Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**AMRITA SAI INSTITUTE OF SCIENCE AND TECHNOLOGY**
Name of the head of the Institution	**Dr M Sasidhar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+919490794017**
Mobile no.	**9490797536**
Registered Email	**principal@amritasai.org.in**
Alternate Email	**csehod@amritasai.org.in**
Address	**Amritasai Nagar, Paritala post, kanchikacherla mdl, krishna dist**
City/Town	**vijayawada**
State/UT	**Andhra Pradesh**
Pincode	**521180**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**10-Jul-2018**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Ch China veeraiah**
Phone no/Alternate Phone no.	**+919490794017**
Mobile no.	**9912676555**
Registered Email	**mailmeparitala@gmail.com**
Alternate Email	**eeehod@amritasai.org.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://amritasai.org.in/wp-content/uploads/aqar_report2018-19.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://amritasai.org.in/wp-content/uploads/2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.2**	**2018**	**04-Dec-2018**	**31-Dec-2023**

6. Date of Establishment of IQAC	**02-Dec-2015**

7. Internal Quality Assurance System

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

Python Programming	06-Nov-2019 1	113
Cloud Computing	08-Nov-2019 1	168
Ethical Hacking	09-Nov-2019 1	118
Ethical Hacking	14-Nov-2019 1	169
Soldering practice	18-Nov-2019 1	98
Fan windings	19-Nov-2019 1	103
Engine Assembling	18-Nov-2019 1	56
Measurements & Dimensions	19-Nov-2019 1	49
App Development Productivity Enhancement & Digital Tools	25-Nov-2019 6	159
Development of Smart cities in India.	25-Jun-2019 2	96

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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
ASIST	nil	nil	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

At various occasions and meetings such as Staff, Heads of the Departments, Students' Council, etc. emphasis is given on quality enhancement and quality sustenance in curricular, coCurricular and extracurricular activities. ? Promotion of research activities through Research Committee and Research Academy and Research Fund of Rs. 100,000/ was approved by the Management on the recommendation of IQAC ? Students from Research Academy conducted a miniresearch project to ascertain the degree of addiction to alcoholic and tobacco products in the neighborhood and submit a report of the findings to the Municipal authorities for further action. ? Students from Research Academy conducted a miniresearch project to ascertain the degree of addiction to alcoholic and tobacco products in the neighborhood and submit a report of the findings to the Municipal authorities for further action. ? Started Certificate Course in Social Work for NSS volunteers ? Conducted grooming programme by NSS for underprivileged schoolgoing children from the neighborhood for providing an environment of motivation and guidance to them and inspiring them to be good learners ? Dr. P G Sastry, an expert in the field of education, was invited to address the teaching faculty on the Research Methodology in Social Sciences. ? Upgradation of the office record keeping facilities with modernized

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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
PLANNED TO CONDUCT PYTHON PROGRAMMING WORKSHOP FOR I CSE STUDENTS	HANDS ON EXPERIENCE IN PYTHON PROGRAMMING
PLANNED TO CONDUCT CLOUD COMPUTING WORKSHOP FOR I ECE STUDENTS	HANDS ON EXPERIENCE IN CLOUD COMPUTING
PLANNED TO CONDUCT ETHICAL HACKING WORKSHOP FOR I CSE STUDENTS	HANDS ON EXPERIENCE IN ETHICAL HACKING
PLANNED TO CONDUCT ETHICAL HACKING WORKSHOP FOR I ECE STUDENTS	HANDS ON EXPERIENCE IN ETHICAL HACKING
PLANNED TO CONDUCT SOLDERING PRACTICE WORKSHOP FOR I EEE STUDENTS	HANDS ON EXPERIENCE IN SOLDERING PRACTICE
PLANNED TO CONDUCT FAN WINDINGS WORKSHOP FOR I EEE STUDENTS	HANDS ON EXPERIENCE IN FAN WINDING
PLANNED TO CONDUCT ENGINE ASSEMBLING WORKSHOP FOR I MECH STUDENTS	HANDS ON EXPERIENCE IN ENGINE ASSEMBLING
PLANNED TO CONDUCT MEASUREMENTS AND DIMENSIONS WORKSHOP FOR I CIVIL STUDENTS	HANDS ON EXPERIENCE IN MEASUREMENTS AND DIMENSIONS
PLANNED TO CONDUCT App Development Productivity Enhancement & Digital	HANDS ON EXPERIENCE IN APP DEVELOPMENT

Tools WORKSHOP FOR EEE & MECH STUDENTS	
PLANNED TO CONDUCT DEVELOPMENT OF SMART CITIES IN INDIA WORKSHOP FOR II,III&IV CIVIL STUDENTS	HANDS ON EXPERIENCE IN DEVELOPMENT OF SMART CITIES

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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing body	23-Sep-2020

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	**2020**
Date of Submission	**13-Feb-2020**
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)	**The college has developed IMS softwareinhouse to cater to the needs of the collegein conducting various activities. The maincomponents of the IMS software consists of a)Faculty information b) Student information c)Dept. Information d) Assets information, etc., institution offering ERP software to access online classes, AV lectures, course materials, other notifications etc.. also our management providing separate fund for initiating COVID precautions in institution level.**

