Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**SWARNANDHRA COLLEGE OF ENGINEERING & TECHNOLOGY**
Name of the head of the Institution	**Dr.S SURESH KUMAR**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+918883228722**
Mobile no.	**9121214503**
Registered Email	**principal@swarnandhra.ac.in**
Alternate Email	**nice.ssk@gmail.com**
Address	**Seetharampuram**
City/Town	**NARSAPUR**
State/UT	**Andhra Pradesh**
Pincode	**534280**

2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	**19-Jun-2014**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.C.Sivapragash**
Phone no/Alternate Phone no.	**+919790204048**
Mobile no.	**9346610099**
Registered Email	**scetiqac@gmail.com**
Alternate Email	**sivadr2002@gmail.com**

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.swarnandhra.ac.in/images/AQAR/AQAR-2017-18.pdf
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.swarnandhra.ac.in/autonomous/711-academic-calendars-2018-19

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.32**	**2013**	**08-Jul-2013**	**31-Dec-2019**

6. Date of Establishment of IQAC	**31-Jan-2013**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
No Data Entered/Not Applicable!!!		
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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
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File

10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

No Data Entered/Not Applicable!!!

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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
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Academic Council	25-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	19-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Yes, the Institute has a well designed Management Information System. All the major academic and nonacademic activities are implemented through MIS. Management Information System (MIS) software has been developed for all preexamination, examination, postexamination and supplementary processes such as Time table generation, student list generation, online payment for examination detention list attendance of students, all internal and end semester examinations, entry of all internal marks tabulations, result declaration, results analysis, etc. are done through MIS system. • Modules are currently operational. • Automatic Student ID Generation • Automatic Students Transaction in Next Semester • Roll List generation. • Online Attendance entry and monitoring/reports • Consolidation of Internal Marks • Online Exam Registration • Hall ticket generation based on the students exam form. • Generation of TR • Generation of Grade cards. The central library consists of features like ILMS, which is very useful to the students as well as faculty members. With the introduction of the Integrated Library Management System software EZ library in the College Central Library, one can easily access the account information like books taken and due to return through student and staff members

database, which is linked with ILMS software. The librarian enters the number of books available and names of the books, author name, purchase details, issue book details, reference books available in the database. Every book is given a barcode with the number, and it is linked with the College ILMS system. The College Central Library has Online Public Access Cataloguing System (OPAC), which helps search the book availability and its location in the library. It is helpful to the students and staff members to avoid the time wastage. The ILMS system in the library provides better and efficient services to the students and faculty members.

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
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!		
View File		

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	Civil Engineering	04/06/2018
BTech	Electrical and Electronics Engineering	04/06/2018
BTech	Mechanical Engineering	04/06/2018
BTech	Electronics and Communication Engineering	04/06/2018

BTech	Computer Science and Engineering	04/06/2018
BTech	Information Technology	04/06/2018
Mtech	CAD/CAM	13/08/2018
Mtech	Power Electronics	13/08/2018
Mtech	VLSISD	13/08/2018
Mtech	Computer Science and Engineering	13/08/2018
Mtech	Nanotechnology	13/08/2018
MBA	Master of Business Administration	26/06/2018
MCA	Master of Computer Applications	26/11/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		
[View File]()		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained
Successful learning and teaching depend on curriculum that is transparent and effective in terms of goals, learning activities, and assessment of learning outcomes. The institution has committed to offering programs of study that are career-oriented and are a foundation for long-term study and progression, producing graduates/post-graduates who are engaged, resilient, and lifelong learners. The curriculum regularly revises to meet the professional and industrial needs of the present-day global world on par with a few leading institutions in India and Abroad. A significant review of the curriculum takes place every two years, and minor revision may take place as per the changes in regulatory requirements and industry needs. For the purpose, each department of the institution has an administrative mechanism that consists department advisory committee (DAC), Board of study (BOS), and academic council (AC). The

DAC is composed of a programme coordinator, module coordinators, and course coordinators. A series of DAC meetings are conducted to monitor the Outcome-Based Education (OBE), stated PO's, PSO's, and Co's. The DAC gathers view from stakeholders such as faculty, students, alumni, and industry who are visiting our campus and employers through structured questionnaires every year In line with the Vision, Mission of the institution, and the departments, graduate attribute, PEO's, professional bodies and, relevance to the local/regional/national/global development. The BOS comprises senior faculty of the department and five experts, one nominee from parental University (JNTUK), one alumni representative, two from academia and one from the industry. Frequent meetings are convened among the members in the department premises, during this meeting, the feedback and suggestions made by stakeholders are discussed, and a scheme of instruction along with detailed syllabi, credits, and other details are prepared. Further, the BOS amalgamates the feedback analysis carried by DAC and presents the action taken report in the AC forum for its approval. The AC, headed by the principal, university representatives, comprising of eminent professors, industrial experts, and heads of all departments as its members, discuss and evaluate the scheme and syllabi and approve the same with necessary modifications. The AC endorses the BOS recommendation to incorporate existing or new curriculum based on need basis.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2600	180	190	10	11

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
No Data Entered/Not Applicable !!!					
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)

