

# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved By AICTE, Permanently Affiliated to JNT University, Kakinada,  
Accredited by NAAC & Recognized Under 2(f) and 12 (b) by UGC, New Delhi)  
Tamaram, Makavarapalem, Narsipatnam(R D), Visakhapatnam Dist-531113

## Internal Quality Assurance Cell (IQAC) Quality initiatives A.Y:2017-18 to 2021-22

S.No	Quality initiatives	Page. No
1	MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc.	1
2	Value-added courses imparting transferable and life skills	3
3	Capability enhancement and development schemes such as Soft skills development, Remedial coaching , Language lab, Bridge course ,Yoga, Meditation, Personal counseling and Mentoring etc.	9
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Coordinator

  
Principal  
Principal  
Avanathi Institute of Engg. & Technology  
Tamaram, Makavarapalem Md.,  
Visakhapatnam District., Pin: 531113



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## MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc

<u>S. No</u>	<u>Organization</u>	<u>Date of MoU signed</u>	<u>Purpose and Activities</u>	<u>Number of students/teachers participated Under MoUs</u>
1	Inspiredge IT solutions	22-05-2017	Placement training	151
2	Inspiredge IT solutions	22-05-2017	Implementation and training	148
3	Inspiredge IT solutions	22-05-2017	Implementation and training	163
4	Hobell Bellows	04-09-2017	Industrial visit & placement	67
5	APSSDC	10-04-2018	Technical training /soft skills/placement	463
6	Hobell Bellows	05-09-2018	Industrial visit and placement	20
7	4c design engg 3k pvt ltd	01-07-2019	Technical training & placement	66
8	4c design engg 3k pvt ltd	01-07-2019	Technical training & placement	37
9	4c design engg	01-07-2019	Skill development program	27
10	APSSDC & CMSEC	09-09-2019	Technical training	199
11	APSSDC & CMSEC	09-09-2019	Technical training /soft skills/ workshops	387
12	Mechnogent Engineering services llp	10-09-2019	Technical training	66
13	Mechnogent Engineering services llp	10-09-2019	Technical training	37

14	Mechnogent	10-09-2019	Skill development program	27
15	Hobell Bellows	15-09-2019	Industrial visit and placement	66
16	Bytexl india pvt ltd.	05-08-2020	Training	127
17	Inspiredge IT solutions	03-09-2020	Industrial visit and placement	127
18	Hobell Bellows	07-09-2020	Industrial visit and placement	37
19	Electro pro	13-09-2020	Training and internship	108
20	Syntizen technologies pvt. Ltd.	14-09-2020	Placement	127
21	Nicco ventures Ltd	13-10-2020	Campus placement	169
22	Miracle software solutions	22-02-2021	Campus placement	93
23	Bytexl	21-04-2021	CRT training	123
24	Brandix	10-08-2021	Campus placement	169
25	Sytizen Tech	13-08-2021	Campus placement	123
26	Hobel Bellows	28-08-2021	Campus placement	26
27	Insipredge	02-09-2021	Industrial visits and internship	123
28	Electropro	07-10-2021	IOT training and project implementation	123

  
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**PRINCIPAL**  
Principal  
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### Value-added courses imparting transferable and life skills offered

S. No	Value added courses	Date of introduction	Number of students enrolled
1.	Micro-Electro-Mechanical-Systems (MEMS)	06.07.2017	106
2.	Fabrication Process of Ships in HSL	29.07.2017	118
3.	Motivational sessions and improve seriousness	02.08.2017	147
4.	Computer Integrated Manufacturing	05.08.2017	108
5.	Career path after engineering graduation	09.08.2017	184
6.	Operation of Dynamometers	09.09.2017	112
7.	Industrial Electrification Design, Protection and Safety	09.09.2017	57
8.	ARM Processor and RTOS	14.09.2017	96
9.	Software working environment & latest technologies	20.09.2017	83
10.	Introduction to CFD using MATLAB & OPENFOAM	09.09.2017	107
11.	Modems Solar and wind Energy Based Power	12.10.2017	68



