



Yearly Status Report - 2016-2017

Part A

Data of the Institution

1. Name of the Institution		WALCHAND COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr. G. V. Parishwad
Designation		Director
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		02332303433
Mobile no.		9822871801
Registered Email		director@walchandsangli.ac.in
Alternate Email		walchand@rediffmail.com
Address		Opp. Willingdon Post Office, Vishrambag
City/Town		Sangli
State/UT		Maharashtra
Pincode		416415
2. Institutional Status		

Autonomous Status (Provide date of Conformant of Autonomous Status)	20-Nov-2006																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	Self financed and grant-in-aid																		
Name of the IQAC co-ordinator/Director	Dr. G. V. Parishwad																		
Phone no/Alternate Phone no.	02332303433																		
Mobile no.	9822871801																		
Registered Email	director@walchandsangli.ac.in																		
Alternate Email	deanqa@walchandsangli.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	http://walchandsangli.ac.in/WCE_NAAC_SS_R.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.walchandsangli.ac.in/Academics.asp																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.25</td> <td>2016</td> <td>29-Mar-2016</td> <td>28-Mar-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	A	3.25	2016	29-Mar-2016	28-Mar-2021
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	A	3.25	2016	29-Mar-2016	28-Mar-2021														
6. Date of Establishment of IQAC			05-May-2015																
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															
Organization of		04-Mar-2017		100															

International Conference	2	
NBA committee visited college - received accreditation for 5 years to 5 PG programs	14-Oct-2016 3	450
6th Alumni Meet was organized at WCE, Sangli on 14th January 2017. Dr. Sadanand Joshi (Mechanical-1972) a well-known expert in the petroleum industry and President of Joshi Technologies International, Oklahoma, USA was the Chief Guest.	14-Jan-2017 1	270
National level technical symposium VISION-2017	10-Mar-2017 2	2500
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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
WCE	QIP	AICTE	2016 1	2680000
WCE	Faculty	DST	2016 3	2565000
WCE	MPCB	MPCB	2016 1	851000
WCE	CDTP	CDTP	2016 1	800000
WCE	Gov	TEQIP - II,III	2016 3	250000000
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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 :	3
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	49609374.35
Year	2016

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

• Administrative Council was reconstituted for the next term from 22 November 2016 to 22 November 2019. Shri Ajit Gulabchand was reelected as Chairman of the Administrative Council unanimously for the new term. • Successful completion of TEQIPII and sanction of TEQIPIII. • NBA committee visited college during 14th to 16th October 2016 for accreditation of 5 Post Graduate programs, viz. Civil Structural Engg, Design Engg, Control Systems Engg, Electronics Engg, Computer Sci. Engg (IT). Two programs, Civil Structural Engg and CSE (IT), received accreditation for 5 years. • Organized International Conference with 5 International Faculty from the Netherlands and 5 from IISc and IITs were the keynote speakers. • WCE was Selected for Technology Information, Forecasting and Assessment Council (TIFAC), Rajiv Gandhi Science and Technology Commission, (RGSTC) Government of India Grant for students from 2016 onwards wherein 30 UG students will get a scholarship of Rs. 5000/ pm for Summer Internship and shortlisted students Rs. 10000/ pm for doing a project in Small and Medium Scale Industries. Only two Colleges from Maharashtra WCE, Sangli and Baba Ramdeo College of Engineering, Nagpur selected for this funding.