To extend a proper guidance, students are assigned to a mentor. The main objective is to keep the track of the progress of the students and accordingly an academic and career guidance have been extended in the form of

counseling. Parents are informed timely whenever the necessity arises such as attendance shortage and poor academic performance. Outside counselors are also invited for further counseling to deal their psycho-social problems. Counseling hours In addition to that Counseling, hours are also included in the time table. During these hours each faculty gives guidance to 20 students. They do mentor to the students and help them to overcome their problems. DETAILS OF MENTORS FOR THE ACADEMIC YEAR 2018-2019: B. Tech-Civil Engineering: 12, B. Tech-Electrical Electronics Engineering: 16, B. Tech-Mechanical Engineering: 32, B. Tech-Electronics Communication Engineering: 31, B. Tech-Computer Science Engineering: 33, B. Tech-Information Technology: 10, B. Tech-Basic Science Humanities: 25, MCA: 05, MBA: 06. LIST OF MENTORS 2018-2019: Mr.G.V.L.N.Murthy, Mr.A.Venkata Krishna, Mrs.CH .Prasanthi, Dr.M.S.V.K.V Prasad, Mr.K.siva, Mr.K.Bharat Kumar, Mr.B.Uma Bharathi, Ms.P.Sowjanya, Mr.B.Raju, Ms.K.Ramya, Mrs.P.Arunakumari, Mr.T.Jaganath, Mr.K.Suresh, Mr.M.Sarath, Mr. B. Bhargav Santosh, Mr.M.Rajayya, Mrs. B. Naga Rupa, Ms. B. Naga Malleswari, Mr.S.Rajshekar, Mr.B.Subrahmanyam, Mr.J.Ramachandra Rao, Mrs. U. Naga Hymavathi, Mr. AVD Suresh Kumar, Mrs.K. Naga Rupa, Mrs. N. Lavanya, Mr.A.Satyanarayana, Mr. M Sridhar, Dr.K.S.Gowri Sankar, Dr. K. Balaji Reddy, Mr. K Balaji, Mr. CH Harish Kumar, Mr. G G Mary, Dr. T V V Sudhakar, Mr. P Satyanarayana Raju, Mr. S V Prasad, Mr. K Rajkumar, Dr. P Venkateswarlu, Mr. B Mahesh Krishna, Dr. G Robert Singh, Mr. N B Raju, Mr K Durga Hemanth Kumar, Ms. B Haritha, Mr. G Shankara rao, Ms. S Katyayani, Mr. Abdul Azeez, Mr. K B S V D Prasad, Mr. B Srinivas, Mr. Y Chandra Sekhar, Mr. R Lalitha Narayana, Mr. V Murali, Mr. V Kula Sekhar Reddy, Mr. P Sathish, Mr. R Sam Sukumar, Ms. M Padmalatha, Mr. K Phani Teja, Ms. B N S Durga, Mr. N V S Shankar, Mr. K Hanumantha Rao, Mr. M Veera raju, Ms. S Katyayani, Dr. S Sarvanan, Mrs. G. B. Christina, Ms.B.Pavani, Ms.K.Hema Malini, Ms.D. Hinduja, Ms.E.Suma, Mr.B.Shiva Kumar, Mr.K.Pola Raju, Mr.M.Murali, Mr.N.S.N.Murthy, Mr. Y. V. A. Prasad, Mr. Ch.K.L.Rao, Mrs. K. K. V. Girija, Mr. R. Gopi Krishna, Mrs. S.Karuna, Mr. V. Satya Kishore, Mr. M. Prem Chand, Mr. K.A.Ravi Kiran, Mr. S.Raja Babu, Mrs.G.P.Karthika, Mr. J. E. N. Abhilash, Mr. S. Srilali, Mr.D.Sekhar, Mr.K.V.B.Chandra Sekhara Rao, Dr.K.Balamurgan, Mrs.M.Radha Rani, Mr. Y.Jaipal Reddy, Mr.R. Murali Krishna, Mr. I. V. Ravi Kumar, Mr.Y.Venkatesh, Dr.P.Vamsi Krishna Raja, Dr.Uttam Mande, Dr.B.Rama Krishna, Dr.T.Veramani, P.V.Naga Srinivas, G.Sudhakar, M.Lakshmi Narayana, P.Ravi Kiran, K.Rajesh Kumar, M. Satyanarayana, D.Chittibabu, N.Tulasi Raju, S.Umamaheswara Rao, K.Devi Prasanna, K.Dileep Kumar, M.Winson, V.Rajitha, G.Lalitha, A.Annapurna, V.L. Karthik, Y.N.V.Raghava Rao, P.Srinivas Rao, I.Praveena, P.Samba Siva Raju, G.Archana, B.Ajay Kumar, B.Aswini, K.Bhanu Chand, P.Sravani, B.B.Murali Krishna, M.Amala, K.Ch.S Prabhakar Rao, P.Vinay, G. Subhakar Rao, JNSS Janardhana Naidu, G. visweswara Rao, Ahmad Mohiddin Shiek, CH. Rama Krishna Raju, K. Raja, P. Sunanda, R. Hemalatha, K.Sarath Chandra. G.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2780	170	16.35

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
190	211	0	35	26

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr A Gopichand	Professor	Distinguished Professor under the Category HEI Professor from AUROPATH GLOBAL AWARDS 2019 Excellence in Educational Services

| 2019 | Dr S Suresh Kumar | Principal | Outstanding principal under the Category HEI Professor from AUROPATH GLOBAL AWARDS 2019 Excellence in Educational Services |
| 2019 | Dr.P.Vamsi Krishna Raja | Professor | Excellence in Research |

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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
No Data Entered/Not Applicable !!!				

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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
1	2694	0.037

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.swarnandhra.ac.in/NAAC/C2/2.6/2.6.1.pdf

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					

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2.7 – Student Satisfaction Survey

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

No Data Entered/Not Applicable !!!

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

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

No Data Entered/Not Applicable !!!

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
No Data Entered/Not Applicable !!!		