<div align="center">Part B</div>

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	01	CIVIL ENGINEERING	06/02/2019
BTech	02	ELECTRICAL AND ELECTRONICS	19/06/2019

Programme	Code	Specialization	Date
		ENGINEERING	
BTech	03	MECHANICAL ENGINEERING	13/06/2019
BTech	04	ELECTRONICS AND COMMUNICATION ENGINEERING	09/05/2019
BTech	05	COMPUTER SCIENCE AND ENGINEERING	15/06/2020
Mtech	43	POWER ELECTRONICS	19/06/2019
Mtech	87	STRUCTUTAL ENGINEERING	06/02/2019
Mtech	68	VLSIES	09/06/2019
MBA	1E	MASTER OF BUSINESS ADMISTRATION	10/07/2019
Mtech	38	DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS	09/06/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Big Data Analytics	13/06/2019	18CS3T5B	13/06/2019
BTech	cloud computing	13/06/2019	18CS3T5C	13/06/2019
BTech	cyber security	13/06/2019	18CS3T5E	13/06/2019
BTech	Web and mobile Development	13/06/2019	18CS3T5D	13/06/2019
BTech	INDUSTRIAL APPLICATIONS OF CAD	13/06/2019	18CE3T5F	13/06/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	ENGINEERING DRAWING-II	13/06/2019
BTech	MANAGERIAL ECONOMICS AND REAL ESTATE FUNDAMENTALS	13/06/2019
BTech	PROBABILITY THEOREY AND RANDOM PROCESS	13/06/2019

BTech	ANALOG & DIGITAL COMMUNICATIONS	13/06/2019
BTech	POWER SYSTEMS-I	13/06/2019
BTech	POWER SYSTEMS-II	13/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CIVIL Engineering	10/06/2019
BTech	Electrical and electronics engineering	10/06/2019
BTech	Mechanical engineering	10/06/2019
BTech	Electronics and communication engineering	10/06/2019
BTech	Computer science and engineering	10/06/2019
MCA	Master of computer applications	29/08/2019
MBA	Master of business administration	29/08/2019
Mtech	Computer science and engineering	17/02/2020
Mtech	Structural engineering	17/02/2020
Mtech	Power electronics	17/02/2020
Mtech	VLSI & ES	17/02/2020
Mtech	Digital Electronics and communication systems	17/02/2020

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
GUEST LECTURE - 7 SECRETS OF SUCCESS	02/03/2019	85
PCB DESIGN	16/03/2019	53
CALLIGRAPHY	03/01/2019	205
SOLDERING PRACTICE	27/06/2019	84
PC ASSEMBLING DESSEMBLING	27/06/2019	101
ENGINE ASSEMBLING DESSEMBLING	14/08/2019	24
ETHICAL HACKING	15/01/2019	18
NSIC- DETERGENT POWDER	02/01/2019	16
NSIC-PAPER CUP SAUCERS	09/01/2019	21

NIC-MOBILE REPAIR	15/09/2019	33
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	CIVIL Engineering	27
BTech	Electrical and Electronics Engineering	48
BTech	Electronics and Communication Engineering	167
BTech	Mechanical Engineering	56
BTech	Computer Science and Engineering	118
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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

Formal feedback on curricular aspects has been taken from all stake holder and it was submitted to BoS for further aproval. Interaction with employers during campus recruitment is done and feedback is obtained. Employers have pointed out that the communication skills of the students needs to be improved and compulsory internship to be added in the curriculum and it was done. ? Interaction with alumni during annual-get-together is done.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	CIVIL	96	27	27
BTech	EEE	128	14	14
BTech	MECH	128	42	42
BTech	ECE	192	186	186
BTech	CSE	128	145	128
MBA	MBA	120	71	71
MCA	MCA	60	26	26

Mtech	CIVIL- SE	24	24	24
Mtech	EEE-PE	18	11	11
Mtech	ECE-VLSI&ES	18	14	14
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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
2019	1752	596	180	38	218

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
218	210	12	44	14	10
[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)