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

Plan of Action	Achivements/Outcomes
Organizing workshops, trainings and guest lectures on advanced technologies	More than 50 trainings organized during the year on various technologies.
Organizing National and International Conferences	One International and five national conferences were organized during the year
Applying for TEQIP-III	The Institute got selected for TEQIP-III, wherein it will Mentor Government College of Engineering, Jabalpur from 1st April 2017 to 31st March 2020.
Successful completion of TEQIP-II	WCE Sangli successfully completed the TEQIP-II, the World Bank Funded Program during 1st January 2012 to 31st March 2017. Over this period, the college received Rs. 15.74 crore grant for improving PG Infrastructure, R&D and

Innovation

Applying for NBA accreditation of 5 Post Graduate programs

NBA committee visited college during 14th-16th October 2016 for accreditation of 5 Post Graduate programs, namely, Civil Structural Engg, Design Engg, Control Systems Engg, Electronics Engg, Computer Sci. Engg (IT). Two programs - Civil Structural Engg and CSE (IT) - received accreditation for 5 years.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Administrative Council	28-Aug-2017

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

14-Oct-2016

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2017

Date of Submission

23-Mar-2017

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

Institute having customized MIS in place with different modules like Student Admission / Fee collection, Hostel Management, Hostel Admission, Room Allotment, and Fee collection Examination system with course registration and complete result processing with a relative grading scheme. Complete Learning Management System (LMS) on Moodle with Attendance Management and online examination, etc. Library Management System with OPAC Faculty and staff establishment leave management Payroll Procurement Management System with Enquiry / Comparative / Bill Processing and Stock management Accounts system on webbased tally system

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	All First Year Courses	-	11/07/2016
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
Mtech	All Courses	11/07/2016	Dissertation work at industry Skill development programmes	11/07/2016
BTech	All Courses	11/07/2016	Project work in industry Internship Skill development programmes	11/07/2016
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Professional Electives	11/07/2016
BTech	Open Electives	11/07/2016
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	As mentioned in curriculum on Institute Website	11/07/2016
Mtech	As mentioned in curriculum on Institute Website	11/07/2016

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Professional Electives as	11/07/2016	500

mentioned on Institute website

[View File](#)

1.3.2 – Field Projects / Internships undertaken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Including all courses	87
Mtech	Including all courses	73

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Students are required to give feedback for course regarding teaching process once in a semester. During course a course feedback is taken before mid-semester examination. It mainly focuses on faculty/ instructor's performance in conducting a particular course. The purpose of feedback questionnaire is to gather information on the learning experience, as well as students' responses to the course and the faculty. The questions reflect subjective perceptions of students on various aspects of the course and the faculty involved in the course. The information provided is useful for the faculty as well as to the higher authorities in the ongoing efforts to enhance the quality of education at the Institute. The feedback is treated as confidential. The evaluation results are computed using the rating in a scale of 1 to 5 on parameters such as course organization, teaching effectiveness, counselling, assessment and overall performance from the responses of students and is communicated to the concerned faculty through the Head of the Department. The course teachers whose performance indicators are low, they are counselled by Heads of respective departments

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	civil	60	60	60
BTech	Computer Science and Engineering	108	108	108
BTech	Information Technology	60	60	63

BTech	Electrical Engineering	60	60	64
BTech	Electronics Engineering	60	60	62
BTech	Mechanical Engineering	66	66	66

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016	1864	423	103	29	132

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
135	131	6	22	9	8

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

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

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

Yes, the College has an independent system for student support and mentoring. The student support system comprises Mentor, Counsellor, HoD, Deans. The support system functions through several units such as Departmental Mentoring System, Guidance and Counselling Cell, Placement and Career Guidance Cell, Grievance Redressal Cell, and Committees for all co-curricular and extra-curricular activities. These committees include staff and student representatives and carry out the activities under the supervision of the Director. The mentor meets the students once in a semester in the group and individually as and when required. Such meetings enable the mentors to identify and help the academically weaker and economically needy students. The mentor also contributes to the physical, psychological, social and spiritual development of the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2287	132	17.32

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
96	88	20	25	32

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	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2016	Dr. U. A. Dabade	Professor	Patent Published
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	All Courses	2016-17	14/06/2017	24/07/2017
BTech	All Courses	2016-17	26/04/2017	24/05/2017
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	2287	0

2.6 – Student Performance and Learning Outcomes

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

<http://www.walchandsangli.ac.in/Academics.asp>

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
600721110	Mtech	Civil-Structural Engineering	27	27	100
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2.7 – Student Satisfaction Survey