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
institution Innovation Council	Swarnandhra College of Engineering and Technology	Ministry of HRD	21/11/2018	Innovation
Patentable innovations on the World IP Day	Dr.P.Vasmi Krishna Raja	NOVEL IPR ACADEMY and Kalam institute of Health Technology	26/04/2019	Outstanding Contribution
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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
1	IOT incubation Centre	Smaragdine Technologies Pvt. Ltd.	IIOT industry of Excellence	IIOT devices	20/03/2019
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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
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	13	1.5
International	Maths	8	1.2
International	ECE	2	2
International	EEE	10	1.3
International	CSE	11	1.6
International	SH	35	2.5

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

Department	Number of Publication
ECE	9

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!						

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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
No Data Entered/Not Applicable !!!						

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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/Semina	26	47	0	0

rs/Workshops				
Resource persons	**0**	**0**	**4**	**0**

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				

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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 activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			

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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
No Data Entered/Not Applicable !!!			

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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 activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
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
563.15	101.19

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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

EZ library	Fully	V 10.0.9.23-EZ library	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	35077	7420352	145	66644	35222	7486996
Reference Books	6033	1342331	57	26522	6090	1368853
e-Books	0	0	0	0	0	0
Journals	46	137124	0	0	46	137124
e-Journals	265	384293	193	277500	458	661793
Digital Database	1	43706	1	57820	2	101526
CD & Video	2037	0	177	0	2214	0
Library Automation	1	57820	1	44840	2	102660
Weeding (hard & soft)	81	1067	37	8185	118	9252

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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
No Data Entered/Not Applicable !!!			

[View File](#)

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	953	26	953	3	3	26	30	150	0
Added	103	3	103	0	0	0	0	0	0
Total	1056	29	1056	3	3	26	30	150	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Lecture capturing system	http://swarnandhra.ac.in/2-home/767-mediacenter

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
300	295.91	150	123.94

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)

Swarnandhra College of Engineering and Technology (SCET) Maintenance Management System is subdivided as Physical, Academic and Support facilities. Institution made a provision in the budget for maintenance of its physical and academic support facilities. Routine maintenance of the infrastructure facilities are carried out by the supervision of the Estate Officer and Superintendent. Class Rooms: Use of non-dust chalks. Daily sweeping of classrooms Wet cloth cleaning of benches (at least twice a week). Blackboard cleaning (with a wet cloth daily). Common dust bins are provided at various locations on each floor and in every classroom. Laboratories - Maintenance Utilization: The preventive maintenance plan is followed in laboratories. Periodical checkups and calibration of equipment all laboratories often take place. The repairs and servicing of the equipment is done by the Lab technicians and concerned technical persons under the supervision of lab in-charge. Stock verification is conducted in all laboratories every year. Provision for maintenance is provided in the annual budget of the institution. Library: The institution has a central library along with departmental libraries. The maintenance of the library includes shelving, shifting, sorting, binding, searching for missing items, preservation and making sure the stacks are presentable and organized. Verification of books and replacing/ordering new books are done once every six months. Sports Activities: Students are well encouraged to participate in extracurricular activities, sports and games. Institution has excellent infrastructure for various sports and games, viz., Cricket, Football, Table Tennis, Badminton, Shuttle, Volley Ball, Athletics etc. The physical director monitors the sports and games equipment. A proper record is maintained in the department for a physical count of sports material for future use. Hostels: The institution has separate hostel facility for boys and girls along with a gymnasium. The superintendent and hostel wardens look after the maintenance of the hostels and mess assuring the quality and hygiene in the surroundings. Systematic and well-organized management principles are applied for the students to maintain time, discipline in the hostels. Computer Systems Maintenance: There is a group of system maintenance committee, headed by a senior faculty, with a mandate to recommend to the management the need for upgrading existing machines, replacing the obsolete ones with new ones, maintenance of the networking system, purchase of accessories such as switches, routers, printers etc. Internet and Wi-Fi: System administrator and a team of technicians look after the maintenance of daily bandwidth, usage, bandwidth allocation and sharing

http://www.swarnandhra.ac.in/NAAC/C4/4.4.2%20Policy.pdf

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	Financial support for poor and Bright students	629	3772075
Financial Support from Other Sources			
a) National	AP Govt Fee reimbursement	2155	83139000
b)International	0	0	0
No file uploaded.			

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
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
View File					

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		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
47	602	427	9	202	93
No file uploaded.					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	14
No file uploaded.	

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 !!!		
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

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

STUDENT COUNCIL The Institution has a student council for which students are selected depending on their Academic Performance. Student council is a central body that monitors academic, co-curricular and cultural events like the activities of the Vivekananda study circle, the Bhuvanavijayam club, NSS and all the other events organized in and around the institution campus. MESS AND CANTEEN COMMITTEE Mess and Canteen Advisory Committee monitor food quality, sanitation or inconvenience faced by students inside the mess and canteen is being sorted out. HOSTEL COMMITTEE The boys and girls hostels have a committee of nine members. The members including one management member, four wardens (2 Girls hostel wardens 2 Boys hostel Wardens) four students (2 boys 2 Girls) representatives meet to ensure the proper functioning of the hostels and to discuss problems inside the hostel. SPORTS ADVISORY COMMITTEE Members of the committee, including student representatives, take up agenda items like existing facilities, forthcoming tournaments, scheduling of practice timings to various departments, coaching facilities, etc. LIBRARY ADVISORY COMMITTEE The Library Advisory Committee members meet once every month to discuss the availability of books, periodicals and journals, and the procurement of new titles. Students from all branches are made members. The opinion of the students on matters related to the adequacy and availability of books, e-resources, new titles and other facilities are considered. TRANSPORT ADVISORY COMMITTEE The Transport Advisory Committee including Transport In-charge and student representatives to sort out the grievances like inadequacy of seating, timings, the extension of service, providing additional stops, etc. ANTI RAGGING COMMITTEE The anti-ragging committee includes D.S.P, C.I, newspaper reporter, all department heads, two management members, physical director, transport in-charge, boys and girls hostel wardens, local prominent people (Advocate, 2 Parents). If any student faces a problem with the ragging, he/she will intimate to this committee and a complaint will be filed and necessary action is taken. ALUMNI COMMITTEE The institution has an alumni committee, which conducts alumni meets with graduate students. Alumni meet maintains a relationship with each other and review previous meeting activities, interacts with the alumni members, and considers the feedback and suggestions for the