12.	Nano Materials - usage and Real-time Applications	14.10.2017	108
13.	Functional programming languages	16.10.2017	92
14.	Testing Web based Systems	17.10.2017	79
15.	OFDM Implementation through VLSI	23.11.2017	77
16.	Industry Interaction	06.12.2017	285
17.	Optimizing Spark for Heterogeneous Clusters	13.12.2017	98
18.	Testing and Commissioning of Electrical Equipments Substations	13.12.2017	106
19.	Applications of Wireless Sensor Networks in Mobile Computing	14.12.2017	103
20.	Applications of Microwaves	21.12.2017	82
21.	Impact of Transient on power system and its control techniques	23.12.2017	42
22.	Project Orientation and Agile Methodologies	04.01.2018	71
23.	Project management strategies	05.01.2018	98
24.	Functioning of Feeders and Busbars in Hydel Power Station	06.01.2018	59
25.	Energy conservation-PCRI	08.01.2018	107
26.	Software working environment & latest technologies	09.01.2018	78

27.	Working Principles of Transformers and Circuits Breakers in 33/11 Substation	01.02.2018	45
28.	Functioning Boilers, Flash Evaporator and Crystallization Process in Sugar Mills	02.03.2018	167
29.	Latest Trends in new product development – CNC Machining	14.07.2018	107
30.	Working Principles of Transformers and Circuits Breakers in 33/11 KV Substation	08.09.2018	44
31.	Green Composites	12.09.2018	101
32.	Functioning of Turbines & Maintenance of Naval Ship in HSL	15.09.2018	87
33.	Inspirational Startup Stories	15.09.2018	274
34.	PLC SCADA	15.09.2018	64
35.	Solar Radiation	18.09.2018	88
36.	Project Orientation and Agile Methodologies	19.09.2018	72
37.	Working Procedures of Doppler Radar Systems in Radar Station	20.09.2018	53
38.	Switchgear and Protection for 220KV Substation	20.09.2018	87
39.	TV Transmitter Receiver System in DD stations	24.09.2018	52
40.	Mobility Engineering	28.09.2018	113
41.	Awareness Program on GATE	01.12.2018	186

42.	Functioning of Boliers and Millers in Cement Industry	26.12.2018	71
43.	Construction and Maintenance of Naval Ships in HSL	29.12.2018	142
44.	Operation & Maintenance strategies for Hydropower	07.01.2019	95
45.	Implementation of membership functions of neuro-fuzzy inference systems	10.01.2019	141
46.	Design of Low Pass Filter using Integrated Fractal Passive Components for GSM Application	10.01.2019	113
47.	Functioning of Biomass fuel boiler and gas oil fuel boiler in Sugar Mills	08.02.2019	120
48.	Software Working environment & latest technologies	13.02.2019	58
49.	Finite Element Modeling for Solid Polymers	26.08.2019	114
50.	Acoustics and Fluid Structure interaction in Fluid Dynamics	23.09.2019	116
51.	Energy Conservation	18.12.2019	362
52.	Design & Analysis of Straight cut gears	28.12.2019	114
53.	Productivity Enhancement Tools	30.12.2019	75
54.	Introduction battery management system	03.01.2020	48

55.	Internet of Things and AI Cloud	04.01.2020	43
56.	Role of transmitter in communication system	06.01.2020	46
57.	Maintenance of Ships in HSL	01.02.2020	145
58.	Latest technologies in Cloud Computing	07.02.2020	64
59.	Dynamic Compressors	08.02.2020	114
60.	Productivity Studies	14.02.2020	113
61.	Machine Learning & Soft Computing	14.02.2020	137
62.	Functioning of Blast Furnaces in Steel Plants	14.02.2020	83
63.	Renewable power and electricity	15.02.2020	48
64.	Internet of Things	18.02.2020	94
65.	Hair Pin Heat Exchangers	28.02.2020	118
66.	Tuned Amplifiers	09.03.2020	57
67.	Functioning of Biomass fuel boiler and gas oil fuel boiler in Etikoppaka Sugar Mills	09.03.2020	52
68.	Crystallization Process in Sugar Mills	11.03.2020	116
69.	Applications Of Artificial Intelligence For Modern Power System	10.06.2021	88
70.	CATIA Surface Modeling	25.07..2021	223
71.	Python Programming	15.09.2021	94