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

<http://walchandsangli.ac.in/igac.asp>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

No

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	B. N. Naik	Ph. D.	11/07/2016	IIT Delhi
National	S. V. Gaikwad	Ph. D.	11/07/2016	IIT Roorkee
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	3650	MPCB	62.02	7.86
Minor Projects	1095	DST	40.24	7.32
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

2

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
National Conference (NCRTME)-July 2016 on Recent Trends in Mechanical Engineering	Mechanical Engineering	04/07/2016
Project Management	Mechanical Engineering	21/10/2016
Recent Trends in Heat Exchanger (RTHX2016)	Mechanical Engineering	24/10/2016
Various Aspects of Mechatronics	Mechanical Engineering	17/10/2016
Recent trends in Manufacturing Technology (RTMT)	Mechanical Engineering	07/10/2016
Condition Monitoring and Failure Analysis of Rotating Machines in Power Plants.	Mechanical Engineering	18/02/2017
Bearing Selection Maintenance	Mechanical Engineering	13/01/2017
Two days Training Program on "Total Station" at Civil Dept	Civil Engineering	23/01/2017
Two Days workshop on "LEAN for Civil Engineers" Two Days workshop on "LEAN for Civil Engineers"	Civil Engineering	28/01/2017

STTP on "Advances in Structural Health Monitoring, NDT, Audit and Strengthening Technologies in Civil, Aerospace Structures"	Applied Mechanics	02/01/2017
National Conference on "Advances in Structural Health Monitoring, NDT, Audit and Strengthening Technologies in Civil, Aerospace Structures"	Applied Mechanics	06/01/2017
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
G. K. Dandekar Memorial Award	Mr. Kapase Akash Hindeshwar (T. Y. B. Tech) (Mech)	Engineers Architects Association, Sangli.	15/09/2016	Award
Smart India Hackathon-2017 Competition	Mukund Sudharsan (T.Y.CSE), Nikhil Chavan (T.Y.CSE), and their Team stood 1st in Zonal Tournament and Inter-Zonal Tournament.	AICTE, MHRD	18/02/2017	Award
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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
Startup Enclave	Innovation, Incubation Entrepreneurs Hip Cell	Walchand College of Engineering, Sangli	CBA solution -Software Development	Software Development	11/07/2016
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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
Information Technology	1
Electronics	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)
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International	Civil Engineering Department	2	9.78
International	APM	8	1.2
International	Mechanical Engineering	16	3
International	Electrical Engineering Department	3	2
International	Electronics Engineering Department	11	2
No file uploaded.			

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
APM	4
Electrical Engineering	13
Mechanical Engineering	92
Civil Engineering Department	18
Computer Science and Engineering	29
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Dr. U. A. Dabade	Published	201621030053	02/09/2016
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A State-of-the-Art Report on Ultra High-Performance Concrete: Reactive Powder Concrete	Bhusari J. P, Gumaste K. S.	IOSR Journal of Engineering	2017	3	WCE, Sangli	3
Characterization of Reactive Powder Concrete for Its Mechanical	Bhusari J. P., Gumaste K. S.	International Journal of Civil Engineering and Technology	2017	3	WCE, Sangli	3

Properties	(IJCIET), Volume 8, Issue 5, pp. 08-13,				
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An Intelligent Web Search Using Multi-Document Summarization	Sheetal A. Takale, Prakash J. Kulkarni and Sahil K. Shah	International Journal of Information Retrieval Research (IJIRR)	2016	3	0	3
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	36	0	0
Presented papers	16	1	0	0
Resource persons	1	0	0	7
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Safe Bearing Capacity	Maruti Shetkari Asavani Ltd. Kameri	22900
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
0	0	0	0	0
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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	Number of students participated in such