Faculty mentors play a crucial role in mentoring graduates. Students and their mentors share responsibility for ensuring productive and rewarding mentoring relationships. Both parties have a role to play in the success of mentoring. For graduate students, a mentor is someone who serves as a guide throughout their institutional training. They provide both professional and personal advice in transitioning into, and out of, graduate school. They give constructive feedback on writing, teaching and other elements of career design. They can serve to help students balance professional goals with their personal lives or give emotional encouragement during challenging times. Students Mentoring system is being introduced at Amrita sai Institute of Science and Technology, Paritala . Following are its objectives: 1. Enabling constructive interaction, guidance and mentorship of junior students by senior students 2. Providing a reliable and comprehensive support system to motivate students to excel in both academic and non-academic fields and to make the most of their life at the Institute. Faculty mentor (FM) Student Mentor (SM) (from Final year or PG program) First Year Student (FS) The objectives of the SMS include: • To help undergraduate fresh students understand the challenges and opportunities present in the Institute and develop a smooth transition to campus life. • To counsel academically weak undergraduate first year students and to play an important role in helping troubled students cope with academic, extra-academic and personal problems. • To provide positive role models to first year undergraduate students in the institute. • To proactively try to identify problems of the general student populace and to bring them to the notice of the concerned authorities. • Ensuring regularity and punctuality of students through counseling sessions. The SMS attempts to track these objectives by carefully identifying those who can act as an anchor and guide for a fresh first year student or an academically weak student to bank upon. Student Mentors will be selected to play this role and are given the authority to pursue the mission of this programme. Student Mentors are respected, well-balanced students usually belonging to the IIIrd IV B.Tech courses. The implementation of the SMP and its details are covered subsequently in this document. Programme implementation will be in following phases: Phase I: Selecting Student mentors from Final year students. Phase II: Allotment of students to the mentors. Phase III: Interaction of first year students with the mentors and identifying strengths and weaknesses of the mentees. Forming whatsapp group, if possible, to keep contact among the group. Phase IV: Periodic meeting of the mentees with the mentors and remedial training of the learners, training students to take up higher skills. Phase V: Obtaining feedback from the first year students at the end of the session. This programme primarily deals with first year undergraduate students. The PG incharges

will be allocated as mentors of first year PG students. The senior students, called Student Mentors (SMs) are responsible for helping a set of fresh first year students .

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2348	218	1:11

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
218	218	0	19	22

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 K Sai Manoj	Professor	ASSOCHAM Award outstanding contribution for industry and Academics
2019	Dr Chiranjeevi	Professor	ASSOCHAM Award outstanding contribution for industry and Academics
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	1A	IV/II	19/09/2020	10/10/2020
MBA	1E	II/II	07/11/2020	09/12/2020
Mtech	1D	II/II	07/11/2020	09/12/2020
MCA	1F	III/II	19/09/2020	10/10/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	1439	0

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the

institution are stated and displayed in website of the institution (to provide the weblink)

https://amritasai.org.in/computer-science-and-engineering/

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
1E	MBA	MBA	61	47	77.05
87	Mtech	SE	24	4	16.67
68	Mtech	VLSI	24	4	16.67
43	Mtech	CSE	17	10	58.82
38	Mtech	DECS	7	3	42.86
5	BTech	CSE	99	61	61.62
4	BTech	ECE	140	75	53.62
3	BTech	MECH	55	28	50.91
2	BTech	EEE	45	32	70.45
1	BTech	CIVIL	19	16	84.21

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2.7 – Student Satisfaction Survey

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

https://forms.gle/KNVWfMyY14VsrVdw5

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

Yes
Name of the teacher getting seed money
Dr Phani srinivas

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr K Sai Manoj	outstanding contribution for academics and industry	08/03/2020	ASSOCHAM

National	Dr Chiranjeevi P	outstanding contribution for academics and industry	08/03/2020	ASSOCHAM

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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other than compulsory by the University)	90	ASEITRUST	1	1

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

0

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
Latest trends in IPR	Computer Science and Engineering	04/03/2020
Industry 4.0	Electronics and Communication Engineering	09/01/2020

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NIL	Nill	Nill	Nill	Nill

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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	CYBER SECURITY CENTRE	INNOGEECKS TECHNOLOGIES (OPC) PRIVATE LIMITED	CYBER SECURITY SERVICES	SOFTWARE SERVICES	14/10/2019

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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

Nil	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Communication Engineering	1	Nill
International	Computer Science and Engineering	1	Nill
International	Electrical and Electronics Egnineering	2	Nill
International	Mechanical Engineering	1	Nill
International	Civil Engineering	0	Nill
International	Science and Humanities	6	Nill

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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
Master of Business Administration	2
Electrical and Electronics Egnineering	1
Electronics and Communication Engineering	1
Computer Science and Engineering	1

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
nil	Nill	Nill	Nill

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Two Stage Buck – Boost Converter with Soft Switching for Wind Power Appl	M Sreenu	International journal of Innovative Research in Technology	2019	5	Amrita Sai institute of science and Technology	5

ications						
A Two Stage Buck – Boost Converter with Soft Switching for Wind Power Appl ications	Rentapalli Kishore Kumar	International journal of Innovative Research in Technology	2019	5	Amrita Sai institute of science and Technology	5
Fscile Magnesium dopped Zinc ixide nano 0 particle f abrication and charac terization for biological Benefits	Dr. A.Vanaja	International Journal of Nanoscienc e	2019	5	Amrita Sai institute of science and Technology	5
Copper- Doped Zinc Oxide Nano particles for the Fa brication of white LEDs	D.Balaji	International Journal "P rotection of Metals and Physical Chemistry of Surfaces	2019	0	Amrita Sai institute of science and Technology	9
Effect of Precursors on Structural and Optical Properties of Sol-Gel Synthesize d ZnO Nano powders	Dr A Vanaja	Asian Journal of Chemistry	2019	0	Amrita Sai institute of science and Technology	0
Copper- Doped Zinc Oxide Nano particles for the Fa brication of white LEDs	Dr A Vanaja	International Journal "P rotection of Metals and Physical Chemistry of Surfaces	2019	0	Amrita Sai institute of science and Technology	9
Water supply	Mr. Abdul	IJISEA	2019	0	Amrita Sai	0