development of the institution. Alumni members are involved in the Board of Studies. INTERNAL QUALITY ASSURANCE CELL (IQAC) The institution established an Internal Quality Assurance Cell (IQAC). IQAC works under the chairmanship of the head of the institution and convener with faculty members from each department. Students are also members of institutional IQAC. Student members consider suggestions and feedback for IQAC.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumni association of Swarnandhra College of Engineering and Technology (SCET) is registered in the year 2007.The alumni association is one of the stakeholders of the Swarnandhra College of Engineering and Technology (SCET). They contribute immensely to the development of the college in multiple dimensions. SCET conducts an Alumni meeting every year. SCET Alumni association is contributing to the college financially, academically in exploring new opportunities. The funds contributed by the Alumni are utilized towards the development of labs, medals, awards to students, other amenities, etc. Alumni have also contributed immensely as members of BOS, delivering Guest lectures, offering Intern-ships, assisting in Placement, organizing Industry visits, and also assisting students to get admissions into reputed Universities Abroad. The Alumni have provided mentoring services to the students by holding one to one interaction with the students. They have become influential in making the students understand the industry-institute gap and also the way to plan and shape up one's career in the right direction. SCET Alumni have been influential in making the students to understand various business opportunities and providing all the support required for preparing them to become entrepreneurs and to know the current dynamics of the industry. Alumni profiles and their growth verticals are being showcased to the present students for guidance. Alumni are influential in introducing the outcome-based education in the University and nurturing professionalism and Industry-readiness among the students. Alumni are invited to participate in their respective BOS. Alumni contributed extensively in bridging the gap between industry requirements and academics by reviewing and restructuring the syllabi. They recommended moderating the delivery of Academics such as experiential learning. Their contribution leads to a change from faculty-centered learning to student-centered learning. Alumni have been deliberately concentrating on the industry-oriented research projects and undertaking consultancy services based on the expertise of the faculty and the kind of research labs supported by the college. The Alumni working at reputed organizations located globally are also helping the outgoing students in their internships. Alumni are providing necessary support and encouragement to develop quality standards that could be used to enhance and raise the quality of delivery of the educational system

5.4.2 – No. of registered Alumni:

698

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

159400

5.4.4 – Meetings/activities organized by Alumni Association :

* Career Guidance Programme, • Entrepreneurship Development Programme • Placement guidance Programme • Project Guidance Programme

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 management is highly committed and dedicated to the service of catering to the contemporary requirements to impart quality education. The management gives freedom to the Principal to fulfill the vision and mission of the college. The management provides the required infrastructure for the proper functioning of the institution. The responsibilities of each faculty member are communicated through principal and HODs in regular staff meetings. The management, principal and faculty of the college are committed towards strategic work, its implementation and maintain perfect documentation, and extend further efforts to continue the effectiveness of the plans through a Quality Management System. Management is committed to ensure conformity and compliance with standards. The institution follows decentralization and participative management which promotes quality in education system. The case study of the preparation of Academic Planner The institution functions with the method of decentralized governance system. The Head of the Department (HoD) has the authority to decide the activities and delegating responsibilities to the staff members. The department decides on the timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing conferences, symposia, guest lectures, and workshops and recommends necessary industrial visits, in-plant training, internships, and MoUs. The institution is functioning effectively with the culture of participative management which enables the Page 78/108 05-03-2020 04:03:51 Self Study Report of SWARNANDHRA COLLEGE OF ENGINEERING TECHNOLOGY faculty and students to give their opinion and suggestions for improvement. All the academic activities are decentralized and decisions are taken based on discussion and deliberations in the class committee meetings, department meetings, faculty meetings, and HoDs' meetings with Principal. The Principal coordinates through the Internal Quality Assurance Cell (IQAC) with the departments, administration, and management. Participative management provides extensive scope for having collaboration among the departments and ensures the quality of planning and implementation of all the activities in the institution uniformly and as a team. Every year Academic Planner is prepared by IQAC, COE HOD's the closure of the previous academic year. Principal will convene the HODs' meeting. The schedule of the following will be discussed and finalized in accordance. Preparation of the next academic year with Working days/test days/model exam days, Department activities, Guest Lectures, Industrial Visits, Internships, Placement Training, Audit Days, FDPs / Workshops / Conferences, and all-day celebrations. The Principal submits the final schedule to Academic Council for approval. All committees follow the same. Nearly 90 of the events as per schedule are conducted every year. The prior preparation of an academic planner helps in identifying resource persons for different activities mentioned and enables the management to invite celebrities. Further, student activities are designed as and when the academic planner provides the available time. Smart classrooms, Seminar Halls, Activity hall, and Separate Registers are available for booking the venues appropriate to the events.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	• We are appointing industry personnel and alumni as members of the Board of Studies. • Curriculum revision will be