		activities	activities
Blood Donation Camp	Rotract Club of WCE Sangli	2	200
Awareness Session by Smt. Dipali Kale, API Dr. Jayashri Patil, Psychiatrist	Police Department	40	200
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
IndoCanada Innovative Project Competition	Innovative Project	IndoCanada Innovative Project Competition	4
Effi-Car Competition	4th Rank	Chandigarh	12
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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
WCE Marathon	WCE	Women Empowerment	1	500
Swachh Bharat	WCE	Social Service	1	500
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Sponsored Project	1	IIT, Kanpur	180
Sponsored Dissertation (M. Tech)	1	Siemens India Ltd.	420
Sponsored Dissertation (M. Tech)	1	Siemens India Ltd. Nashik	420
Sponsored Dissertation (M. Tech)	1	Siemens India Ltd. Aurangabad	420
QIP Research Program	Dr. P. K. Kharat	QIP	61
QIP Research Program	Dr. R. R. Rathod	QIP	61
Third National Research Symposium	All Dept Faculty	TEQIP III	3

on Computing

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	B. Tech Project Sponsorship	ABS (Nautical Systems)	01/03/2017	30/04/2017	6

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Geometric Limited, Vikhroli, Mumbai	06/01/2017	Collaborative teaching learning process and exchange of faculty student resources	8
Maharashtra State Electricity Transmission CO. Ltd., (MAHATRANSCO)	06/10/2016	To establish a mutually beneficial relationship for enriching the technical education process and jointly work for enhancing the quality of education.	350

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
120	165

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing

Classrooms with Wi-Fi OR LAN	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SLIM21	Fully	3.2.0	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	82339	14513792	776	340818	83115	14854610
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
N V Marathe	Circuit Theory	YouTube	11/07/2016
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwidt h (MBPS/ GBPS)	Others
Existin g	850	16	850	2	2	1	8	200	0
Added	0	0	0	0	0	0	0	20	0
Total	850	16	850	2	2	1	8	220	0

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

400 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
YouTube Lecture series by Prof. N. V. Marathe	https://www.youtube.com/user/nvmarathe1/featured
YouTube Lecture series by Dr. V. B. Dharmadhikari	https://www.youtube.com/user/vbdharm/featured
Slide share profile of Dr. V. B. Dharmadhikari	https://www.slideshare.net/vbdharm

Moodle Facility URL (Locally Hosted on College Server)	http://112.133.242.241/moodle/
Digital Library URL (Locally Hosted on College Server)	http://10.10.12.108/

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
60	25	60	20

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)

It is common practice to appoint housekeeping staff and sundry labors for casual repairs of buildings every year. Petty contractors are appointed for some of the works by calling quotations for the works. Usually, equipment is maintained through AMC with suppliers. However if the equipment is need for calibration or repairs any service provider is consulted to set it right.

<http://www.walchandsangli.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	Nil	0	0
Financial Support from Other Sources			
a) National	District Social Welfare Office	839	35139939
b) International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yoga Activity	08/03/2017	50	WCE
'C', C JAVA Language Lab	11/07/2016	75	WCE
Remedial coaching	15/05/2017	35	Ms. Sai Mohite
Mentoring	11/07/2016	285	WCE, Sangli
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the	Number of	Number of	Number of	Number of
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	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2017	GATE	98	98	80	80
2017	WCE Employability Skill Enhancement Program	100	433	60	319
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