72.	SPSS- Statistical Package for Social Science	22.12.2021	70
73.	Industrial Electrical Maintenance	28.01.2022	76
74.	Machine Learning	17.02.2022	149
75.	FEA Using ANSYS	24.03.2022	95
76.	Zero To Chip Design Using Open Power	13.04.2022	144
77.	Dielectric Resonator Antennas	16.06.2022	117

  
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**Capability Enhancement and Development schemes such as Soft skills development, Remedial coaching , Language lab, Bridge course ,Yoga, Meditation, Personal counseling and Mentoring etc.**

S. No	Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
1	Soft Skills Development	08-03-2017	151	Nicco Ventures, Hyderabad
2	Communication Skills	07-05-2017	151	Medha, Visakhapatnam
3	Yoga Sessions	07-05-2017	49	Physical Director,Aiet
4	Meditation Sessions	15-12-2017	49	Physical Director, Aiet, Makavarapalem
5	Aptitude Training	12-01-2018	151	Nicco Ventures, Hyderabad
6	Reasoning Skill	26-02-2018	151	Nicco Ventures, Hyderabad
7	Technical Skills	28-02-2018	151	Nicco Ventures, Hyderabad
8	Motivation Class	28-02-2018	487	Mr. Uma Maheswara Rao(Registrar, Au)
9	Personal Counseling With Technical Skills	28-02-2018	493	Mr.Yandamuri Veerendranath

10	Soft Skills Development	28-02-2018	148	Nextgen Ventures Pvt Ltd,Hyderabad
11	Communication Skills	27-08-2018	148	Myslate,Hyderabad
12	Yoga Sessions	08-09-2018	43	Physical Director, Aiet, Makavarapalem
13	Meditation Sessions	05-02-2019	43	Physical Director, Aiet, Makavarapalem
14	Aptitude Training	15-03-2019	148	Reference Globe, Hyderabad
15	Reasoning Skill	15-03-2019	148	Coign, Hyderabad
16	Technical Skills	15-07-2019	148	Coign, Hyderabad
17	Soft Skills Development	16-09-2019	163	Face,Hyderabad
18	Communication Skills	19-11-2019	163	Six Phrase,Hyderabad
19	Aptitude Training	19-11-2019	163	Six Phrase,Hyderabad
20	Reasoning Skill	07-12-2019	163	Walys, Hyderabad
21	Technical Skills	01-01-2020	163	Face, Hyderabad
22	Motivation Class	01-01-2020	436	Police Department
23	Personal Counseling With Technical Skills	22-01-2020	449	Omega C2c,Hyderabad

  
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## Professional Development /Administrative training programs organized by the college for Teaching and Non Teaching staff

S. No	Year	Title of the professional Development Programme Organized for teaching Staff	Title of the administrative training Programme organized for Non Teaching staff	Dates (from- to)	Dates (from- to)	Number of participants (Teaching staff)	Number of participants (Non Teaching staff)
1	2017	Workshop on Research Methodology		27-09-2017 to 27-09-2017		84	
2	2017		A 1-Day program on "Best practices in Office Administration."		14-07-2017 to 14-07-2017		8
3	2018	Workshop on Teaching Methodologies		05-08-2018 to 05-04-2018		74	
4	2018		A One Day programme on "Technical training for Lab Assistants"		02-06-2018 to 02-06-2018		18
5	2019		Workshop on choice based credit system		07-06-2019 to 07-06-2019		20
6	2019	Workshop on choice based credit system		07-07-2019 to 07-07-2019		72	
7	2019	program on Course file preparation of the trending courses		13-08-2019 to 13-08-2019		70	
8	2019	Contemporary Research on various fields		06-10-2019 to 06-10-2019		73	
9	2020	Writing on Effective Research paper		24-01-2020 to 24-01-2020		72	
10	2020		Communication and basics in computer training		02-02-2020 to 02-02-2020		22
11	2020	Research methodology and Advanced pedagogies in Education		15-02-2020 to 15-02-2020		74	