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
system optimization with CAD systems implementation a multi model perspective	Feroz					institute of science and Technology
IoT Based E-billing and E-Auditing using cloud integration	Dr. P.Chiranjeevi	World Journal of Engineering Research and Technology WJERT	2019	0		Amrita Sai institute of science and Technology	0
An Energy-Efficient New Approach for Cluster Head Selection Algorithm in Wireless Sensor Network	P. Thiruvannamalai sivasankar	International Journal of Recent Technology and Engineering (IJRTE)	2019	0		Amrita Sai institute of science and Technology	0
An Energy-Efficient New Approach for Cluster Head Selection Algorithm in Wireless Sensor Network	B. Maheswara Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	0		Amrita Sai institute of science and Technology	0

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Two Stage Buck – Boost Converter with Soft	M Sreenu	International journal of Innovative Research	2019	8	5	Amrita Sai institute of science and

Title	Author	Journal	Year			Institution
Switching for Wind Power Applications		in Technology				Technology
A Two Stage Buck – Boost Converter with Soft Switching for Wind Power Applications	Rentapalli Kishore Kumar	International journal of Innovative Research in Technology	2019	8	5	Amrita Sai institute of science and Technology
Fscile Magnesium dopped Zinc ixide nano 0 particle fabrication and characterization for biological Benefits	Dr. A.Vanaja	International Journal of Nanoscience	2019	29	5	Amrita Sai institute of science and Technology
Copper-Doped Zinc Oxide Nano particles for the Fabrication of white LEDs	D.Balaji	International Journal "Protection of Metals and Physical Chemistry of Surfaces	2019	29	9	Amrita Sai institute of science and Technology
Effect of Precursors on Structural and Optical Properties of Sol-Gel Synthesized ZnO Nano powders	Dr A Vanaja	Asian Journal of Chemistry	2019	3	0	Amrita Sai institute of science and Technology
Water supply system optimization with CAD systems implementation a multi model pers	Mr. Abdul Feroz	IJISEA	2019	24	0	Amrita Sai institute of science and Technology

pective						
IoT Based E-billing and E-Auditing using cloud integration	Dr. P.Chiranjeevi	World Journal of Engineering Research and Technology WJERT	2019	79	0	Amrita Sai institute of science and Technology
An Energy-Efficient New Approach for Cluster Head Selection Algorithm in Wireless Sensor Network	P. Thiruvannamalai sivasankar	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Amrita Sai institute of science and Technology
An Energy-Efficient New Approach for Cluster Head Selection Algorithm in Wireless Sensor Network	B. Maheswara Rao	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	0	Amrita Sai institute of science and Technology
Copper-Doped Zinc Oxide Nano particles for the Fabrication of white LEDs	SkGousia	International Journal "Protection of Metals and Physical Chemistry of Surfaces	2019	29	9	Amrita Sai institute of science and Technology
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	4	7	5
Resource persons	1	0	0	0

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)
CSE	Global tax	Global Tax	91000
CIVIL	SAAMA	SAAMA	51500
ECE	Syncreon Technologies	Syncreon Technologies	56950

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
Dr Chiranjeevi Paritala	Data Science	Global Tax	44000	67

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
international yoga day	college team	5	30
swacha bharat programm	college team	5	25
Blood donation programme	college team	5	24
Health awareness programme	college team	7	35

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
Youth worker award	college team	gram panchayat	35
employability skill training	college team	innogeeks	120
road safety	college team	police	15

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
swacha bharat programm	college team	college campus cleaning	70	380
health awareness camp	college team	medical camps conducted by students in campus and villages	7	50
engineers day	college team	plantation in college	60	400
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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
training (Global Tax)	students	institution	5
training	faculty	efftronics	15
[View File](#)			

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
internships	power generation	vtps,vijay awada	03/02/2020	15/02/2020	10
project work	power theft detection in distribution sysytem	mircro links,vijayawada	01/12/2020	30/12/2020	B Venkata sai kumari
project work	power theft detection in distribution sysytem	mircro links,vijayawada	01/12/2020	30/12/2020	k ramu
project work	power theft detection in distribution sysytem	mircro links,vijayawada	01/12/2020	30/12/2020	v bhuvana chandra
project work	power theft detection in distribution	mircro links,vijayawad a	01/12/2020	30/12/2020	v rama krishna

project work	single phase multilevel inverters based on PWM strategy for thermal stresses relief	mircro links,vijayawada	01/12/2020	30/12/2020	CH Aruna
project work	single phase multilevel inverters based on PWM strategy for thermal stresses relief	mircro links,vijayawada	01/12/2020	30/12/2020	S Sailaja
project work	single phase multilevel inverters based on PWM strategy for thermal stresses relief	mircro links,vijayawada	01/12/2020	30/12/2020	V Naveen
project work	single phase multilevel inverters based on PWM strategy for thermal stresses relief	mircro links,vijayawada	01/12/2020	30/12/2020	K Avinash
project work	A double-deck-buck-boost converter power quality improvement for renewable energy applications	mircro links,vijayawada	01/12/2020	30/12/2020	T Jai Sai sankar
			[View File](#)		