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
BPCL	110	3	MAHATRANSCO	10	1
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2017	1	M. Tech	Electronics	BITS Pilani Goa	Electronics
2017	48	B. Tech	Mechanical Engineering	IITs, NITs	M. Tech
2017	20	B. Tech in Civil Engineering	CIVIL DEPARTMENT	M.B.A., M. Tech, M. E	-
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	25
CAT	1
GRE	2
Civil Services	1
Any Other	2
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Yuvarang	Institute	500
Annual Social Gathering	Institute	1200
WEST - Walchand Engineering Sports Tournament	National	2500
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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
2017	Gold Medal Chess Team	National	1	0	2015BTEME002016BTEME00023	1. Vaibhav Kokare (S. Y. Mech) 2. Soham Shelgaonkar (F. Y. Mech)
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The student's representatives serve in almost all academic and administrative bodies of the college such as the departmental board of studies, departmental associations and various clubs, student's council, Anti Ragging Cell, Anti sexual harassment cell, Placement, and Career Guidance Cell, NSS, Gymkhana Committee, Library committee, etc.. Role of Student Representatives ? Disseminate the information from the college administration to all students. ? Organize technical, non-technical and social events. ? Conduct Quiz Competitions on current affairs. ? Organize programs in NSS. ? Arrange study tour and Environmental Studies field trip. ? To maintain conducive and anti-ragging ambiance in hostel and college premises. Any additional information regarding Student Support and Progression, which the institution would like to include. List of associations and clubs at Walchand College of Engineering, Sangli. ? CESA (Civil Engineering Students Association) : ? MESA (Mechanical Engineering Students Association): ? EESA (Electrical Engineering Students Association) : ? ELESA (Electronics Engineering Students Association): ? ACSES (Computer Science and Engineering Students Association): ? SAIT (Information Technology Students Association): ? PACE (Personality Advancement Circle of Engineers): ? Softa (Student organization for technical activities): ? WLUG (Walchandi Linux User Group): ? Rotaract ? Art Circle ? NSS ? VISION ? Competitive Exam Study Group

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the college has a registered Alumni association. The Alumni association contributes actively to the welfare of the institution. The alumni meeting is organized once / twice a year by all the departments. Illustrious and prominent

alumni are invited to deliver special lectures, motivating the students to go for higher education and to find the means for job opportunities. All the departments have the alumni as members of their BOS. Their valid suggestions are taken into consideration in designing and updating the curriculum. Recently Er. Abhijit Pawar (Sakal Group) donated Rs. 1 crore for infrastructure, staff and research development activities at the institute.

5.4.2 – No. of registered Alumni:

270

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

1000000

5.4.4 – Meetings/activities organized by Alumni Association :

6th Alumni Meet was organized at WCE, Sangli on 14th January 2017. Dr. Sadanand Joshi (Mechanical-1972) a well-known expert in the petroleum industry and President of Joshi Technologies International, Oklahoma, USA was the Chief Guest. MP Shri Sanjay kaka Patil presided over the function. More than 270 Alumni from different branches attended this program. Annual Social Gathering (ASG-2017) successfully organized from 12-14th March 2017. Shri Nirranjan Vayangankar, Deputy Inspector General of Police, Pune, and WCE, Alumni (CSE-1994) was the Chief Guest for the Inauguration.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The overall progress and development of the college is headed by the Governing body followed by the Director, Registrar, the Deans and the HOD's looking after the various portfolios. The College Development Committee, Finance Committee and the Academic Council are Intermediary but important bodies which mentor the Director in taking decisions regarding institutional development, financial issues and Academic related implementations, respectively. However, all major decisions are ratified by the Administrative Council.

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
Teaching and Learning	The classroom teaching is well supported by LCD projectors. The academic calendar is strictly followed and monitored for delivering course contents define by every course teacher in course delivery plan. We follow penalty based attendance system. We provide opportunity for students to learn at other institutes of repute through credit transfer scheme. There is scope for industry-oriented projects for both UG and PG students. We effectively use Moodle is effectively

for effective teaching-learning. The inputs are taken from learners through feedback every semester and are used to address the issues related to teaching-learning. We conduct remedial classes during the semester and summer term. The industrial and field visits, expert lectures for contents beyond syllabus are organized regularly.

Curriculum Development

Regular revamping of curriculum through involvement of academicians and industry personnel. We monitor the process at various levels within department and institute. Outcome based, choice-based and student centric policies are given more thrust in curriculum design. More focus on professional and open electives. Internal academic audits with intra-departmental auditors are regularly conducted twice a year. We strictly adhere total credits and academic requirements recommended by AICTE model curriculum are strictly to for both UG and PG programmes. Students encouraged undergoing courses available on MOOCS.

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

E-governance area	Details
Planning and Development	MIS, MOODLE
Administration	MIS
Finance and Accounts	Tally 3.7
Student Admission and Support	CLMS 6.0

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
2016	Mr. A.R Surve	RTEICT, Bangaluru	RTEICT, Bangaluru	10000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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2016	One Day Workshop on "Empathize... Innovate... Start... Mantra for 21st Century" on Organized under TEQIP -II	One Day Workshop on "Empathize... Innovate... Start... Mantra for 21st Century" on Organized under TEQIP -II	17/09/2016	17/09/2016	30	15
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Sustainable Environmental Management	1	27/03/2017	31/03/2017	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
73	55	153	52

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Welfare Fund	Staff Welfare Fund	Student Welfare Fund

6.4 – Financial Management and Resource Mobilization

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

<p>Yes. The college has been appointing internal and external auditors annually. The external auditor is a statutory auditor. The internal auditor makes quarterly balance sheets. The statutory auditor carries out half-yearly and yearly audits. In addition to this for the grant-related fund provided by the state government, a separate audit is carried out by the regional office of the Directorate of Technical Education and by "Audit General (AG)" of the state government.</p>
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6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
John Deer wheel slip Project	50000	Research
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6.4.3 – Total corpus fund generated

101214045

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	University Affiliation Committee NBA expert committee	Yes	HOD
Administrative	Yes	External Auditor, TEQIP Auditor, University Affiliation Committee NBA expert committee	Yes	Director and Registrar

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

1. For first year students induction program, Parents are invited and addressed during orientation session. 2. Parents Teacher Meet is conducted each year and feedback from parents is collected. 3. Parents are invited on Graduation day function.

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

1. Eight staff members deputed to attend Workshop on Healthy Life Style, 8 - 10 March 2018 2. Eleven staff members were sent to NSTI- ATI- Hyderabad to attend training programme on MS Office, 25 to 29 June 2018. 3. Training in 'Tally' Software to all administrative staff, 27 May to 5 June 2019. 4. 45 staff participated in In-house Training Programme on 'Safety in Electricity Handling' at WCE, Sangli, 23 Feb. to 2 March 2019

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

- Examination Reforms with respect to Specially Challenged Students (2017)
- Research projects Focus on Agriculture Technology and Transportation System (2017)
- Rigorous Curriculum Revamping (in line with AICTE guidelines (2018)
- Specificity in Logical Budgetary Planning at Institutional Level (2018)
- Initiative in Innovation and Start-up drive (2019)
- Focus of Attracting Top notch Multi-national Companies for Placements (2017-2019)
- Campus Reformation based on Environmental concern and Swachata Abhiyaan.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality	Date of	Duration From	Duration To	Number of
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2017	1	1	01/05/2017	365	assessment of ground water quality	water	5
2017	1	1	22/03/2017	1	Krishna Koyana Lift Irrigation Scheme, Mahaisalvit	Irrigation	70
2016	1	1	17/10/2016	1	Visit to Chitale Dairy, Bhilwadi	Automation	90
2016	1	1	31/12/2016	365	Indoor air quality investigation in school buildings situated in Sangli District	Air quality	5
2016	1	1	11/07/2016	365	Android app for motor training school	Kulkarni motor training school Sangli	4
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Chapter 16. Discipline and Conduct	11/07/2016	Any act of misconduct by any stakeholder of the institute is considered violating institute ethical and professional culture, and is subjected to disciplinary action. Such cases have to face an investigation or enquiry and the action taken by the Disciplinary committee is recorded and implemented. A few cases related to unethical practices in examinations and student misbehaviour have been handled by the relevant committee and action taken is documented.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Empathize... Innovate... Start... Mantra for 21st Century	17/09/2016	17/09/2016	60
Role perception and breaking the barriers for effective functioning	23/09/2016	24/09/2016	80
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. The rich vegetation within the campus facilitates a lower temperature (3-4°C) in the campus as compared to the external campus temperature. 2. The campus is well protected and is a home to various domesticated animals viz. Peacocks, rabbits, birds of various species and reptiles thus exhibiting balance in the ecosystem. 3. Use of Plastic is strictly banned in the campus. All the faculty members have been provided with steel bottles for water storage and the messes and canteen have been instructed to use non-plastic utensils. 4. The college campus has protected five perennial wells, supplying water for secondary uses 24/7 throughout the campus. 5. Solar Lighting on the streets within the campus is implemented. 6. The college caters to accommodate approximately 1000 students distributed over 8 hostels, a temple and about 30 families of the faculty/staff staying in staff quarters which are exclusively maintained by the college. 7. Buildings are provided with Rain Water Harvesting facilities protecting the water table on the campus. A well-maintained jogging track is constructed around the playground which is not only extensively used by the internal stake holders but as well is kept open for the local public in the mornings.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Student feedback on organization, assessment, and delivery of course contents is conducted twice a year to rate course teacher individually and relatively to other course teachers of that class, counselling and guidance to teachers, thereby providing an opportunity for teachers to address their strength/s and weakness/es. 2. Encouraging teaching and Learning through MOOCs, E-learning, flipped classroom concepts and classroom equipped multimedia and smart board. 3. Additional coaching for slow learners through remedial classes and Enrichment through interdisciplinary courses for advanced learners. 4. Facilitation of Internship and Sponsored projects in Industries to final year undergraduate students in their final semester and for eight months for Post-graduate students. 5. Annual purchase of high-end equipment and software for the development of state of art laboratories with additional virtual lab facility having remote accessibility. 6. Alumni Meet is conducted in 2nd week of January every year since 2012

