since then.

## 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)

SU Management is having dynamic leadership quality and does not interfere in the routine academic activities and all the powers are decentralized and delegated to all the authorities of the University and this decentralization is visible and evident in the University. The act status, rules regulations and procedures are clearly stated and implemented. University delegate authority and provide operational autonomy to all the functionaries to work towards decentralized governance system.

1. Dean/Director Level Departments are requested to present their Annual Action Plan at the beginning of every academic year with a clear-cut roadmap. Departmental level matters are discussed by the HOD with the faculty team in consultation with the Dean/Director.

2. Faculty and Student Level :Faculty members and Students are given representation in various committees/cells and encouraged to develop leadership skills by being incharge of various academic, cocurricular, and extracurricular activities and have authority to conduct industrial tours and to have tie up with industry experts, appointed as coordinator and convener for organizing seminars/ workshops/ conferences/ FDPs.

Participative Management In a visible participative management, the Chancellor takes the lead in driving the university in all its activities such as Academic Activities, Collaborations with National and International Organizations, Exchange Programs, Tie Ups with Industries for on Job Training, encouraging facilities to undertake research and incentives are provided. Management is always involved in all the welfare activities of University including financial support, fee relaxations and other medical benefits. The institute promotes a culture of participative management by involving the staff and students in various activities.

Strategic Level • The Dean, Director, Academic Coordinators and Staff Members are involved in coordination with IQAC in defining the policies and procedures, framing guidelines and rules regulations pertaining to admission, placement, discipline, grievance, counseling, training development, and library services etc. • During various programs to be conducted by the institute all the staff members meet, discuss, share their opinion and plan for the event and form various committees involving students and coordinate with others. • Staff members are also involved in deciding academic activities and examinations to be conducted by the college.

Functional Level • Faculty members participate in sharing the knowledge on the latest trends in technology during faculty meetings. • Staff members actively participate in implementing the policies, procedures, and framework in order to maintain and achieve the quality standards. • Office staffs are involved in executing day

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

Partial

### 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
Admission of Students	The Admission Committee constituted for the purpose is entrusted with the task of monitoring the admission

process. In case of UG programs, admission process is managed by the Institute and admission are made on the basis of merit. • Students from all sections of society irrespective of caste, creed, class and gender are admitted thereby keeping to the objective of education for all. •For financial matters of the admission, all the payment process is also done online courses. The University encourages applications from applicants from all backgrounds and it consistently evaluates the potential of each applicant individually and on their own merits. The University follows a transparent, merit based admission policy. Admissions in all programs are offered through counseling to the eligible candidates.

Teaching and Learning

•Feedback from the stakeholders are incorporated in teaching-learning process. •Continuous upgradation of infrastructure and resources/ICT faculties. •Exposure through field work in teaching learning process•Promoting to use of ICT / equipment. •Maximum use of the ICT in teaching learning process. 6. Presentation, Discussion method, peered learning are applied in the class room teaching to make learning effective. •Faculty is encouraged to develop e-content. •Various orientation /seminars educational programmes/ symposia and conferences are organized by the institutions as per the course to equipped the students to get knowledge of the subject environment. The University reviews the requirements and accordingly plans out the infrastructure to promote conducive teaching and learning environment. Accordingly the new law building is being constructed which encompasses smart class rooms, moot court halls and departmental library. The building will also have space for various centres of the university. The present infrastructure fulfills the present requirements. However, a new plan is afoot which will take care of all the future needs of the university depending on its future vision, establishment of new departments, laboratories, facilities and growth.

Research and Development

The University believes in continuous

research and development of its intellectual capital. This is monitored with the help of the research committee which motivates the faculty members to submit research projects to various funding agencies and renders adequate help in the preparation of project proposals. Faculty members are also expected to conduct training programs and take up consultancy assignments for corporate houses. The faculty members are sponsored for attending seminars, conferences, quality initiative programmes and workshops twice in a year. The institute regularly organizes Conferences, Seminars Faculty Development programs, and academic forums to provide in-house facility to all the faculty members.

Curriculum Development

- Stake Holder's Feedback, its analysis and flowback of information
- Eminent people from industry, alumni, PG students, Research scholars, Employees, HODs of interdisciplinary programmes, form the constitution of the BOS.
- Curriculum Revision In BOS
- Skill Based Learning: University introduce a variety of courses in order to enhance, environment, entrepreneurial as well as social skill based curriculum for the students The items recommended by the BOS is validated by the IQAC and sent back to the BOS for corrective actions, before approval of the Academic Council.