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

Syncreon Technologies	03/01/2019	Training Placement	126
Global Tax	20/02/2019	Placement	90
Pratap Industries	10/06/2019	Internship	56
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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
65.5	65.31

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	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
NEWGENLIB	Fully	3.1.2	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	18092	4145363	4100	812680	22192	4958043
Reference Books	4875	1170885	609	260385	5484	1431270
e-Books	130000	490382	20	11500	130020	501882
Journals	407	593548	41	71300	448	664848
e-Journals	60000	39139	100	21500	60100	60639
Digital Database	10	25000	2	25000	12	50000
CD & Video	1317	20000	81	5000	1398	25000
Library Automation	1	100000	0	0	1	100000
Weeding (hard & soft)	1	50000	0	0	1	50000
Others(specify)	0	0	0	0	0	0
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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
B Suresh	Electronics and Communication	Youtube - https:/ /www.youtube.com/c/ OPENBOXEducation	Nill
B Suresh	Electronics and Communication	web site : https: //www.openboxeducat ion.com/	Nill
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	570	4	60	1	2	1	7	60	0
Added	0	0	0	0	0	0	0	0	0
Total	570	4	60	1	2	1	7	60	0

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

60 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
ERP	https://amritasai.org.in/

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
167.39	167.37	100.6	100.57

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)

The institution obtains the necessary requirements of class rooms, laboratories and other infrastructural resources from each HOD well before the beginning of the academic year. After validation of the requirements in IQAC the available resources are allocated to each department. Any new facility to be constructed / acquired is provided by the management before the semester begins. Wherever there exists a situation that a facility (a laboratory) is required by more than one department suitable adjustments in the time table would make the optimal use of the laboratory a possibility. Right from its inception in the year 2007 the college has been improving its infrastructure to

meet its ever increasing growth. Additional blocks for academic and administrative purposes have been constructed. Floors have been added to the existing blocks to enhance the facilities. Renovation of older blocks and modernization of laboratories have been done to meet the ever changing academic requirements. The institution has a permanent manager to take care of all the construction work, be it add on constructions or maintaining the existing ones. The buildings are maintained for their up-keep and repairs on a regular basis. The house keeping team regularly maintains the buildings, corridors and other places clean and tidy. The wash rooms

www.amritasai.org.in

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	merit scholarships	22	550000
Financial Support from Other Sources			
a) National	CENTRAL SECTOR OF SCHOLORSHIPS FOR COLLEGE AND UNIVERSITY STUDENTS, POST MATRIC SCHOLORSHIP SCHEMES MINORITIES CS, PRIME MINISTERS SCHOLORSHIP SCHEME FOR MINISTRY OF RAILWAYS	6	80000
b)International	nill	Nill	Nill
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Language Lab Practice Sessions	03/10/2019	300	CRT Team
Soft Skills Training	02/09/2019	325	Career Guidance Cell
Remedial coaching	12/11/2019	8	EEE DEPARTMENT
Remedial coaching	12/11/2019	10	EEE DEPARTMENT
Remedial coaching	21/01/2020	15	CSE DEPARTMENT
Remedial coaching	16/12/2019	30	CSE DEPARTMENT
softskills and language lab	12/09/2019	20	CSE DEPARTMENT
Remedial coaching	18/12/2019	25	ECE DEPARTMENT
softskills	03/02/2020	40	ECE DEPARTMENT

Remedial coaching	20/01/2020	35	ECE DEPARTMENT
	[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
2020	CAREER ORIENTED PROGRAM	68	75	26	53
		[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
EFFETRONICS, TCS, WIPRO, HEXAWARE, GLOBAL TAX SERVICES, V TEKIES, CANOPYONE, KIA, TATA STRIVE, DOMINOR	323	266	DUE TO COVID ALL DRIVES ARE CONDUCTED IN ONLINE MODE, OFF CAMPUS DRIVES ARE NOT CONDUCTED	0	0
		[View File](#)			

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	5	B Tech	EEE	ASIST	M TECH
2020	1	B TECH	EEE	JNTUK	MTECH
2020	1	B TECH	EEE	ASIST	MTECH
2019	5	BTECH	ECE	ASIST	MTECH
2019	6	BTECH	CSE	ASIST	MTECH

2019	1	BTECH	CIVIL	ASIST	MTECH

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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
GRE	24
NET	8
GATE	54
TOFEL	31
Any Other	28

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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
cricket	college level	60
volley ball	college level	45
kho kho	college level	33
chess	college level	10
carrom board	college level	15
ring	college level	12

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	FIRST PRIZE	National	Nill	1	19AJ1A0490	M.RAAJA HANEELA
2019	FIRST PRIZE	National	Nill	1	18AJ5A0304	D.Yugand har
2019	FIRST PRIZE	National	Nill	1	18AJ5A0318	Sk. Nooruddin
2019	SECOND PRIZE	National	Nill	1	18AJ5A0318	Sk Hameed
2019	SECOND PRIZE	National	Nill	1	18AJ5A0317	Sk Abdul Hameed
2019	FIRST PRIZE	National	Nill	1	17AJ1A0567	K Bhargavi
2019	SECOND PRIZE	Internat ional	Nill	1	17AJ1A0501	A.Gowtham
2020	FIRST PRIZE	National	Nill	1	17AJ1A04C1	P Vinay Kumar
2020	FIRST	National	Nill	1		M Jyothi