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

<http://www.walchandsangli.ac.in/igac/best-practies%20walchand.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 Vision of this Institute is to 'Produce Capable Graduate Engineers with An Aptitude of Research and Leadership'. The measure of the successful implementation of the teaching-learning process and realisation of our vision, ultimately can be monitored by evaluating the successful outcomes of the graduates in terms of their placements, higher education or pursuing entrepreneurship. In this direction, this institute not only imparts excellence in technical knowledge, but also supports the students at various levels during their graduation to enhance their soft and professional skills. Incubation process is looked up by start-up and Innovation Cell to encourage student's participation in several Hackathons, Techfest's, nationally recognized competitions like Baja, EFFICYCLE etc. Students have proved their talents by winning various prizes in several events at national and international levels. The final measure of the success of the vision is the Placement record of the institute. Since Past four years, on an average, 80 of the appeared candidates are placed through campus with an average salary increasing from 3.5 lpa in 2016-17 to about 6.5 lpa in 2018-19. More than 80 companies all around the country visit the institute for placement, of which worth mentioning are LinkedIn, Rakuten, Dell, Hindustan Unilever, Atlas Copco, John Deere, Shapoorji Pallonji, LT etc. Since past two years, companies like Microsoft IDC, Directi, LinkedIn, D. E. Shaw, Rakuten have visited the campus and have selected graduates offering highest packages of 33 - 37 lpa. On the other hand, candidates who aspire for higher studies do not opt for placements but display their excellence in cracking exams namely, GATE, CAT, govt exams like UPSC, MPSC, IES and IAS as well. About 20 of the students on an average opt for pursuing M. Tech and get an entry to various IITs and NITs. Although the number of candidates choosing entrepreneurship is not clearly known, candidates who already have a family background of business and commerce either go for MBA or enter into their own business.

Provide the weblink of the institution

<http://walchandsanqli.ac.in/>

8.Future Plans of Actions for Next Academic Year

1. To act as a Nodal Centre for the Institutes in the West Maharashtra region.
2. Organization of National Conference in on 'Recent Trends in Mechanical Engineering' (NCRIME-2017).
3. Organization of 7th Alumni Meet.
4. Installation of rooftop Solar Power Plant.
5. Conduction of Detailed Audit of TEQIP-II.
6. Planning of Activities under TEQIP-II.
7. Organizing workshops, trainings and guest lectures on advanced technologies.