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### Incubation centre created, start-ups incubated on campus

S.No	Incubation Centre	Name	Sponsored by	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Avanthian's Incubation Centre	Fabrication Of Tri-Cycle For Handicapped People	Avanthi Institute Of Engineering And Technology, Makavarapalem	Amazing Wheels	Support System Technology	19-10-2017
2	Avanthian's Incubation Centre	Wi-Fi Based Agriculture Environment Monitoring System By Using Soil Moisture Sensor	Avanthi Institute Of Engineering And Technology, Makavarapalem	Code Smart Technologies	Smart Device	19-10-2017
3	Avanthian's Incubation Centre	Raspberry Pi And Iot Based Industrial Automation	Avanthi Institute Of Engineering And Technology, Makavarapalem	Match Well Technologies	Automatic Industry Application	19-10-2017
4	Avanthian's Incubation Centre	Harvesting Digger	Avanthi Institute Of Engineering And Technology, Makavarapalem	Agro Mech	Automation	07-11-2018
5	Avanthian's Incubation Centre	Iot Based Smart Energy Meter	Avanthi Institute Of Engineering And Technology, Makavarapalem	Electro Tech	Smart Metering	07-11-2018
6	Avanthian's Incubation Centre	Smart Security System Using Raspberry Pi	Avanthi Institute Of Engineering And Technology, Makavarapalem	Match Well Technologies	Military And Security Application	07-11-2018
7	Avanthian's Incubation Centre	Prototype Of Solar Thermo Electric Refrigeration System	Avanthi Institute Of Engineering And Technology, Makavarapalem	Smart Workshop	Garage Support Device	10-01-2020
8	Avanthian's Incubation Centre	Automation Of Irrigation System	Avanthi Institute Of Engineering And Technology, Makavarapalem	Smart Industry	Automation Using IOT Device	10-01-2020
9	Avanthian's Incubation Centre	Theft Intimation Of Vehicles By Using Gps And Gsm Technologies	Avanthi Institute Of Engineering And Technology, Makavarapalem	Match Well Technologies	Monitoring System Using Device	10-01-2020

  
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<b>Collaborative activities for research, faculty exchange, student exchange</b>				
<b>S.NO</b>	<b>Nature of activity</b>	<b>Participant</b>	<b>Source of financial support</b>	<b>Duration in day</b>
1	COLLABORATIVE RESEARCH	1.Dr. CPVNJ Mohan Rao Professor & Principal, CSE Department, AIET , 2.CH Satyanarayana, Professor CSE Dept, JNTU Kakinada & 3.P. Nageswara Reddy, Research Scholar, JNTU Kakinada	SELF	1
2	COLLABORATIVE RESEARCH	1.R Prasad Rao, Associate Professor & Vice Principal ECE Department AIET, 2. Dr.Dharma Raj Cheruku, Professor, ECE Dept, GITAM,Visakhapatnam, 3. Srinu Budumuri,Professor, ECE Dept, GITAM,Visakhapatnam, 4.V S V Prabhakar, Dept of ECE, KL University, Guntur	SELF	1
3	COLLABORATIVE RESEARCH	1.E Govind Associate Professor, HOD ECE Department AIET & 2.Srilatha Indira Dutt Vemuri, Associate Professor, ECE Dept, GITAM, Visakhapatnam	SELF	1
4	COLLABORATIVE RESEARCH	1.K V Satyanarayana Asst Professor CSE Department, AIET & 2. K Ashish Vardhan, Research Scholar, Dept of CSE, AUCE, Visakhapatnam	SELF	1