					17AJ1A0484	Vasundara
	PRIZE					
2020	SECOND PRIZE	National	Nill	1	18AJ1A0405	A.Pooja

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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 institution has a practice of identifying student representatives for each class and nominates them to the student council. The members from this council are adopted for different administrative bodies. The council is responsible for conduct of many an activity in the campus including curricular, co-curricular and extra-curricular activities. The activities of the council would be supported by the participation of all the faculty members. The required funding for conduct of such events is met by the management of the institution. The institution has staff-student consultant committee to discuss and solve problems related to academic, co-curricular activities, extra-curricular activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Maintaining good relationships with alumni over time is crucial to the success of higher ed institutions. Alumni serve many valuable roles, such as helping to build and grow an institution's brand through word-of-mouth marketing. For instance, positive posts on social media can create buzz and increase application rates. Colleges also rely on alumni to provide mentoring, internships, and career opportunities to students. These are just a few of the reasons why alumni are important to the success of higher ed institutions, which are becoming more accountable for job placement rates. Also creating meaningful relationships like Because they already have a connection with their alma mater, alumni are a prime market for certificate programs. Colleges must create positive relationships with undergrads so that they want to return to their alma mater. From there, institutions must remain close with alumni over time to let them know they can return (either online or in-person) throughout their careers to refresh knowledge or gain mentoring and networking support. Our next blog will take a look at successful strategies institutions can use to engage graduates in helpful two-way relationships over time in order to increase alumni volunteerism and revenue. simply it establishes a mutually benefitted relationship.

5.4.2 – No. of registered Alumni:

450

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

135000

5.4.4 – Meetings/activities organized by Alumni Association :

The college has a registered Alumni association and functions actively. It is involved in: 1. Motivating Guest Lectures for the students from Alumni. 2. Support in providing internships and projects to students. 3. Extend support in providing training to students giving them exposure to up-coming changes in technologies. 4. Help the students in providing training to students for placements by Conducting mock interviews, etc.

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)

Decentralization is having a significant impact on policy, planning and management. It is a means of improving the efficiency of education system and the quality of educational service. Our Institution practices decentralization and participative management. The principal is the sole authority of the institution. Students are empowered to play an active role in co curricular and extracurricular activities, and social services. The institution promotes a culture of participative management by involving the staff and students in various activities. There are different committees such as woman's Cell, NSS, IQAC, mentoring etc. in which students and teachers participate and take active part. The College core committee formulates common working procedures and entrusts the implementation through departments. The department or committee incharge manages the activities of the department and keep track of co curricular and extracurricular activities in the College. Other units of College like sports, library, students council also operates under the guidance of the various committees and also students are involved in the decision making process to some extent.

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
Admission of Students	Admission policy is made by the State Government and the college has a limited role to play in it. Filling the 30 quota of management seats is made more transparent by,Giving ample publicity in all local news papers calling for applications from all the aspiring students. Making admission process automated and completing it as per the schedule. 70 admission process through EAMCET, ECET and ICET for PG and MBA.
Industry Interaction / Collaboration	The college is having collaboration with organizations and small scale industries.The college having collaboration with innogeeks pvt ltd vijayawada and this provides industrial experts in different domains arrange workshops and training to students
Human Resource Management	The institute has excellent strategies/ norms for Human resource Management. It ensures that The faculty is sponsored to attend various workshops/ conferences/ seminars to enhance their knowledge and skills. The college also regularly organizes workshops and seminars by inviting eminent personalities from academia and industry on various fields. The college

	gives financial benefit to motivate the faculty Time and Attendance are monitored on a daily basis.Several internal workshops are held to train the faculty and staff to enable them to update their knowledge Guest lectures and invited talks are arranged for both faculty and students to give exposure to new and up-coming technologies
Library, ICT and Physical Infrastructure / Instrumentation	The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and journals and E-Journals. Information and Communication Technology has been made an integral part of teaching learning process by converting conventional class rooms into e-class rooms in a phased manner. These rooms have been equipped with LCD projectors with internet connection.
Research and Development	Motivating the faculty to apply for both major and minor projects by sensitizing them regularly. Organizing lectures from various experts on the contemporary subjects. Incentives are provided to faculty for contributing to wards research.
Examination and Evaluation	Internal evaluation was done with four aspects such as objective, descriptive , open book system and assignments
Teaching and Learning	Academic Monitoring committees to improve the quality of teaching using the ICT technologies in classrooms. Use of e-learning resources in teaching/learning
Curriculum Development	As we are autonomous college, we will develop curriculum time to time as per the guidelines of UGC and approved by the BoS. However, IQAC provide necessary suggestions to enrich the curriculum with additional topics in theory and practical subjects