	done as and when required. • Receiving feedback from the employers and alumni on the existing curriculum for the required improvement and innovation • Board of Studies (BOS) meetings are conducted to frame/ revise the syllabus.
Teaching and Learning	• We are Promoting the usage of Information and Communication Technologies (ICT). • Implementing Outcome-Based Education (OBE) • Remedial classes were conducted for slow learners. • Expert Lectures and NPTEL Lectures were arranged to create full exposure. • Arranging training on pedagogy and assessing its impact on teaching-learning. • We are arranging Guest Lectures or Workshop to fill curriculum gaps and content beyond the syllabus. • We are encouraging faculty and students towards online certification course. • Smart classroom available.
Examination and Evaluation	• Autonomous end semester examination papers are being set and evaluated by external experts • Continuous internal evaluation • Display of internal answer sheets to the students. • Result will be declared within three weeks from the last date of the exam. • Uploading of provisional result in individual login of students • Display of consolidated internal marks to the students in the respective department notice board.
Research and Development	• Research and development (RD) Cell with convener was established to give support in applying for funding agencies. • Encouraging faculty to register for Ph. D • Providing incentives to faculty for the presentation of research papers, attending conferences, workshops, etc. • We are conducting various awareness programs by experts.
Library, ICT and Physical Infrastructure / Instrumentation	• OPAC (Online Public Access Catalogue)Software for library management • The college joined as an institutional member of DELNET. DELNET connects all libraries of the technical institutions approved by AICTE in the country. • NPTEL (National Programme on Technology Enhanced Learning), web courses and video courses are being used by staff and students to enhance their skills • Wi-Fi connectivity is provided in the campus • Digital Library with twenty

systems was established • Providing access to E-journals such as Springer, ASME and ASCE. • Infrastructure • Providing required computational facilities with a sufficient number of computer and peripherals. • We are providing various amenities such as canteen, indoor and outdoor game facilities, Gym centre, medical centre, hostels and transport. • Closed-Circuit Television (CCTV) cameras have been installed within and around the campus for security purposes

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

E-governace area	Details
Planning and Development	The Institute through the Academics cell uploads tentative detailed calendar for every semester on the Institute website before the commencement of the academic session. The calendar highlights various activities and events viz. admission to various Semesters, internal and external examination schedules, sports, holidays, Induction and farewell programs, etc. The Institute also updates and make aware of the upcoming activities of the Institute and important events held in the Institute through the Institute website and various Medias such as Emails and Whatsapp.
Administration	Biometric system for attendance of faculty and staff. Salary intimation through Email. Form No. 16 sent through Email to all faculty and staff.
Finance and Accounts	Scholarship of students and salaries of employees are credited to their bank accounts directly. Students may pay their admission fees through MIS online
Student Admission and Support	70 Percent of the Seats are done by the Convener, Engineering, Agriculture and Medicine Common Entrance Test (EAMCET), Govt. of Andhra Pradesh through online. Remaining 30 percent of the seats are filled by the Management based on the guidelines given by Govt. of Andhra Pradesh.
Examination	Information regarding examination matters are uploaded on the Institute's Website. Examination forms are filled through MIS online with all processes like payments, results etc. Online examinations are held through BEES platform.Entire Examination Process is

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 !!!				
View File				

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)
No Data Entered/Not Applicable !!!						
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
211	211	39	39

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Swarnandhra College of Engineering Technology offers various schemes to all the employees with the motivation to promote efficiency and efficacy. Welfare measures for teaching and non-teaching members are not only for the development of staff but also for the organizations	Swarnandhra College of Engineering Technology offers various schemes to all the employees with the motivation to promote efficiency and efficacy. Welfare measures for teaching and non-teaching members are not only for the development of staff but also for the organizations	Offering financial support from college management for poor deserve students ? Cash prizes will be given to student for Academic toppers. ? Sponsoring the students to participate in co-curricular and extracurricular activities.

development. Following are the welfare measures provided to teaching and non-teaching staff by the institution: Employees Provident Fund as per PF rules Keeping in view the future safety of employees, the institution contributes a specific amount towards the provident fund of an employee as per PF rules. Group Insurance for staff members The college offers affordable group insurance to all employees that is uniform in nature, offering the same benefits. Maternity Leave A pregnant woman employee in our college is entitled to avail a maximum of 90 days full paid maternity leave. The employees will be normally paid on the same date as their salary would be paid.Fee concession policy to staff children This policy aims to promote the education of wards of the staff. Tuition fee concession will be given to the wards of staff who are studying in this institution. Encashment of Earned Leaves The employee in the institution is eligible to avail of ten earned leaves after completion of every year. These earned leaves are accumulated in the employees account and can be encashed as per the institute service rules. Fee concession for Bus Transportation Fee concession scheme is being implemented for the staff traveling in college buses. The scheme applies to all teaching and non-teaching staff. Subsidized food facility

The institution offers a subsidized food facility to the staff with a reasonable charge that covers the cost of food, its preparation, and service. Subsidized accommodation Subsidized accommodation is provided to both teaching and non-teaching staff of the institution in the hostels. In addition to the above following are the welfare schemes available for the Teaching staff Support to staff for higher education/research Sponsorship is provided to the faculty members to pursue research degrees and leave will be granted to pursue research, to ensure and encourage the faculty in knowledge up-gradation. Support to staff for attending workshops /conferences Faculty members are encouraged to participate in Conferences/Workshops to enhance their quality in academics and to help pursue their research by giving the sponsorships from the institution. Awards Cash awards are given to faculty in recognition to outstanding contributions in paper publications in reputed journals	The institution offers a subsidized food facility to the staff with a reasonable charge that covers the cost of food, its preparation, and service. Subsidized accommodation Subsidized accommodation is provided to both teaching and non-teaching staff of the institution in the hostels.	