5	INDUSTRIAL VISIT(Hindustan Shipyards Limited Visakhapatnam)	I B.Tech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
6	INDUSTRIAL VISIT(Vishnu Vidhyut India Limited Narasingapalli Visakhapatnam)	IV B.Tech Mech-1 Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
7	INDUSTRIAL VISIT(Vishnu Vidhyut India Limited Narasingapalli Visakhapatnam)	IV B.Tech Mech-2 Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
8	INDUSTRIAL VISIT(Symbiosis Technologies Visakhapatnam)	III B.Tech CSE Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
9	INDUSTRIAL VISIT(Miracle Software Solutions Visakhapatnam )	IV B.Tech ECE-1 Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
10	INDUSTRIAL VISIT(Miracle Software Solutions Visakhapatnam )	IV B.Tech ECE-2 Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
11	INDUSTRIAL VISIT(Doppler Weather Radar Station Visakhapatnam )	IV B.Tech ECE-1 Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
12	INDUSTRIAL VISIT(Doppler Weather Radar Station Visakhapatnam )	IV B.Tech ECE-2 Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
13	INDUSTRIAL VISIT(Hydel Power Station Sileru Visakhapatnam)	III B.Tech EEE Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1



14	INDUSTRIAL VISIT(Miracle Software Solutions Visakhapatnam )	II B.Tech CSE Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
15	INDUSTRIAL VISIT(33/11 KV Electrical Substation Visakhapatnam )	II B.Tech EEE Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
16	INDUSTRIAL VISIT(Etikoppaka Sugar Factory Visakhapatnam)	II B.Tech MECH, EEE Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
17	INDUSTRIAL VISIT(Hindustan Shipyards Limited Visakhapatnam)	III B.Tech Mech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
18	COLLABORATIVE FACULTY EXCHANGE(NICCO VENTURES)	IV B.Tech Students(151)	Avanthi Institute Of Engineering & Technology Makavarapalem	1
19	COLLABORATIVE FACULTY EXCHANGE (MEDHA ACADEMY)	IV B.Tech Students(151)	Avanthi Institute Of Engineering & Technology Makavarapalem	1
20	COLLABORATIVE RESEARCH	1. E Govind Associate Professor, HOD ECE Department AIET & 2. Dr. V.B.S.S.Indira Dutt, Associate Professor, ECE Dept, GITAM, Visakhapatnam	self	1
21	COLLABORATIVE RESEARCH	1.M Santhosh Kumar Asst Professor H&BS Department AIET, 2.V B Kumar Vatti,Department of Engineering Mathematics, AUCE, Visakhapatnam, 3.V V Kartheek, Dept of Computer Science & Systems Engg. AUCE, Visakhapatnam	self	1



22	COLLABORATIVE RESEARCH	1.R Prasad Rao, Associate Professor& Vice Principal ECE Department AIET, 2. Dr.Dharma Raj Cheruku, Professor, ECE Dept, GITAM,Visakhapatnam, 3.Srinu Budumuri,Professor, ECE Dept, GITAM,Visakhapatnam.	self	1
23	COLLABORATIVE RESEARCH	1.K V Satyanarayana Asst Professor Department Of CSE AIET & 2.K. Ashish Vardhan, Research Scholar, Dept of CSE, AUCE, Visakhapatnam	self	1
24	COLLABORATIVE RESEARCH	1.K V Satyanarayana Asst Professor Department Of CSE AIET & 2.K. Ashish Vardhan, Research Scholar, Dept of CSE, AUCE, Visakhapatnam	self	1
25	COLLABORATIVE RESEARCH	1.S Phani Vara Prasad Assistant Professor, ECE Department, AIET & 2. Ch VijayaLakshmi, Ph.D Scholar,ECE Dept, LNCT University, Bhopal,Madhyapradesh	self	1
26	INDUSTRIAL VISIT(33/11 KV Substation, Makavarapaem )	II B.Tech EEE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
27	INDUSTRIAL VISIT(Hindustan Shipyard Limited, Visakhapatnam )	III B.Tech EEE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
28	INDUSTRIAL VISIT(Inspire Edge IT Solutions, Visakhapatnam )	II B.Tech CSE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1

29	INDUSTRIAL VISIT(BHEL, Visakhapatnam )	II B.Tech Mech-I Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
30	INDUSTRIAL VISIT(Cyclone Warning Centre and Doppler Radar Station, Visakhapatnam )	IV B.Tech ECE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
31	INDUSTRIAL VISIT(220 KV Substation Gajuwaka )	III B.Tech EEE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
32	INDUSTRIAL VISIT(Brandix India Apparel City, Atchutapuram)	I,II MBA Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
33	INDUSTRIAL VISIT(RAMCO Cements Limited, Yelamanchili)	IV B.Tech MECH Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
34	INDUSTRIAL VISIT(Hindustan Shipyard Limited & Steel Plant Museum)	III B.Tech MECH Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
35	INDUSTRIAL VISIT(The Chodavaram Co Operative Sugar Ltd)	II B.Tech MECH Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1