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

E-governace area	Details
Planning and Development	• Audio-visual system in some classrooms • Each department is provided with computers having internet facility • The institute Central Library has adequate no. of books, journal, computer with internet

	facility and provision for digital library. • 24X7 library facilities provided by the institute for the students and faculties.
Administration	The College makes continuous efforts to go paperless in all its administrative and official works. All online and computerized functioning is done to practice transparency while sharing information within the college, faculties and departments.
Finance and Accounts	Fully equipped computerized methods are followed to keep tracks and records of all finances of the College. Advanced software is used to keep scanned documents, e-filing and budget transactions accurate. Management checks, verifies and guides the finance and accounts section time to time.
Student Admission and Support	• For constant support and assistance to the student community online tools are used to keep in touch and inform them about various notices time to time. • There is an Admission cell in college campus from where students get information about admission procedures, course fees, college facilities, etc.. • In the website www.amritasai.org.in students are advised to visit it at regular intervals to keep themselves updated.
Examination	• Internal examinations are held at regular intervals for monitoring of learning process and results of same are sms to parents. • All departments are instructed to sent e-mail copy of internal results to the Academics Department. • System is Student Friendly

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	B SURESH	VR SIDDARTHA COLLEGE	NILL	1000
2019	M VENKAT RAO	VR SIDDARTHA COLLEGE	NILL	1000
2019	A ENOCH	VR SIDDARTHA COLLEGE	NILL	1500
2019	G LATHA	VR SIDDARTHA	NILL	1000

		COLLEGE			
2019	G SIVA KUMAR	VR SIDDARTHA COLLEGE	NILL	1500
2019	J NAGA PRATHIMA	VR SIDDARTHA COLLEGE	NILL	1000
2019	S RAMA KOTESWARAO	VR SIDDARTHA COLLEGE	NILL	1000
2019	SARMA	VR SIDDARTHA COLLEGE	NILL	1000
2019	VENKATESWARAO	VR SIDDARTHA COLLEGE	NILL	1000

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	faculty orientation	organizational values	01/06/2019	30/06/2019	114	23
2019	outcomes based education	safety measure	16/04/2020	18/04/2020	29	31
2019	faculty orientation	Admin procedures	04/03/2020	07/03/2020	14	17
2019	Workshop - Advanced Technologies	Advanced Technologies Training	06/11/2019	09/11/2019	25	10
2019	Effective Teaching Methodology	Training on College e- Portal	09/11/2019	12/11/2019	20	12

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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
power electronics and drives application and simulation	4	23/12/2019	25/12/2019	3

using mat lab				
python based machine learning and applications	5	18/09/2019	21/09/2019	4
Simulation and Modeling of Data Communications Networks	5	25/07/2019	27/07/2019	3
python based machine learning, fundamentals and applications	3	16/12/2019	21/12/2019	6
python based machine learning, fundamentals and applications	1	16/12/2019	21/12/2019	6
python based machine learning, fundamentals and applications	1	16/12/2019	21/12/2019	6
Fabrication of Optoelectronic Devices organized by NIT Warangal1	1	17/06/2019	21/06/2019	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
19	Nill	6	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
INSURANCE	INSURANCE	INSURANCE

6.4 – Financial Management and Resource Mobilization

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

The accounts of the college are audited regularly as per the government rules. The internal auditor checks receipts including fee receipts and payments with vouchers and necessary supports. He also ensures that all payments are duly authorized. The external auditor conducts statutory audit at the end of financial year. After the audit the report is sent to the management for review

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nill	0	NILL

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6.4.3 – Total corpus fund generated

0

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	PRINCIPAL	Yes	Faculty
Administrative	Yes	governing body of nominee	Yes	Faculty

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

The feedback from parents on various academic and non-academic activities is collected and analysed by the IQAC. Along with the students, parents are invited for the induction meeting conducted by the Institute Administration. Institute believes in maintaining a holistic relationship between teachers and parents can improve the quality of education and it adopts several initiatives in this direction.

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

Different Development programmes are organised by the college for the support staff such as: Orientation programme Women Motivation Staff Development Training Program

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

Library Resources are updates Arrangement of National and International Conferences. Arrangement of FDP for the teaching faculty. Biometric of attendance of all the subjects. Arrangement of Seminar, Workshop and Conferences at regular intervals. Steps taken towards campus drives for placement of final year Students

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	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
2019	Hands on	18/11/2019	18/11/2019	19/11/2019	350

Experiments on Soldering Practice, Fan Windings, Engine Assembling				

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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 Self Defence and Safety, Security	19/07/2019	19/07/2019	250	0
Rangoli Competitions	13/01/2020	13/01/2020	80	0
Elocution Competitions (Womens Day Celebration)	07/03/2020	07/03/2020	40	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
• Decreased use of paper and plastic • Optimization of existing infrastructure • Installation of 2000 ltr solar water heating system at boys hostel • Installation of 2000 ltr solar water heating system at girls hostel • Buses with air purifiers • The College also initiated in tree plantation not only within the College campus but around the College vicinity too Solar Energy: As a green campus initiative to conserve the electric power in the campus, the institute has commissioned 60 KW roof top solar PV plant in block E and 50 KW in C block. Approximately 15,600 units of power is generated per month which is the saving in consumption of electric power. Estimated total power consumption in the college 14400 units.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	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