Examination and Evaluation

Continuous Internal Assessment System is designed to give freedom to faculties to decide on their internal assessments.

- Departmental Examination Committee decide nature of assessment like Quiz, MCQs, Field visits, mini projects, Team projects, Seminar, etc.
- Academic Calendar is prepared with dates of Internal Assessment and End Term examinations.
- The Office of the COE has its own examination procedure manual which was drafted in consultation of VC, Registrar, and all Academic Heads.
- All matters (except confidential matters) are being updated to the Deans/HODs/Faculty Members through regular Office Notifications/Circulars/Orders.
- Results are declared within Stipulated time of the last examination.

Industry Interaction / Collaboration

- Curriculum is designed in coordination and suggestions with

Academia and Industry particularly in case of technical and professional programs. • Last semester of programs is dedicated to industrial training, On Job Training, Project Work, Exchange Programs and Interface with the Industry. • University collaborates with reputed Corporates and International Institutions. • Establishment of Corporate Training cell. • Field Visits / Industry visits for faculty and students. • Industry Personnel as representatives in BOS and Academic Council. • Research Centers in collaboration with industries. • Laboratory set up in collaboration with industries and institutions.

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

E-governance area	Details
Finance and Accounts	Management of all finance and account details.
Administration	For management of administrative related details.
Student Admission and Support	For support of Student Admission and Support.
Examination	For examination of students.

### 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
2015	Ms. Surbhi Singh	5th National Conference on Emerging Trends in Science, Engineering, Technology and Management: Research and Development (CICON-2015)	Nil	1000
2015	Dr. Niraj Singhal	5th National Conference on Emerging Trends in Science, Engineering, Technology and Management: Research and Development (CICON-2015)	Nil	1000

[View File](#)

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2016	Workshop	Motivation Personality Development	12/03/2016	12/03/2016	59	7
2016	Conference	Recent Trends of Diagnostic and Therapeutic Practices to Beat Diabetes	07/04/2016	07/04/2016	96	12
2015	Conference	5th National Conference on Emerging Trends in Science, Engineering, Technology and Management: Research and Development (CICON-2015)	12/09/2015	12/09/2015	114	16

[View File](#)

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
National Conference CICON-2015	114	12/09/2015	12/09/2015	1
National Conference on Ageing	3	28/11/2015	29/11/2015	2
2nd	1	26/02/2016	27/02/2016	2

International Conference on Recent Development in Computational and Information Technology				
Motivation and Personality Development	59	12/03/2016	12/03/2016	1
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
130	133	68	71

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>The University provides welfare facilities to its employees to keep their motivation levels high. The welfare schemes available for teaching staff in the University are as follows: a) Free of cost health checkups and medication in health center. b) Provision of financial assistance for health related emergencies. c) Provision of maternity leave to female employees and paternity leave to male employees as per university norms. d) Provision of advance salary in case of emergency Situations e) Provision of required facilities to the family of a University employee who dies while in service. f) Provision of Professional training sponsorships. g) Financial assistance to the Teachers of the University for attending the National/International Conferences/Seminars. h) Subsidized</p>	<p>The welfare schemes available for non-teaching staff in the University are as follows: a) Benefit of Provident Fund and Group Insurance Scheme for the employees. b) Free of cost health checkups and medication in health center. c) Provision of financial assistance for health related emergencies. d) Provision of maternity leave to female employees and paternity leave to male employees as per university norms. e) Provision of advance salary f) Provision of required facilities to the family of a University employee who dies while in service. g) Provision of Skill up gradation sponsorships. h) Internet/Wi-Fi facility to all the Staff. i) Other facilities such as University Residences, Timely promotions, Salary through Bank, Indoor/Outdoor Sports Facility, Mobile</p>	<p>The University offers many welfare schemes to the students to support them during their academics a) Academic Merit Based Scholarship • 75 - 80 marks in qualifying exam: Equal to 25 of Tuition Fee • 81 - 85 marks in qualifying exam: Equal to 50 of Tuition Fee • 86 - 90 marks in qualifying exam: Equal to 75 of Tuition Fee • &gt; 90 marks in qualifying exam: Equal to 100 of Tuition Fee b) Babu Vijendra Shourya Samman Scholarships For the wards of great Martyrs in uniform: Equal to 100 of Tuition Fee. c) Adarsh Vidyadhan Scholarships For Girl Candidates: Equal to 20 of Tuition Fee. d) National Integration Scholarships For Students from North East states, JK and Ladakh regions equal to 20 of Tuition Fee. e.) Sports Promotion Scholarships For I, II, III position holders in Games approved by Indian Olympic Association: •</p>

canteen/cafeteria facility. i) Internet/Wi-Fi facility to all the Staff. j) Other facilities such as University Residences, Timely promotions, Salary through Bank, Indoor/Outdoor Sports Facility, Mobile Allowance etc. k) Facilities for Qualification enhancement Capacity Building within or outside the Country l) Insurance facility is for all the faculty members under SUBIDHA scheme. This unique scheme provides financial aid based on the degree of disability. m) Support for research activities at all levels viz. research facilities, financial assistance for research publications, patents etc.

Allowance etc. j) Sponsorship for the education of their wards

State Level: Equal to 20 of Tuition Fee • National Level: Equal to 40 of Tuition Fee • International Level: Equal to 60 of Tuition Fee. f) Defense Wards Scholarships For the wards of defense, paramilitary and other forces: Equal to 20 of Tuition Fee g) Chancellors Scholarships For proud Alumni of the University: Equal to 20 of Tuition Fee h) Extramural Activities Scholarship out of the Amalgamated Fund. The performance of the Campus students in various Extramural activities like debates, seminars, one-act play etc. is the deciding factor for award of the scholarship. This scholarship is a fixed amount to be decided by the Vice-Chancellor on the recommendations of the Committee. i) Financial assistance out of Poor Students Welfare Fund to the deserving SU Hostel residents. j). Food subsidy to the needy hostel residents. k) In addition, students have facilities such as free medical facility at Health Centre, Gymnasium Hall. Alumni Association, Industrial trips, workshops. E-mail account for Research Scholars. l) Counseling Sessions, Medical assistance in case of emergency, Facility to attend and participate in any event, to attend any outside event, Women Empowerment Cell is established for empowering female students of the Institute, Soft Skill Training.



## 6.4 – Financial Management and Resource Mobilization

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

The University conducts its Statutory Audit (through external body) once in a year and also conducts periodically internal audits (through internal body). Our Institution has an effective mechanism for auditing the accounts. The accounts of the University are audited by chartered accountant regularly as per the Government rules. Whenever there are additional expenses over and above the budget proposals, special sanction is to be taken from the Governing body. The Accounting and Auditing Committee looks after the internal audit and it is presented to the certified Chartered Accountant. Physical Checking of stock registers and laboratory equipment is regularly made every year with the help of inter-departmental committee, constituted by the Vice Chancellor and the reports are placed before the Vice Chancellor. Physical Checking of library is also regularly made every year with the help of inter-departmental committee, constituted by the Vice Chancellor and the reports are placed before the Vice Chancellor. All purchases are made through purchase officer following standard practices and the bills are scrutinized by the account section and the registrar. Regular stock checking of the items purchased and consumed is made.

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
Shobhit Institute of Engineering and Technology (Deemed to be University)	28414	In-House Project Development and Conference
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

2425000

## 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	ISO	Yes	IQAC
Administrative	Yes	ISO	Yes	IQAC

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

Not applicable.

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

The University regularly interacts with the parents of students to know their views about the academic activities and overall development of their wards. 1. Parents Teacher Meeting, 2. Calling on Regular Basis 3. Attendance and Performance of the students discussed with the parents through phone and emails 4. Feedback from parents

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

1. Qualification Enhancement, 2. Motivational Talks, 3. Technical Training Program like computer training, Note and Drafting training, Typing Skills, ICT



handling Skills and several others as per requirement.

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

1. More Scholarships and fee concessions to socially and economically backward students. 2. Remedial classes for slow-learners, failures and drop-out students. 3. Promotion of Research and Consultancy. 4. Introduction of New Integrated Courses. 5. Conferences / Seminars, Internet Facility, Bank facility, Sports and Recreation Facilities etc.

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2016	Biomedical Imaging Techniques and Clinical applications	01/02/2016	01/02/2016	01/02/2016	152
<a href="#">View File</a>					

**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
Anubhav Reunion	05/03/2016	05/03/2016	74	86
Decorative painting and crafts	03/05/2016	03/05/2016	76	43
World Health Day and Free Health check up	07/04/2016	07/04/2016	132	130

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

Energy conservation : Entire lighting system in the campus is supportive of energy conservation. Implementing energy saving techniques is ensured that the lights and fans are switched off after completion of the last lecture of the day. Electronic equipment are turned off when not in use. For reducing the energy consumption sharing of equipment is encouraged. CFL/LED Bulbs are used instead of conventional bulbs. Classrooms are made with sufficient cross ventilation and light so that the use of electricity can be minimized. Use of renewable energy : The stand-alone 100 KW Solar Energy Plant has been installed

in the university campus, which is one of the largest in western Uttar Pradesh. The Solar Plant takes care of almost entire need of electric needs of the university. Nearly 25 of whole power consumption is supported by Solar Power . Water harvesting and Check dam construction: The landscaping on the university campus is such that no rain water is wasted. The campus landscaping by itself makes small watersheds with grassed waterways on the ground. Efforts for Carbon neutrality: Pro-active measures have been taken to ensure that the emissions from the vehicles is not much, in that the campus is vehicle- neutral. All vehicles coming to the campus are compulsorily parked near the gate beyond which they do not go unless required for loading or de-loading purpose. All furnaces and stoves inside the Mess are kept clean to avoid black smoke. As standby arrangements, the University has electric generators with permitted levels of emissions. Plantation: The university was raised over the fallow land where there were no trees earlier. The university campus was given a cover of fertile soil and it is made totally green with grass, shrubs, bushes, hedges and trees now. All students, staff and teachers engage themselves with the local population in the peripheral area for planting trees during the Van Mahotsav days in the Monsoon. All ceremonies pertaining to Convocation, National Seminars, Awards or Sports festival etc., begin with planting of a tree by the Chief Guest. As a result, the campus is dotted with such trees. Grassed waterways in the landscaping provides a natural watershed during the rains and water is all absorbed in the ground within the campus. Hazardous and e-waste management: The e-waste is all managed in the proper scientific manner. Other wastage is segregated in bio-degradable and non-bio-degradable and is disposed accordingly. No wastage is littered or dumped on ground.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	35
Provision for lift	No	Nil
Ramp/Rails	Yes	28

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
2015	1	1	12/09/2015	1	Cyber Security Integrations (India) Pvt. Ltd., New Delhi	To explore modalities for working together to utilize the contents of CSIIPL Courses for imparting world	4

						class Cyber Security Education /Skill en hancement training to the Un iversity students.	
2015	1	1	12/09/2 015	1	NSG Solutions Com. Pvt. Ltd.	To foster the research collabora tion between U niversity and concerned Industry.	5
2015	1	1	04/12/2 015	1	MoU between Shobhit U niversity , Meerut and Agric ultural Growth of Rural India (AGRI)	To enhance the academic knowledge and practical expertise in the area of A gribysine ss Manage ment and to facili tate mutual co operation between the parties in promoting designing and deliv ering quality academic output and capacity building programme s	3
2016	1	1	08/02/2 016	1	Health Check-up camp	Health and Fitness	35

2016	1	1	07/04/2016	1	Health Check-up camp	Health and Fitness	25
2015	1	1	22/12/2015	1	Telecom Sector Skill Council (TSSC)	Introduce skill based programmes in all the courses/programmes offered by the University. The skill based programmes will be introduced in UG Courses(3rd 4th Year) and PG courses(1st and 2nd Year) respectively .	5
2016	1	1	04/03/2016	1	Indigram Labs , 902, Surya Kiran Building, KG Marg, Connaught Place, New Delhi-30	To incubate, accelerate organizations focusing on Technology in Agriculture, Education and Skills, Rural Focused Health and Wellness initiatives and clean energy and automation for Rural and Urban people and to	6

create an incubation center at Shobhit

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

Title	Date of publication	Follow up(max 100 words)
Turning Intellect into empowerment	01/07/2015	Students of the University must study the Standing Orders carefully and also make themselves familiar with these instructions, pertaining to their academic, co-curricular and other activities. Any amendments/additions to these Standing Orders will be notified through notices displayed on notice boards and circulated in the usual manner. The plea of ignorance will not be entertained for any breach of orders in force from time to time. Students must see the notices on the Notice Boards/ Website regularly. Any complaint within the jurisdiction of the concerned section will be dealt-with by the Officer In-charge of the section.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation Camp	08/02/2016	08/02/2016	119
Health Check-up camp	08/02/2016	08/02/2016	286
Health Check-up camp	07/04/2016	07/04/2016	262

[View File](#)

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

Energy conservation : Entire lighting system in the campus is supportive of energy conservation. Implementing energy saving techniques is ensured that the lights and fans are switched off after completion of the last lecture of the day. Electronic equipment are turned off when not in use. For reducing the energy consumption sharing of equipment is encouraged. CFL/LED Bulbs are used

instead of conventional bulbs. Classrooms are made with sufficient cross ventilation and light so that the use of electricity can be minimized. Use of renewable energy : The stand-alone 100 KW Solar Energy Plant has been installed in the university campus, which is one of the largest in western Uttar Pradesh.

The Solar Plant takes care of almost entire need of electric needs of the university. Water harvesting and Check dam construction: The landscaping on the university campus is such that no rain water is wasted. The campus landscaping by itself makes small watersheds with grassed waterways on the ground. Efforts for Carbon neutrality : Pro-active measures have been taken to ensure that the

emissions from the vehicles is not much, in that the campus is vehicle-neutral. All vehicles coming to the campus are compulsorily parked near the gate beyond which they do not go unless required for loading or de-loading purpose. All furnaces and stoves inside the Mess are kept clean to avoid black smoke. As standby arrangements, the University has electric generators with

permitted levels of emissions. Plantation : The university was raised over the fallow land where there were no trees earlier. The university campus was given

a cover of fertile soil and it is made totally green with grass, shrubs, bushes, hedges and trees now. All students, staff and teachers engage themselves with the local population in the peripheral area for planting trees during the Van Mahotsav days in the Monsoon. All ceremonies pertaining to Convocation, National Seminars, Awards or Sports festival etc., begin with planting of a tree by the Chief Guest. As a result, the campus is dotted with such trees. Grassed waterways in the landscaping provides a natural watershed during the rains and water is all absorbed in the ground within the campus.

Hazardous and e-waste management: The e-waste is all managed in the proper scientific manner. Other wastage is segregated in bio-degradable and non-bio-degradable and is disposed accordingly. No wastage is littered or dumped on ground.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**PRACTICE I** Title of the Practice: International Skill Development Centre: "Education through Skill Development Skill Development through Education" - e-Governance in Farming Sector for African Countries Objectives of the Practice: a. Objective / Intended Outcome: Education through Skill Development and Skill development through Education. The need of the hour is the creation of a globally competent generation that thinks globally but acts locally and impacts the nation's growth directly. b. Underlying Principles / Concepts: "All Solutions under one Roof" is the principle on which the ISDC works.

Organizations all over the world are looking for training and development solutions of all kinds. The major problem that they face is that each solution is available with different organization. Contextual Features: India emerges as an Investment Destination for Agri Business and Food Processing Sector, in view of the sound factors viz., Supply-Side Advantages, Supply Demand Growth, Conducive Policy Environment, Increasing Investments, and Strategic Location.

Mckinsey Global Research Institute (MGI)'s Research Report titled "12 Technologies to empower India" (2014) identifies 12 technologies in six sectors (Health care, Education, Financial services, Agriculture, Infrastructure and Government Services) can create \$550 Billion to \$ 1 Trillion of additional impact per year in 2025 and for the Agriculture Sector, the estimated collective impact of technology interventions in Agriculture is \$45 Billion to 80 Billion in 2025". Globally, Agricultural Informatics, as an area, has been focusing on creating new breed of human resources to take up the renewed challenges in conceptualizing, developing, deploying and managing farmer-centric intelligent supply chains, proactive environmental impact oriented interventions, while ensuring sustainable agricultural systems. India has all potentials to lead "South-South Cooperation in ICT for Agriculture", as

highlighted by our Hon'ble President of India in the Asia-Africa Agribusiness Forum held in February 2014 at New Delhi. Africa's Farm sector is growing to the tune of \$1 Trillion by 2030. In view of this context, the Centre for Agricultural Informatics and e-Governance Research Studies of the Shobhit Institute of Engineering Technology has launched, after much deliberations and discussions, "e-Governance in Farming Sector for African Countries: a 2-week and 4-week Competency Development programmes", in collaboration with the ISC, exclusively for the Agricultural sector Stakeholders of 50 Countries of the African Continent ([www.shobhituniversity.ac.in](http://www.shobhituniversity.ac.in)). To facilitate this programme, the Shobhit Institute of Engineering Technology has written to the Hon'ble Minister of External Affairs to recognize this centre as "Centre for Excellence" in the area of Education and Training of Agricultural Informatics e-Governance, of the Ministry of External Affairs so as to get nominations of candidates from African Countries through the Capacity Building Programme of the Ministry. During the AFITA-2014 Conference held at PERTH, Australia, the Shobhit Institute of Engineering Technology has intended to have a workshop titled "Competency Building in Agricultural Informatics for Sustainable Development: Strategies for Roadmap for Developing Countries". The African Asian Rural development Organization (AARDO) has also shown their interest in this programme for their member countries. The Practice: o Practice and its Uniqueness: The Competency Development Training Schedule for 2-Week (for Senior Officers of the Agricultural Ministry) and 4-Week (for Agricultural development Stakeholders) has been well researched both for local needs and global needs. Training needs in various sub-sectors of the Agricultural Sector have been identified and included, based on the expertise and experience from Indian Agricultural Informatics Scientists / Technocrats. o Constraints / Limitations: As this development programme is based on "Course Fee", there is no constraint / limitation surfaced. Evidence of Success: It may not be possible to show evidence of success now. However, this programme of the University has the indicated potential as follows:-

- Global perspectives on agro-informatics and benchmarks
- Agro-informatics and its role in augmenting livelihoods in developing countries
- Agro-informatics and sustainable development
- Agro-informatics and value chain management
- Education in agro-informatics - trends and opportunities for fostering research, development, incubation, deployment and scale up of interventions
- Advances in agro-informatics: academic-research-applications related convergence for sustainable development.

PRACTICE II Title of the Practice: Industry Engagement Initiative - Young Engineers Internship Programme Objectives of the Practice: a. Objective/Intended Outcome: To enrich budding engineers with the Industry exposure through one semester Internship programme for making them productive b. Underlying Principles / Concepts: The Shobhit Institute of Engineering Technology stands for going beyond the established standards and nurtures technocrats and managers so that they have a global vision and insight in their chosen fields and are globally employable in emerging areas with special focus on today's requirements. Contextual Features: A recent report published by the Confederation of Indian Industry and the Boston Consulting Group (BCG) has estimated that India would face talent gap- the lack of right skills for the job required. The report titled, India's Demographic Dilemma brings out the fact that the \$1.1-trillion economy will have a shortfall of 750,000 skilled workers over the next five years. Recognizing skills needs in the context of changing scenario around the globe, the corporate sector needs to step up to the center-stage to ensure the success. Strong industry leadership and engagement with the academic institutions and Universities is essential. Building workforce with higher order skills is an important part of improving the climate for investment. Lack of industry engagement in Higher Education Sector has been sighted as one of the key reasons for outdated curriculums, irrelevant research initiatives, inappropriate training and mentoring of students and faculty etc. There is a visible growing skill gap reflecting the galloping pace of the Country's



service-driven economy. Given the current high-paced growth and dynamic investment climate in India, the demand for knowledge workers with the higher level of technical and soft-skills is increasing. What is required is a holistic approach to address the problem of skills shortage within the country. Challenging issues needed to be addressed: Faculties and Students are mostly disconnected from the research needs of Industries. The Trinity of "Knowing", "being" and "Doing" has to be achieved to enrich their competency. Technology is changing and it is necessary to be dynamic to be relevant. The Practice: The serious issue in India has been that the higher education sector and the industrial sector have worked in isolation from each other. One of the reasons behind the talent crunch is the significant industry-academia divide. This has resulted in two extremes. On one hand, the industry needs talent and on the other hand there is an abundance of engineers who don't have industry oriented necessary skills. Today, when Indian higher education sector is poised on the verge of liberalization, role of industry would be crucial in taking the Indian education system to a higher trajectory.

o Practice and Its Uniqueness: One semester Internship programme has been incorporated in the Curriculum of B.Tech. Engineering Disciplines. The Final Semester Students are made available for internship with the Industry for a semester of 6 months starting from January onwards. Disciplines includes for Internship are: Electronics Communication, Computer Science, Mechanical, Mechatronics, Bio-Technology, Bio-Informatics and Bio-medical engineering. Industry Internship has Credits. This internship is not like summer training or training during semester vacation. The University encourages "student internship" to narrow down the Industry-Academia gap.

o Constraints / Limitations: Industry feels that "Students" are raw talent and training them to be productive is a Challenge to them. As Meerut is the emerging "Hub of Higher Education", there is a challenge to have Industry Internship in the Industries available in the Meerut City. There is a "demand-side" constraint witnessed by the Educational Institutions. The University has addressed this issue through its National Conference CICON-2015 titled "Emerging Trends in Science, Engineering, Technology and Management" with the Theme on "Bridging the development Gaps in Human Resources for Digital India and Make in India programmes" on 12th September 2015. Evidence of Success: In view of the fact that Indian industry is investing about INR 6450 Crores on training their employees and about 45 of the total amount spent on training towards skill development of new recruits. This expenditure can be reduced by adopting the "Shobhit Institute of Engineering Technology Model of Internship" and there will be Win-Win situation. Hence the Mission is "Encourage Student internships" and if they are good during the Internship, let the Industry pick up them for employment subsequently.

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

<https://www.shobhituniversity.ac.in/pdf/naac/NAAC-Best-Practices.pdf>

### 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

The University, being situated in the rural area, has a distinctive feature of catering to the needs of the largely rural population and address the concerns related to the Meerut region. Moreover, the geographical location and setup of the region offers endless opportunities to discourse the unique natural environment which abounds in rich flora and fauna besides distinct historical, cultural and socioeconomic identity. "Encouraging agricultural specific research" is an integral part of the vision statement of the University. After becoming a Deemed-to-be University, the university introduced innovative and interdisciplinary Post-Graduate programs in the niche areas of Agri-



Informatics, Biotechnology, Bioinformatics and Biomedical Engineering. Apart from facilitating post-graduate education program in a manner that all students have opportunities to access several disciplines in all knowledge areas, the university also has vibrant research areas, not oriented towards any particular department, but built around thematic concerns. This has enabled researchers from several disciplines to work together and share knowledge and information. As the identified areas by the university have recently emerged as compared to many other established fields and core educational programs, therefore, at this juncture these emerging areas are highly interdisciplinary, which are influenced by and overlapped with computer science, electronics, biotechnology, pharmacy and management disciplines. Consequently, in accordance with UGC guidelines that the deemed-to be University should have among its primary objectives Post-Graduate instruction and training in such branches of learning as it may deemed fit, and research for the advancement and dissemination of knowledge the university strategically started and proposed other several innovative and interdisciplinary programs also so as to supplement the scientific requirements of the chosen emerging areas. The University is constantly striving and progressing to achieve excellence in academic and research fields. The University has identified a number of thrust areas, relevant to the geographical location, which are of social relevance. The University research programs are focusing on electromagnetic properties of Rudraksha and we have found several unique properties of Rudraksha that have great importance in controlling various dysfunctions in women during menstruation cycle. The University is focusing on research on herbal plants and their evaluation of antimicrobial activities and relation to their biochemical composition. In the field of agribusiness, the University has focused on agricultural marketing. In the field of Computer Science, the University is working on various apps for the development of Meerut as smart city. In agri-informatics, the University is collecting the data for relevance of agricultural economy and working on enhancing farmers income. In biotechnology, the focus of the University is on the development of activated carbon and its use in treatment of polluted water, bio-fuel from sugarcane bagasse, preparation of handmade paper from it and on the front of engineering, the University is focusing on solution of farmer's problems using simple local technology. Besides this, the University is also providing free legal aid to the farmers of the nearby villages to amicably sort out their grievances at village level.

Provide the weblink of the institution

<https://www.shobhituniversity.ac.in/pdf/naac/NAAC-7-3-1.pdf>

### **8.Future Plans of Actions for Next Academic Year**

Future Plans 2015-16

1. To upgrade computers and band width of the internet
2. To strengthen laboratories infrastructure and upgrade laboratory manuals
3. To focus more on workshops and training
4. To organize more national and international conferences and seminars
5. To encourage research activities
6. To focus on academic visits of students to various industries and institutes of national importance
7. To focus more on sports, cultural activities and interactive programs with the students
8. To focus on greater participation of students in University affairs
9. To focus on energy saving methods and rain water harvesting program
10. To organize more activities for students awareness at national and international level