36	INDUSTRIAL VISIT(Sileru Hydroelectric Power Plant )	III B.Tech EEE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
37	INDUSTRIAL VISIT(Visakhapatnam Steelplant Musuem)	III B.Tech CSE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
38	INDUSTRIAL VISIT(Inspire Edge IT Solutions Visakhapatnam)	III B.Tech CSE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
39	INDUSTRIAL VISIT(Etikoppaka Sugar Factory Visakhapatnam)	II B.Tech Mech,EEE Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
40	COLLABORATIVE FACULTY EXCHANGE(NextGen Recruitment Ventures Limited)	IV B.Tech Students(148)	Avanthi Institute Of Engineering& Technology Makavarapalem	1
41	COLLABORATIVE FACULTY EXCHANGE (Reference Globe)	IV B.Tech Students(148)	Avanthi Institute Of Engineering& Technology Makavarapalem	1
42	COLLABORATIVE FACULTY EXCHANGE(MySlate)	IV B.Tech Students(148)	Avanthi Institute Of Engineering& Technology Makavarapalem	1

43	COLLABORATIVE FACULTY EXCHANGE(COIGN CONSULTANTS PVT.LTD)	IV B.Tech Students(148)	Avanthi Institute Of Engineering& Technology Makavarapalem	1
44	COLLABORATIVE RESEARCH	1.Dr.CPVNJ Mohan Rao Professor & Principal, CSE Department,AIET, 2. Dr. S.Pallam Shetty, Professor, Dept of CS&SE, AUCE, Visakhapatnam	self	1
45	COLLABORATIVE RESEARCH	1.Dr.CPVNJ Mohan Rao Professor & Principal, CSE Department,AIET, 2. Dr. S.Pallam Shetty, Professor, Dept of CS&SE, AUCE, Visakhapatnam	self	1
46	COLLABORATIVE RESEARCH	1.Dr.CPVNJ Mohan Rao Professor & Principal, CSE Department,AIET, 2. Dr. S.Pallam Shetty, Professor, Dept of CS&SE, AUCE, Visakhapatnam 3.P V G D Prasad Reddy, Professor,Dept of CS&SE, AUCE, Visakhapatnam	self	1
47	COLLABORATIVE RESEARCH	1. Dr. CH Suresh Associate Professor Mechanical Engineering Department,AIET, 2.A. Ramki, Assistant Professor, Mech Engg Dept, Raghu Institute of Technology, Visakhapatnam, 3. K. Brahma Raju, Professor, Mech Engg Dept,SRKR College of Engineering, Bhimavaram, 4.K.Venkata Subbaiah Professor of Mechanical Engineering , Andhra University, 5.K.E.Jagadish, Assistant Professor, Mech Engg Dept, Raghu Institute of Technology, Visakhapatnam.	self	1



48	COLLABORATIVE RESEARCH	1. S. Ravi teja Asst Professor Mechanical Engineering Department,AIET 2. V Srinivas, Mech Engg Dept,GITAM, Visakhapatnam, 3. K.N.S.N.Moorthy, Mech Engg Dept, Institute of Aeronautical Engineering, Hyderabad	self	1
49	COLLABORATIVE RESEARCH	1. E Govind Associate Professor, HOD ECE Department AIET & 2.Srilatha Dr. V.B.S.S.Indira Dutt, Associate Professor, ECE Dept, GITAM University, Visakhapatnam	self	1
50	COLLABORATIVE RESEARCH	1.R Prasad Rao, Associate Professor& Vice Principal ECE Department AIET, 2. Dharma Raj Cheruku, Professor, ECE Dept, GITAM,Visakhapatnam, & 3.Srinu Budumuri,Professor, ECE Dept, GITAM,Visakhapatnam.	self	1
51	COLLABORATIVE RESEARCH	1.T Pattala Naidu Asst Professor, ECE Department,AIET & 2. Dr. A Kamala Kumari, Assistant Professor, Department of Instrument Technology, andhra University, Visakhapatnam	self	1
52	COLLABORATIVE RESEARCH	1.T Pattala Naidu Asst Professor, ECE Department,AIET & 2. Dr. A Kamala Kumari, Assistant Professor, Department of Instrument Technology, andhra University, Visakhapatnam	self	1
53	COLLABORATIVE RESEARCH	1.T Pattala Naidu Asst Professor, ECE Department,AIET & 2. Dr. A Kamala Kumari, Assistant Professor, Department of Instrument Technology, andhra University, Visakhapatnam	self	1