2019	1	1	30/12/2019	1	Mega blood Donation Camp	saving blood,helping nature	170
2020	1	1	20/01/2020	1	HealthAwareness Program	Health Related Issues and Suggestions	120
2020	1	1	24/01/2020	7	NSS Special Camp at Adopted Village, Gani Atkuru	Community Service like cleaning the Panchayat, drainage, making environment free dustbin, iron chair, painting etc140	140
2019	1	1	03/10/2019	3	Helping School Students	Distribution of kits to School students	400
2019	1	1	19/11/2019	1	Police Commemoration Day	Discussed Sacrifices of Poilemen andCollege contribution Cheque Donation)	500

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
NIL	Nill	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International yoga Day	21/06/2019	21/06/2019	450
Swacha bharat program	19/08/2019	19/08/2019	400
Matribashas Diwas	22/02/2020	22/02/2020	120

2020			
Workshop on Ethical Hacking	06/11/2019	09/11/2019	110

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

1. Installation of SOLAR Panels for harnessing solar energy. 2. Using kitchen waste making compost 3. Using garden waste for making compost 4. Effluent treatment of laboratory drain and reuse of the same of gardening. 5. Paper less approvals for institute purchases. 6. Rain water harvesting.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title of the Practice: Industry Institute Interaction Objectives: 1. To devise need based Curriculum 2. To bridge the gap between the Industry and Institute 3. To strengthen Industry Academia partnership 4. To give more practical orientation to the Teaching-Learning process 5. To provide a common platform for discussing the Technological needs of the society 6. To enable the student reach the expectations of the Industry 7. To organize Guest Lectures on Emerging Technologies 8. To impart various skills required by the Industry

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

https://amritasai.org.in/wp-content/uploads/BEST-PRACTICES.docx

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

Institutional Distinctiveness. In tune with the Vision and Mission of the Institution, the College has a unique Plan of Action. The Institution takes up various activities as per the Plan of Action. This has in fact created an environment Conducive to the Academic growth of the Institution. In tune with the Plan of Action of the Institution, the Departments meticulously design their Activities strictly adhering to the Academic Calendar. Since inception, the Institution has it's own distinctiveness in all aspects and could emerge as an Organisation of Repute. The focus of the Institution is on Providing quality Education through rigorous Practical training. Avenues for Internship are identified well in advance and Students are encouraged to take up Internships in Industries Which gives then adequate exposure and Hands on experience. The Institution has entered into M.O.U.S with Industries and this makes it Possible to secure more Internships. Industrial visits are facilitated. Guest Lectures by Industry Personnel are held. Industry personnel help in Providing inputs during the revision of Curriculum and favors the design of Need based Curriculum. Students have a wider exposure to the emerging technologies and have Certainly an edge over others. M.O.U with ICT Academy has given ample scope for expanding the horizon of learning .Enhanced Industry-Institute interaction is attained and has lead to the Cultivation of an instinct for growth and an impulse for Research Industrial needs are identified and the required skill set is imparted to the Students through Various Skill Development Programmes. Entrepreneurial abilities of the Students are enhanced and necessary impetus for Startups is Provided. Special Training Programmes are Organized which are Company specific and this resulted in the Competency Development in Students. Owing to the innovative Strategies adopted in Teaching – Learning and Career counseling and Training, the Students of ASIST have been sought after by the reputed corporate firms for providing employment. Mock

Interviews and Personality Oriented training, Leadership Development Programmes have boosted the morale of the Student and have immensely increased the opportunities for their placements with high Package. During the Current Academic Year, the number of Placements has increased tremendously and many Students got multiple offers. Well trained, Well Placed Students would turn out to be responsible citizen in future. Such Individuals would certainly raise the reputation of the Institution through their invaluable service to the society both in their Professional and social roles. They in value themselves in Contributing to various developmental activities in the Community and fulfill their social responsibility the distinctiveness of the Institution lies on Creation of Opportunities for Placements and Providing ample training for assured Placements.

Provide the weblink of the institution
https://amritasai.org.in/wp-content/uploads/Institutional-Distinctiveness.docx

8.Future Plans of Actions for Next Academic Year

IQAC plan of action to be decided upon at the beginning of the academic year Academics To organize interdisciplinary seminars, workshops, conferences. Regular workshops and extra courses pertaining to the course curriculum to be organized. Development programmes and collaborations . To establish faculty and student exchange programmes. To encourage faculty members to start thinking about new courses Research and innovations To explore possibilities for active industry participation. To increase publication of research papers in reputed journals with good impact factor. Search for funding from reputed industry and corporate houses related to research projects. Institutional social responsibility Eco friendly measures to be adopted. To organise more community service activities to contribute to the wellness of the society. To implement the existing awareness programmes on environmental issues. Welfare programmes To increase number of student internships, to support financially weak students, help students with very serious medical crisis.Administrative To enhance infrastructural development. Ensuring interactive feedback, analysis monitoring. Offer specific and targeted training to teachers students. Academic audit (Internal/External) for continuous of academic up gradation Governing Body approved to go for New courses offered by AICTE.