6.4 – Financial Management and Resource Mobilization

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

The Institution has established a mechanism for conducting internal and external audits on financial transactions every year to ensure financial compliance. Internal audit is conducted half-yearly by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details, and the compliance report of internal audit is submitted to the management of the institution through the principal. The external audit is conducted once in every year by an external agency. The mechanisms used to monitor the effective and efficient use of financial resources are as below: Before the commencement of every financial year, the principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management College budget includes

recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non – recurring expenses like lab equipment purchases, furniture and other development expenses. The accounts department will monitor the expenses as per the budget allocated by the management. The depreciation costs of various things purchased in the preceding years are also worked out.

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
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

3000000

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 members from Krishna University	Yes	IQAC SCET
Administrative	Yes	External members from Krishna University	Yes	IQAC SCET

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

• Faculty Advisor scheme and regular follow up of wards and parents for the betterment of students. • Monthly performance over phone /SMS of students to their parents and Parents Meetings for poor-performing students • Students performance is available on the college website and accessible to parents.

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

Pillers programme conducted every month for support staff • The technical workshop is conducted to enhance their technological skill • English communication training conducted • Excel /Powerpoint presentation skill training conducted

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

• IoT incubation centre established. • Centre of excellence established. • ISO 9001: 2015 Certification.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
<td colspan="6" align="center">No Data Entered/Not Applicable !!!</td>					
<td colspan="6" align="center">View File</td>					

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
International day of Yoga	21/06/2018	21/06/2018	50	30
Women Rock IT	11/07/2018	11/07/2018	100	20
Empowerment of women in engineering education	28/11/2018	28/11/2018	150	0
Women's day Celebrations	08/03/2019	08/03/2019	200	0

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Percentage of the power requirement of the institute met by the renewable energy sources 57.54. The institution is aware of its environmental conservation responsibilities and embrace the principle of sustainable development to ensure that any adverse environmental impact of its activities is minimized through: Maintenance of Greenery: The institution has carried out detailed studies of environmental aspects, based on this study, significant impact areas have been identified such as paper usage, use of plastic and polythene, internal transport etc. Based on the analysis reuse, reduce and recycle are devised, monitored and implemented. Over the last five years, the following steps were launched by the institution towards creating environmental consciousness on campus. The institution possesses substantial funds for the maintenance of campus as rich with greenery and well-groomed trees. Lawns, garden and avenue trees are maintained on a daily schedule. Trees and shrubs are planted on both sides of roads connecting various blocks. The trees lining the avenues are over 16-17 years. Important green practices are, using alternate energy, rainwater harvesting, waste management and carbon neutrality. Other initiatives include passive solar building- design, energy efficacy, paperless office, say-no-to-plastic and aquifer recharging. In order to support Prime Minister's initiative, "AAO CYCLE CHALAO" to promote the use of the bicycle in the campus. Faculty and students use bicycles to move from one place to another in the campus. All the inside road of the institute are pedestrian-friendly roads with zebra crosses and no horn signs. Students participate in campaigns like "Adopt a Tree, Plantation Drive, Awareness against deforestation, Conserve native species of plants and trees. The campus has green landscaping of plants and trees which covers more than 48 of the area, having varieties of plants and trees which include Ashok, Mango, Drumstick, Neem, Coconut etc. The entire open area has been kept green through heavy

foliage of grass, seasonal flowers and is maintained by professional staff. Carbon Accounting for lowering the gases responsible for Green House effect: All vehicles entering the institution including institution run buses have "Pollution under Control" certificate. All the HVAC equipment are "Freon Free Gases Emission" certified. Campus strictly follows No Smoking Zone principle. Shutdown electrical utilities, the buildings are fitted with glass/mesh windows for maximum utilization of ventilation.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

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 !!!							
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
CODE OF CONDUCT AND PROFESSIONAL ETHICS POLICY	11/06/2018	INTELLECTUAL PROPERTY RIGHTS" during the 5th semester to all B.Tech. Programmes. Every student has to study this course. After completion of this course, students will be able to understand professional ethics as engineers at the same time, they will know how human values should be followed during an invention. Every year we conduct code of ethics as well as professional

ethics awareness
programmes to faculty
also so that our faculty
also follow
professionalism in
performing their duties.
Our college N.S.S wing
also do programmes
related to human value
related programmes.

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 !!!			
[View File]()			

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

Major Eco-friendly campus initiatives: • 400KW (Peak to Peak) solar power generation • Wastewater utilization • Separate bins for waste • E-waste collection centre • A complete ban on polythene at the campus • Student community garden • Use of more LED than CFL • Paperless office administration

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

PRACTICE-I Title of the Practice Course Coordinator-Ship: An Effective Mechanism in Outcome-Based Education Objectives of the Practice Outcome-based education (OBE) is a student-centred instruction that focuses on measuring student performance i.e. outcomes. Outcomes include knowledge, skills and attitudes. The outcomes of the program to be evaluated though, input and output parameters are also important. To assure that a college program meets the quality standards of the profession for which that program prepares its graduates. Though, the evaluation process includes many terminologies such as Program Educational Objectives (PEO), Program Outcomes (PO) and Course Outcomes (CO), different roles were considered to implement and execute the outcome-based education process. Out of which Course Coordinators are an effective role for the execution of activities under various modules of the program. Therefore, Swarnandhra College of Engineering and Technology (SCET) has been practising course coordinator ship effectively to shift the focus of education from educator to learner with the following objectives: • To set high academic content standards • To design curriculum and course works more efficiently • To maintain high transparency in student assessments • To provide core support and essential autonomies for students The Context In the context of OBE, head of the department is the program coordinator (PC) and key role player to execute all the activities of OBE. The PC will monitor and review the activities of the program for all the four years through Module Coordinators. Many modules were considered as per the requirement for the program. Module coordinators (MC) were ratified by the Internal Quality Assurance Cell (IQAC). The module coordinators are responsible for the delivery of the teaching in individual modules and the accompanying administration. Module coordinators conduct meetings with course coordinators (CC) for the execution of activities under their module. The course coordinator is designated wherever the same course is offered by different course lecturers in different sections/classes. The CC is responsible for planning, delivering and assessing the outcomes of the courses offered by him/her during the semester/year. Course coordinators are accountable to the program coordinator for all academic and administrative activities associated with the course instructor. He/she has to work in

coordination with the course lecturer and the module coordinator for the day to day activities and with the program coordinator for the overall course administration. The course coordinator is expected to maintain academic quality in knowledge, pedagogy and alignment of the learning activities with course outcomes and assessment. The Practice To assure the quality of SCET academic programs and facilitating students success at the college the department management appoints course coordinators considering the following criteria's. • Taught the course in multiple times • Senior-most and active members • Possess domain knowledge • Amicable and possess team skills • Constantly update knowledge in emerging areas. Generally, the role (CC) encompasses, course planning, course design and development, course delivery, selection of educational resources, assessment, students learning outcomes and course evaluation. Particularly, the course coordinator tasks may include: • Make a common course handout indicating in detail the syllabus, and the content to be delivered in each session. Even the method/s to be adopted is indicated in the course handout. • Prepare a lesson plan that indicates the specific time allocation for each of the sub-topics of the units. This helps the course instructor to plan their sessions and keep track of the lags and leads in the course delivery. • Prepare PPTs related to the syllabus. • Find textbooks, reference books, other online resources or video lectures etc. • Identify disparities in the delivery of course, as per the session plan and suggest necessary action plans to overcome such run time hassles. • Monitor the progress of the course through weekly course meetings. • Deliberate and approve the subtopics to be delivered in the upcoming week are also discussed. • Provide possible solutions to problems expressed regarding the delivery of the syllabus and or the method to be adopted after discussion in the course meeting. • Discuss the model paper for internal assessment. • The setting of question papers for internal examinations. • Preparing the scheme of evaluation for internal examination • Preparing rubric for indirect assessment Evidence of Success For the triumph implementation of OBE, rigorous meetings that have convened in coordination with PC, MC, CC/ course lecturer for strengthening the curriculum. • The PC has called MC and CC for meeting twice during the academic year and address the action plan of the semester and provides guidelines to the MC and CC. • The MC has conducted the meeting with CC twice in a semester. Wherein guideline for the delivery of the teaching in individual modules was provided. • The CC has conducted the meeting with course lecturers in the event of preparation of course outcome, course material, lesson plan, delivery methods and list of text and reference books at the beginning of the semester. • The CC has conducted the meeting with course lecturers in the middle of the first cycle (MID-I), second cycle (MID-II) and third cycle (MID-III) instruction to monitor the progress of course coverage. • The CC has conducted the meeting with course lecturers before and after MID examination to set internal question paper and to prepare schemes of evaluation respectively. • In this meeting coverage of contents as per outcome and learning perspective, distribution of marks has been ensured. • The CC has conducted a meeting with course lecturers and the questioner, for indirect assessment was decided. It is perceived that the mechanism has ensured the smooth and uniform delivery of a single course in the multi-section scenario. Moreover, attainment of CO and PO has computed collectively and transparently. Thus, CC seems an effective component in the OBE. With the Outcome Based Education, both educators and learners are benefited. Problems Encountered, Resources Required and The common challenges involve while implementing the practice are as follows: • Identifying faculty who have the prerequisites to be course coordinators • Allocating time: It may difficult to find a common time to conduct the meeting as the CC also a course lecturer. They may require time during the semester to meet with and monitor student groups and at the end of the semester to ascertain the contributions of individual team members. • Conflict resolution skills- CC must have the ability to convince the team members those who

reluctance to adopt the new methodology which is common to all human systems. • Some of the programs have a single section, in such a case the MC acts as CC if course lecturer is different. • Commitment and motivation were the most important factor of a faculty that was related to the student's success. Therefore, the exclusive faculty development program is required for better understanding and implementation of OBE. PRACTICE-II Title of the Practice Employability Skills Enhancement Program- an innovative approach Objectives of the Practice The objective of this practice is to provide training to all branches of the students during the pre-final year, semester break and final year to enhance employability skills. The Context After graduation, when students enter the engineering profession, in addition to domain knowledge, other skills and abilities such as communication skills, leadership, innovation, team building are very much required to become successful in their profession, which is not directly covered in the curriculum. To address this need a unique certificate course on employability skills enhancement and career-building is designed which focuses on self-awareness, professional skills and communications. The Practice The pre-final semester break course was implemented in 90 hours in three weeks continuously with make use of third party professional trainer. The course comprises of two parts, one is communication and personal effectiveness, whereas the second is aptitude and logical ability. These are constituted eleven and fourteen modules respectively. The 60-hour course was conducted for the final year students of all the branches. Students are divided into five batches. In a week, each batch attends one session of two hours duration. Total 30 sessions are planned throughout the academic year for all batches. These sessions include as follows: • Verbal skills • Speaking/writing/reading skills • Basic reading comprehension skills • Effective active listening skills • Body language At the end of the training program, every student gets the course completion certificate. Evidence of Success Assessment of the students is carried out at the end to understand the impact of the program which is conveyed to the students individually. Following generalized statements can be drawn based on students' feedback. • The course is observed to help students improve their skills such as individual report writing, creative and strategic thinking, etc. • There is a noticeable positive change in the overall personality of the students who have completed this course. • Mock interviews and group discussion sessions conducted under this program have resulted in positive feedback from the companies visiting the campus. Problems Encountered and Resources Required • This program needs to be planned beyond the students' regular academic engagements. Hence, it becomes challenging to identify free time-slots for large groups of students. •

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.swarnandhra.ac.in/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

The implementation of distinctiveness actions are listed below. 1. Our institution is the first of its kind having "Nano Materials and Devices Research Centre" established in collaboration with International Accreditation Council of Quality Education and Research and offers M.Tech (Nano Technology), with the equipment worth of Rs.61.46 lakhs. In Andhra Pradesh, this college is unique to have well-equipped research laboratory with the cleanroom facility in a self-financing affiliated college which is so broad and universal that they will influence all areas in the ways that are inevitably unpredictable where all department faculty are actively involved. Research grants received from

UGC, AICTE, UGC-DAE, DST, DRDO and IACQER for the projects. 2. Family Project has been introduced for a group which has members of students from final year to the first year. All the members of the group will share, discuss, plan to implement the project. A faculty member is a coordinator for a group. When final year students leave the institution, they will guide their juniors from outside, and new first-year students will join in the same group to continue the project for the completion. If the project is completed, the group will choose a new plan. It will be a continuous process 3. Being a rural-based institution, the students face the challenges in competitions difficulties in grabbing jobs due to lack of communication. For the enhancement of Communication skill, Training programmes are introduced from first year onwards along with their academics. The syllabi were framed differently to attain the ability with international standards for expertise in communication through English lab and had a tie-up with GLOBARENA and FALCON to get high quality in training. 4. The green energy is promoted by the installation of solar panels on all buildings of the institution for the generation of electricity and also solar water heater installed on the hostel buildings. The whole campus is covered with trees and garden to maintain a landscape. 5. Centre of Excellence / Incubation centre was established by the Department of Information Technology in collaboration with SMARAGDINE Technologies Pvt. Ltd, Hyderabad. The centre has Internet facility with high bandwidth for better on-line access to learning materials to enhance research activity in the area of IoT. The institution has signed a Memorandum of Agreement with SMARAGDINE Technologies Pvt. Ltd to provide hands-on experience to the pre-final undergraduate engineering students directly in the projects of Device Authority. Arduino, Raspberry Pi and Node MCU kits are used in these projects on Linux platform. The Incubation Center promotes real-time experience for both student and teaching community thus attaining outcome-based education objectives. 6. Social awareness is the ability to accurately interpret a social environment as well as infer the emotions of others in that environment. Several awareness programmes are conducted for the students to attain awareness on all issues of society. 7. The institution provides free education to economically deprived students by giving various Scholarship schemes such as tuition fee, free transportation and accommodation for the eligible students on merit-basis.

Provide the weblink of the institution
http://www.swarnandhra.ac.in/

8.Future Plans of Actions for Next Academic Year

• Strengthen Industry-Institute Interaction. • Organizing Campus Recruitment Training programs to Engineering students to enhance their employability skills • Improvement of consultancy services. • We are working to get the NAAC A grade in the upcoming submission. • Preparation of SSR and Assessment and Accreditation (AA) for NAAC. • We are going for NBA Accreditation for all the eligible departments. • Creating an excellent research ambiance in terms of establishing recognized RD centres in all the departments. • Establishment of Centre of Excellence in the area of Applied Research and Nano Technology • We are planning to increase the value-added certification courses. • To be ranked in top 150 at prestigious NIRF Ranking. • We are planning to participate in ARIIA Raking. • We are planning to get funds from various government funding agencies like DST, AICTE, MSME, etc. • An International Conference is planning to organise in the even semester. • We are planning to do the Extension of Academic Autonomy and the continuation of accreditations. • We are going to enhance the innovation and incubation centres. • National Level Technical Events are planning to organise in Department wise. • We are going to conduct a workshop on preparing projects for funding agencies. • We are going to conduct a workshop on Writing Research articles for peer-reviewed journals. • We are motivating the faculty members to increase the number of journal and conference publications articles. • A course

on Robotic is planning to organize and collaboration with ECM Germany and APSSDC. • We are going to conduct AAA with External Experts. • We are planning to organize the national level of a smart India Hackathon. • HVAC and Solid works training for students/ planning in collaboration with NSDC, India. • We are planning to encourage the students to participate in the National level formula race events like GO-cart and E-cart. • We are motivating the students for higher studies. • We are planning to introduce a new programmes in the next academic year. • Enhancement of Institutional student chapters in the departments. • We are strengthening alumni association. • We are planning to introduce certificate courses, workshops, and short term courses. • We are enhancing the student's communication skills. • We are planning to increase the number of participants in online certification courses through MOOCs, Swayam, and NPTEL Etc. • Adapting innovative delivery methods • Improving the faculty-student ratio. • We are going to create an awareness of Energy utilization for the near villages.