54	COLLABORATIVE RESEARCH	1.M Santhosh Kumar Asst Professor H&BS Department AIET, 2.V B Kumar Vatti,Department of Engineering Mathematics, AUCE, Visakhapatnam, 3.G Chinna Rao, Department of Engineering Mathematics, AUCE, Visakhapatnam	self	1
55	INDUSTRIAL VISIT(Hindustan Shipyard Limited Visakhapatnam)	III MECHANICAL B.Tech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
56	INDUSTRIAL VISIT(Synergies Casting Limited Visakhapatnam)	IV MECHANICAL B.Tech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
57	INDUSTRIAL VISIT(Hindustan Shipyard Limited & Steel Plant Museum Visakhapatnam)	I,II MBA Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
58	INDUSTRIAL VISIT(Visakhapatnam Steel Plant)	II MECHANICAL B.Tech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
59	INDUSTRIAL VISIT(The Chodavaram Co Operative Sugar Ltd)	II MECHANICAL B.Tech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1
60	INDUSTRIAL VISIT(All India Radio AM Transmitting Station Aganampudi, Visakhapatnam)	II ECE B.Tech Students	Avanthi Institute Of Engineering & Technology Makavarapalem	1

61	INDUSTRIAL VISIT(Hinduja National Power Corporation Ltd)	III EEE B.Tech Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
62	INDUSTRIAL VISIT(Hinduja National Power Corporation Ltd)	II EEE B.Tech Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
63	INDUSTRIAL VISIT(132/33 KV Substation Narasingabelli Visakhapatnam)	II EEE B.Tech Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
64	INDUSTRIAL VISIT(Miracle Software Solutions Visakhapatnam)	II,III CSE B.Tech Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
65	INDUSTRIAL VISIT(Symbiosis Technologies Visakhapatnam)	III CSE B.Tech Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
66	INDUSTRIAL VISIT(Inspire Edge IT Solutions Visakhapatnam)	III CSE B.Tech Students	Avanthi Institute Of Engineering& Technology Makavarapalem	1
67	COLLABORATIVE FACULTY EXCHANGE(FACE- Focus 4D Career Education Pvt.Ltd)	IV B.Tech Students(163)	Avanthi Institute Of Engineering& Technology Makavarapalem	1

68	COLLABORATIVE FACULTY EXCHANGE(SIX PIIRASE)	IV B.Tech Students(163)	Avanthi Institute Of Engineering & Technology Makavarapalem	1
69	COLLABORATIVE FACULTY EXCHANGE(WALYS CRT TRAINING ACADEMY)	IV B.Tech Students(163)	Avanthi Institute Of Engineering & Technology Makavarapalem	1
70	COLLABORATIVE FACULTY EXCHANGE(OMEGAC2 C CARRER SOLUTIONS PVT.LTD)	IV B.Tech Students(163)	Avanthi Institute Of Engineering & Technology Makavarapalem	1

  
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## AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved By AICTE, Permanently Affiliated to JNT University, Kakinada,  
Accredited by NAAC & Recognized Under 2(f) and 12 (b) by UGC, New Delhi)  
Tatamam, Makavarapalem, Narsipatnam(R D), Visakhapatnam Dist-531113

### NSS Activities

S.No.	Title of the Activities	Date	Organizing / collaborating agency	Resource Person	Faculty	Students
1	National Yoga Day Awareness On Yoga	21-06-2017	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET, Makavarapalem	3	198
2	Technology Reduce Gender Discrimination	23-07-2017	Andhra University	Dr. Lathi Bhaskari , Professor, Andhra University Rao	20	180
3	Awareness On 'Jnanabhoomi Portal'	29-07-2017	Steel Plant and Andhra University	Prof. Ch. V V S Bhasjara Reddy EEE, Au, Dr. Chitti Babu DGM (training), Steel plant, Mr. M Srinivasarao MP (AKP)	6	134
4	Voter Registration Awareness Camp	01-08-2017	Mandal Revenue Office, Makavarapalem. AIET , Makavarapalem	Mr. Prasad (DT) MRO office, Mr. Vasu Senior Asst.	9	209
5	Motivational Session And Improve Seriousness	02-08-2017	Mr. Yandamoori Veerandranath, Kakinada	Mr. Yandamoori Veerandranath, Kakinada	6	282
6	Blood Donation Camp	04-09-2017	Amma Blood Bank, Gaguwaka.	Mr. Ayyanapatrudu, M. L.A , Narsipatnam	4	45
7	Swatch Bharat	09-08-2017	Z.P.H SCHOOL BODY , PHC, Makavarapalem	Dr. Madhulatha , PHC Makavarapalem	5	85
8	Self Defence Workshop For Girls	18-08-2017	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET,	6	190
9	Yuvamahostavam akavarapalem	29-12-2017	Youth Affairs , Govt. of AP	Mr. D Gurunath (PD) conducted events cycling, fancy dress, fashion show , Swatcha Bharat, on the event of Vivekananda Birthday celebrations	8	195
10	National Voters Day,	25-01-2018	Mandal Revenue Office, Makavarap	Mr. Prasad (DT) MRO, Office	3	210

	Awareness On Voter Registration		alem.			
11	Pongal Celebrations	11-01-2018	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET, Makavarapalem	25	400
12	Energy Conservation Awareness , Tamaram	08-01-2018	Steel Plant, Visakhapatnam	Mr. T Srinivas AGM, steel plant and member PCRI	4	152
13	5k Run , ANRAK	07-01-2018	Walkers Club, Narisipatnam.	Dr. C.P.V.N.J Mohan Rao Principal, AIET, Mr. E Govinda , HOD, (ECE ), Sri. A.N.S Prakash, Mr. N V Ashok , got 25th place and received a medal.	5	110
14	Presentation On Domestic Violence	02-01-2018	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET,	7	190
15	Challenges Of Women In Work Place	02-02-2018	N.S.S., J.N.T.U., Kakinada.	Smt. A. Himabindu, Managing Director , Novel Patient Services ,AIET, Makavarapalem	15	127
16	Awareness Programme On Gender Equalities In Education	15-02-2018	Andhra University, Visakhapatnam	Dr. S. Prajna , Professor, Andhra University	4	118
17	Women's Day Celebrations	08-03-2018	AP, POLICE, Nakkapalli. J.N.T.U., Kakinada.	Smt. L. Revatamma Inspector of police, Nakkapalli	20	240
	Anti Tobacco Awareness Programme	01-06-2018	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET., MAKAVARAPALEM	8	152
19	Awareness Programme On Women Safety And Respect	05-06-2018	DCWS,( Division of Child Welfare Services) makavarapalem	Mrs. Santhi Priya DCWS, Makavarapalem	6	95
20	Plantation Programme	06-06-2018	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET, Makavarapalem	7	68
21	International Yoga Day	21-06-2018	N.S.S., J.N.T.U., Kakinada.	Mr. G SHYAM	4	193

22	International Day Of Against Drug ABUSE & ILLICIT TRAFFICKING	26-06-2018	AP, Police Makavarpalem	Smt. L. Revatamma Inspector of police,	6	196
23	Blood Donation Camp	04-09-2018	Rotary Blood Bank, Narsipatnam	Area Hospital, Narsipatnam	6	48
24	Session On Leadership	01-10-2018	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.V.N.J Mohan Rao Principal, AIET Makavarapalem	9	175
25	Kishori Vikasam Training	29-12-2018	DCWS, Makavara palem	Miss. SanthiPriya DCWS , