



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	SURYODAYA COLLEGE OF ENGINEERING AND TECHNOLOGY, NAGPUR
Name of the head of the Institution	Dr. Chandrakant Shamraoji Ragit
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	918888823166
Mobile no.	9423612120
Registered Email	scetngp@gmail.com
Alternate Email	scet4613@gmail.com
Address	117/1 & 117/3, Virgaon, Umrer Road, Nagpur 441204
City/Town	Nagpur
State/UT	Maharashtra
Pincode	441204

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Prof. Ram Rameshwar Wayzode
Phone no/Alternate Phone no.	918087084544
Mobile no.	8087084544
Registered Email	scetngp@gmail.com
Alternate Email	scet4613@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://scetngp.com/AQAR_Report_2017-18.doc_final.doc
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://scetngp.com/academic-calender/

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.08	2017	27-Nov-2017	26-Nov-2022

6. Date of Establishment of IQAC	21-Apr-2016
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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
No Data Entered/Not Applicable!!!		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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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?

No

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

• 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.. • Encourage faculty for Industry Institute interaction for applying industrial projects, consultancy, Research Fellowships. • Departmental IQA committees were initiated. • Self - defense workshop for female students. • Introductory talk to students on the need and utility of a mentoring program

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

Plan of Action	Achievements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Governing Body</td> <td>01-Jul-2019</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Body	01-Jul-2019
Name of Statutory Body	Meeting Date				
Governing Body	01-Jul-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2019				
Date of Submission	27-Feb-2019				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The operational modules currently in MIS are as follows: 1. Student Module This module is used to maintain various student details, their updation, admission related information. 2. Employee Module This module is used to maintain various employee details, their updation. 3. Registration Module Newly admitted student details are added online through this module, at the time of admission. 4. Accounts Module Accounts related information such as income incurred, expenses occurred, maintenance of balance sheet, payments done through cash, cheques, and vouchers etc. are done through this module. 5. Fees Module Student's regular fees, outstanding fees, fees incurred from scholarship, concession provided etc. are done through this module.				

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Delivery of curriculum is on the basis of program set by the University relating to examinations. Planning the delivery is done by the institution in a structured manner to complete it in time.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
CREO Parametric	ME	17/12/2018	45	Yes	Yes
PLC Based Industrial Automation	E TC	18/01/2019	6	Yes	Yes
Skill Development Program on "Python Programming	CE	18/07/2018	3	Yes	Yes
Residential Industrial Wiring Network	EE	25/02/2019	5	Yes	Yes
Skill Development Program on "JAVA Programming	CE	23/08/2018	3	Yes	Yes
Certificate Program on Web Development Using Java	CE	17/01/2019	3	Yes	Yes
Auto CAD	ME	17/01/2019	6	Yes	Yes
Web Page Designing Digital Marketing	CE	11/03/2019	1	Yes	Yes
SWAYAM-NPTEL Local Chapter	EE	03/06/2019	1	Yes	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Electrical Engineering (Elective Course)	11/06/2018
BE	Computer Engineering (Elective Course)	11/06/2018

BE	Electronics & Telecommunication Engineering (Elective Course)	11/06/2018
BE	Mechanical Engineering (Elective Course)	11/06/2018
BE	Civil Engineering (Elective Course)	11/06/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	512	0

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
CREO Parametric	17/12/2018	48
PLC Based Industrial Automation	18/01/2019	15
Residential Industrial Wiring Network	25/02/2019	28
Skill Development Program on "Python Programming	18/07/2018	55
Skill Development Program on "JAVA Programming	23/08/2018	40
Certificate Program on Web Development Using Java (17/01/2019	45
Auto CAD	17/01/2019	78
WebPage Designing Digital Marketing	11/03/2019	30
SWAYAM-NPTEL Local Chapter	03/06/2019	173
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	32
BE	Computer Engineering	18
BE	Civil Engineering	36
BE	Electronics and Telecommunication Engineering	4
BE	Electrical Engineering	12
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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
Institute conducts feedback by the student every semester, after the end semester examination. The student's gives feedback for all the theory and practical courses taught to them in the semester. The general assessment points of the feedback based on question based syllabus, adequacy of syllabus, assessment of answer books, Satisfaction about teaching methodology, Teachers approach ability towards students, Teachers ability to teach subject and control the class, Syllabus coverage organization of lectures use of modern tools of Pedagogy etc. on a grade of 5 scale with number 5 meaning excellent and zero meaning poor performance. The results are circulated among the teachers. Feedback of parents and teachers analysis is consider as input for improvement in Teaching Learning and central facilities. The Employer and Alumni feedback are helpful in improvement for training and placement.

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
BE	MECHANICAL ENGINEERING (FY)	90	22	22
BE	COMPUTER ENGINEERING (FY)	45	37	37
BE	ELECTRICAL ENGINEERING (FY)	45	10	10
BE	CIVIL ENGINEERING (FY)	45	21	21
BE	ELECTRONICS & T ELECOMMUNICATIO N ENGINEERING (FY)	45	1	1
BE	MECHANICAL ENGINEERING (DSY)	89	95	89
BE	COMPUTER ENGINEERING (DSY)	22	13	13

BE	ELECTRICAL ENGINEERING (DSY)	48	29	29
BE	CIVIL ENGINEERING (DSY)	33	30	30
BE	ELECTRONICS & T ELECOMMUNICATIO N ENGINEERING (DSY)	51	17	17
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	754	0	64	0	0

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
64	64	5	6	0	4

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

Yes. There is a mentor for a group of 20-25 students which is allotted by the Principal. Mentors meet their mentees on a weekly basis which is incorporated in their academic time table. During this meeting the mentors interact with their mentees to discuss their needs or support required. A Data is maintained by each mentor with the details of the mentee, including a passport-size photograph and also incorporates details of all interactions and functions carried out in the same. Further, a quarterly meeting also takes place of all the mentors with the Vice-Principal and the Principal of the institution to update them on the student progress and to discuss issues, if any. In the last academic year, we had some problems that the mentees had encountered, for which the potential strategies were formulated and were resolved.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
754	64	1 : 15

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
63	64	0	0	2

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Prof. Vivek Parhate	Vice Principal	Trust worthy Award by NRDRS, Nagpur
2019	Prof. Ram Wayzode	Assistant Professor	Trust worthy Award by NRDRS, Nagpur
2019	Prof. Vijay Nagpurkar	Assistant Professor	Trust worthy Award by NRDRS, Nagpur
2019	Prof. Amol Musale	Assistant Professor	Trust worthy Award by NRDRS, Nagpur
2019	Prof. Sangita Itankar	Assistant Professor	Trust worthy Award by NRDRS, Nagpur
2019	Prof. Shailesh Birthariya	Assistant Professor	Trust worthy Award by NRDRS, Nagpur
2019	Mr. Manoj Guhe	Registrar	Trust worthy Award by NRDRS, Nagpur
2019	Dr. Chandrakant Ragit	Principal	Dewang Mehta National Education Award
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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
BE	461361210, 461319110, 461329310, 461324510, 461337210	VIII	10/05/2019	07/06/2019
BE	461361210, 461319110, 461329310, 461324510, 461337210	VI	11/05/2019	07/06/2019
BE	461361210, 461319110, 461329310, 461324510, 461337210	IV	13/05/2019	14/06/2019
BE	461361210, 461319110, 461329310, 461324510,	II	09/05/2019	20/06/2019

	461337210			
BE	461361210, 461319110, 461329310, 461324510, 461337210	VII	30/11/2018	31/12/2018
BE	461361210, 461319110, 461329310, 461324510, 461337210	V	29/11/2018	31/12/2018
BE	461361210, 461319110, 461329310, 461324510, 461337210	III	30/11/2018	31/12/2018
BE	461361210, 461319110, 461329310, 461324510, 461337210	I	12/12/2018	22/01/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Evaluation is as per time-table and norms set by the University

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

An academic calendar is prepared by the Incharge at the beginning of odd and even semester. This includes the academic activities at the college level. The draft calendar is discussed in HOD's meeting and all the suggestions which are approved in the meeting is incorporated before releasing the calendar to all departments by the principal. All the internal assessment tests are conducted centrally as per the academic calendar. All other activities Cultural day, Technical Events etc. are celebrated as per the plan. In case of any emergency a particular event may be rescheduled with the permission of the head of the institution.

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://scetngp.com/mechanical-department/>

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
461361210	BE	MECHANICAL ENGINEERING	52	37	71.15
461319110	BE	CIVIL ENGINEERING	52	46	88.46

461329310	BE	ELECTRICAL ENGINEERING	30	25	83.33
461324510	BE	COMPUTER ENGINEERING	31	31	100
461337210	BE	ELECTRONICS & TELECOMMUN ICATION ENGINEERING	16	14	87.50

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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://scetngp.com/student-satisfaction-survey-2018-19-2/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Industry sponsored Projects	260	Vidarbha Industries Association	0.2	0.2

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3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on Advance Course in Machine Learning Artificial Intelligence	Electronics Telecommunication Engineering	22/04/2019
Guest Lecture on Patent Filling	Mechanical Engineering	27/08/2018
One day workshop on Recent trends in CAD/CAM	Mechanical Engineering	30/07/2018
Guest Lecture on Fuel and fuel transportation for powerhouse	Mechanical Engineering	14/08/2018
One day Workshop on Personality Development	Mechanical Engineering	18/08/2018
Seminar on HVAC System	Mechanical Engineering	01/01/2019
Seminar on Career opportunities in Siemens Software	Mechanical Engineering	08/02/2019
Guest Lecture on Scope of Automotive sector	Mechanical Engineering	01/01/2019
Seminar on Artificial	Electronics	10/09/2018

Intelligence	Telecommunication Engineering	
Seminar on Broad Band Antenna	Electronics Telecommunication Engineering	08/01/2019
Seminar on Python Programming	Computer Engineering	15/09/2018
Seminar on Optimizing Compilers for modern Architecture	Computer Engineering	01/05/2019
Seminar on Beyond SQL and relational Data model	Computer Engineering	03/06/2019
Seminar on Carrier Orientation	Civil Engineering	15/09/2018
One day workshop on writing research paper	Basic Science and Humanities	29/12/2018
Seminar on Motor Designing	Electrical Engineering	19/09/2018

3.2.2 – 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
Economic Design and Fabrication of Stair Climbing Wheel Chair	Hitesh Daf, Rahul Bisen, Amit Chaurasiya	TGPCET, Nagpur	22/02/2019	National Level
Cozmo Clench	Kiran Birgodiya, Mayur Gujarkar, Nikhil Nikam	Techfest, IIT Bombay	16/12/2018	National Level
Paper Presentation Competition Winner	Sushruta Shende, Dhyndeo Mohankar, Shrdha Gedam, Dipeeka Deshmukh, Suraj Mahajan	SCET, Nagpur	07/03/2019	National Level
Paper Presentation Competition Runner-Up	Amit Bhudhe, Bhushan gabhane	SCET, Nagpur	07/03/2019	National Level
Bridge Compition	Akshay anturkar, aaradhana Deoghare, prajwal nagarika sarang sawarkar, ashish bhudhe	SCET, Nagpur	08/03/2019	National Level
Water level Indicator	Nitu Kantode, Harshada	SCET, Nagpur	03/08/2019	National Level

Kawale, Komal
Chaudhari,
Diksha hajare

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NA	NA	NA	NA	NA	02/07/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
	3	

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Civil Engineering	2	0
International	Civil Engineering	8	5.0
National	Electronics Telecommunication Engineering	2	0
International	Electronics Telecommunication Engineering	4	3.5
National	Computer Engineering	3	0
International	Computer Engineering	6	3.0
National	Mechanical Engineering	4	0
International	Mechanical Engineering	12	3.5
International	Electrical Engineering	8	5.0
International	Basic Science Humanities	7	3.5

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

Department	Number of Publication
Civil Engineering	8

Electronics Telecommunication Engineering	4
Computer Engineering	6
Mechanical Engineering	4
Electrical Engineering	8
Science Humanities	7
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3.3.5 – 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
Review on Programmin g Structuring used for Open Source Development in the Game Engine	MR. VIVEKANAND P. THAKARE	International Journal of Management , Technology And Engineering, ISSN NO : 2249-7455	2019	2	SCET, Nagpur	1
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3.3.6 – 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
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	42	0	21
Presented papers	46	5	0	0
Resource persons	0	1	0	3
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3.4 – Extension Activities

3.4.1 – 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

Tree Plantation activity	NSS	6	50
Unnat Bharat Abhiyan	NSS	5	50
National Youth Day	NSS	6	250
National Voters day	NSS	6	200
Road Safety Abhiyan	NSS	54	256
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3.4.2 – 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
Cozmo Clench	3rd Position	Techfest, IIT Bombay	3
No file uploaded.			

3.4.3 – 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
Swachh Bharat Abhiyan	NSS, SCET, Nagpur	Swachhta Abhiyan	6	50
Unnat Bharat Abhiyan	NSS, SCET, Nagpur	Village Survey	5	250
Seminar on Gender Sensitivity	Womens Gravience Cell, SCET, Nagpur	Gender Sensitivity	2	50
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – 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
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
30	29.16

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
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	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 partially)	Version	Year of automation
Digi. Softlib	Fully	5.5	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	9101	3554789	2298	539848	11399	4094637
Reference Books	1201	403763	189	21232	1390	424995
e-Books	226	30071	82	13570	308	43641
Journals	612	405977	44	80362	656	486339
e-Journals	259	30071	90	13570	349	43641
Digital Database	901	190948	194	34652	1095	225600
CD & Video	418	30806	22	7512	440	38318
Library Automation	3	130071	1	13570	4	143641

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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
NA	NA	NA	02/07/2018
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	420	8	420	1	1	14	6	50	1
Added	0	0	0	0	0	0	0	0	0
Total	420	8	420	1	1	14	6	50	1

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

50 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
NA	NA

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
150	135	140	124.61

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)

1. Library:- Library is providing open shelf system for its users. Student need to present their valid photo ID for facilitating check out. They can borrow three books for Fifteen days and faculty can borrow five books at a time Library is providing Opac facilities to users to searching the books available in the library. The maintenances and upkeep of the infra facilities are carried out with the support of the heads of the particular infrastructure department (civil maintenance incharge, supervisor water and sewage, supervisor building, supervisor carpentry, supervisor gardening supervisor electric etc. 2. Laboratory Equipment :- The equipment and machines in the laboratory are maintained by the lab- incharge with the advice of HOD. 3. Computer software UPS :- The computer are maintained in the institution by support of Computer Engineering Department , This Department provide the integrated IT services like smooth running of automation, up-gradation and maintenance of websites,

biometric , hardware , networking equipment etc . 4 . Vehicles transport :- The buses are plying covering all the routes for the use of students, Monthly fees is charged for availing transport facility by student. Emergency van is available in the college 24x7 hours for students and faculty at the time of emergency. 5. Sport Department :- This department is facilitating students to make the play in sports ground and providing play kits. Varies games, cricket, volleyball, Badminton, Indoor game like T.T, carom, chess. 6. Health care :- Medical officer is available for any emergency treatment.

<http://scetngp.com/home/>

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
No Data Entered/Not Applicable !!!			
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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 implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Campus Recruitment Trainings and Career Counselling of all final year students	0	189	0	131
2018	Guidance for competitive examinations for final year students	158	0	2	0
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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

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
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	Mechanical Engineering	Mechanical Engineering	Ramdevbaba College of Engineering, Nagpur	M-Tech
2019	1	Mechanical Engineering	Mechanical Engineering	VNIT, Nagpur	M-Tech
2019	1	Mechanical Engineering	Mechanical Engineering	G. H. Raisoni College of Engineering, Nagpur	MBA
2019	1	Civil Engineering	Civil Engineering	Dubai	MS
2019	1	Mechanical Engineering	Mechanical Engineering	Canada	MS
2019	1	Mechanical Engineering	Mechanical Engineering	Germany	MS
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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	2
GRE	3
Any Other	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Yuvarang Mahotshav Winner	National	0	1	2015016601 833871	Omkar Mude

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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 Institute has well established student representative council which organizes the various co curricular and extra curricular activities for overall development of the students at the Institute Level. Every department has its own departmental forums. Student Council is formed by nomination out of each Department. It is an official body to look after the welfare of the students, give voice to student grievances and to suggest improvement and augmentation of academic and physical infrastructure. These council and forums are professionally organized, managed and owned by the student's community. Each class has CRs as their Class Representative, students and alumni are the members of the IQAC.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

205

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Annual Meet

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)

Institute has a mechanism for delegating authority and providing operational autonomy to all the various functionaries to work towards decentralized governance system. 1. Principal level The Governing Body delegates all the academic and operational decisions based on policy to the various monitoring committees headed by the Principal in order to fulfill the vision and mission of the institute. 2. Faculty level Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular and extracurricular activities. They are given authority to conduct seminars/workshops/conferences/FDP's. 3. Student level Students are empowered to play an active role as coordinator of co-curricular and extracurricular activities, social service group coordinator. 4.

Participative Management The institute promotes a culture of participative management by involving the staff and students in various activities. All decisions of the institution are governed by management of facts, information and objectives. Both students and faculties are allowed to express themselves for any suggestions to improve the excellence in any aspect of the Institute.

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
Curriculum Development	Curriculum is developed and framed by the University, The institution does not have any say in It.
Teaching and Learning	New and modern methods of teaching and learning like field trips, films PPTS etc. are utilized and regular feedback from students is obtained
Examination and Evaluation	Examinations are decided by the university including evaluation procedures.
Research and Development	Allocation of funds for research in the annual budget. This is used for supporting selected student and departmental/faculty research projects financially, in addition to procurement of and maintenance of equipment's for research and subscription to various research resources by the central library.
Library, ICT and Physical Infrastructure / Instrumentation	It is always maintained and constantly upgraded.
Human Resource Management	All departments are adequately staffed with the right skill sets for efficient performance. Good performance is duly recognised
Industry Interaction / Collaboration	The institution continues to propagate industry connect through: 1) Technical talks / Invited seminars 2) Industry visits / tours 3) Students' project work / internships 4) MOU(Memorandum of Understanding)
Admission of Students	Admissions are purely on Merit and there is no management quota (which has been surrendered to the college for allotment on merit)The procedure of the admission is governed by guidelines issued by the Govt. of Maharashtra and University of Nagpur

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

E-governance area	Details
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Planning and Development	Not implemented
Administration	Yes, Circulars/Communication through Email.
Finance and Accounts	Tally and other related software's are used by the accounts department for accounting purpose.
Student Admission and Support	The data is maintained by the admission cell of the admitted students. The data is maintained as per the area of specialization and class wise. This helps the admission department to keep track of the students admitted to the college and seats lying vacant in the institute.
Examination	In the university examination the online question papers system is adopted by the University. The Online valuation system is adopted and executed which returns results the fast declaration of the University results. All the Internal examinations marks are online submitted to the university.

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
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	One day workshop on Intellectual Property Right and Patent Filing.	Nil	27/08/2018	27/08/2018	60	0
2018	Nil	Training on Microsoft Word and	17/12/2018	19/12/2018	0	28

		Microsoft Excel" for Institute's non Teaching staff members.				
2018	One day workshop on Art of Writing Research Paper.	Nil	29/12/2018	29/12/2018	64	0
2019	Five days faculty development program (FDP) on Advance Course in Machine Learning Artificial Intelligence.	Nil	22/04/2019	26/04/2019	34	0
2019	Nil	One Day Workshop on "Professional Soft Skills Development" for Non Teaching staff.	29/04/2019	29/04/2019	0	21

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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
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
28	36	0	50

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students

Insurance Scheme, Medical Leaves, Transport Facility, Sick room facility, Fee Concession for ward of faculty member admitted in the Institution.	Insurance Scheme, Medical Leaves, Transport Facility, Sick room facility, Fee Concession for ward of faculty member admitted in the Institution.	Transport Facility, Sick room facility, Canteen Facility, Sports facility, Gym Facility, Institute Level need based and merit based scholarship, Financial aid provided by the Institution for Significant Projects
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6.4 – Financial Management and Resource Mobilization

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

Yes .Internal Audit is conducted by in-house staff and External Audit is conducted by independent External Auditor.

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
CAD Center, Nagpur	10000	Consultancy Services provided by Mechanical Engineering Department
No file uploaded.		

6.4.3 – Total corpus fund generated

35000

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	External Independent Agency	Yes	Academic Audit Committee
Administrative	Yes	External Independent Agency	Yes	Administrative Audit Committee

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

a. Parent Teacher meeting is organized once in each semester. b. Students attendance and internal examination results are Send to parents for regular monitoring of their wards progress. c. Parents are encouraged to be a part of institutional committees for student's welfare.

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

a. Workshops for support staff b. Financial Aid on case to case basis c. Personal Counselling

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

1. Formation of IQAC committee of the Institute. 2. I AQAR uploaded on 20 December 2018. 3. Strengthening of feedback mechanism from all stake holders for continuous improvement. 4. Regular Internal Academic and Administrative

Audits.

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	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Administrative Training Programme "Training on Microsoft Word and Microsoft Excel" for Institute's non Teaching staff.	17/12/2018	17/12/2018	19/12/2019	28
2019	One day workshop on 'Computer awareness and skill development' for Non Teaching staff.	29/01/2019	29/01/2019	29/01/2019	21
2019	Administrative Training Programme "Training on Microsoft Word and Microsoft Excel" for Institute's non Teaching staff.	05/04/2019	05/04/2019	06/04/2019	38
2019	Internal Academic Audit (2018-2019)	27/05/2019	27/05/2019	29/05/2019	64
2019	Internal Administrative Audit (2018-2019)	27/05/2019	27/05/2019	29/05/2019	16

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women Grievance Redressal Committee organized guest lecture on Relationship Issues.	27/07/2018	27/07/2018	38	22
Women Grievance Redressal Committee organized Awareness program on Healthy Sexuality.	13/12/2018	15/12/2018	64	0
Women Grievance Redressal Committee organized Seminar on Gender Sensitivity.	26/02/2019	26/02/2019	25	25
Women Grievance Redressal Committee organized Health check-up camp.	08/01/2019	08/01/2019	58	73
NSS and Women Grievance Redressal Committee organized Blood donation camp.	06/02/2019	06/02/2019	22	48
NSS and Women Grievance Redressal Committee organized Eye Check-up camp.	26/12/2018	26/12/2019	16	24

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

The Institute campus is clean and green with well maintained trees, bushes, lawns, landscaping's, etc. The Institute has undertaken green initiatives and has installed 50 KW rooftop solar power plant in its premises, has a rainwater harvesting project has been implemented.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	6

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Aarambh 2018	02/08/2018	"Aarambh 2018" is a hand book provided to the first year inducted students. It contains information and Institutional details that are essential to them.
Code of Conduct For Teaching and Non-Teaching Staff	11/06/2018	Code of Conduct is a hand book provided to all Teaching and Non-Teaching Staff. It includes all the Responsibilities, Welfare schemes, Rules and Regulations.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Green Audit. 2. Solar power of 50 K. W. is installed in the campus. 3. vermicompost Plant 4. Classrooms are provided with large size windows so that natural light are sufficient instead of using the electric lights. 5. Air conditioners are used only at essential places and that too if the situation warns badly. 6. The UPS Batteries are being maintained in good conditions which reduces the charging current of batteries 7. The Institute has installed a rain water harvesting system on the campus. 8. Students and Faculty members organizes Tree Plantation Program every year in the campus and around nearby villages and schools. 9. World environment day celebration. 10. Lights and fans

are switched off when not required.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - I Title of the Practice: Promotion of Research Goal of this practice: The main focus is to inspire the faculty to pursue higher studies and promote for Research in order to improve their skills and for that several efforts are made by the management of the college. The Context: # Incentives are paid to faculties for publishing research papers in International Journals and Conferences. # Faculty is motivated for attending the workshops, conferences, seminars by paying Registration fee. # After the completion of Ph.D. program significant increase in the pay is given. Impact of the practice: # Due to efforts taken by the Management, several staff members are motivated to register for Ph.D. program. # Publication of research papers in reputed journals with high impact Factor motivates the faculty in research. Best Practice- II Title of the Practice: Student Motivation Goal of this practice: To encourage students for participating in curricular and co-curricular activities. The process: # The students are likely to be good in academics and should have well at industrial experience. Apart from academics, they are also required to update their knowledge with the latest developments in technology related to their research field. # Along with good academic record, the students need to develop leadership qualities and good communication skills and soft skills. # For these aspects, experienced faculties and prominent personalities from various reputed institutes and industries are invited to impart the practical exposure to the students through workshops, seminars, guest lectures, etc. # The students are motivated to share their ideas with the outside world by presenting their work in National / International Journals Conferences. Impact: # International Conference on 'Tech Trends in Science and Engineering' has been conducted 7th and 8th March 2019. # Three University Toppers.

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

<http://sctengp.com/institute-best-practices/>

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

Through proper planning and strategies, the institution focuses at delivering to its best ability the vision of the college. The quality education is provided through regular classes and by conducting various programs where students are fully involved. All the departments frequently organize various seminars, workshops, webinars and guest lecturers from industry professionals and well known academicians regularly. Skill Enhancement Programmes, Value Added Courses, ADD ON Courses, Soft Skills Development Programmes, Industrial Trainings/Internships, Industrial Visits Tours and Live Industry Projects are regular happenings in the departments which are aiding in the professional growth of the students. Various cleaning and awareness programs are conducted by the NSS unit of the college. Various Social Programs like Fresher's day, Teachers' Day and various Games Sports events like Sambhav, Inter class Cricket tournament, Badminton, volleyball, inter-class singing and dancing competitions etc, are organized with the help of students Council. Staff and Students are sent to visit other institutions, colleges and industries through various Student Exchange programs, Field Trips etc.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

1. To organize more quality initiatives, not necessarily academic, but also health related and student centric. 2. To conduct more programs for women empowerment, including female students and staff. 3. To encourage faculty students for higher studies. 4. To organize International Conference on recent trends. 5. To established useful community connect. 6. To sustain and enhance quality in the emerging demand of the time. 7. To enhance the internship facilities and assistance. 8. To develop industry ready engineer. 9. To establish interdisciplinary collaboration and Projects. 10. To provide entrepreneurship development facilities to students. 11. To develop research culture.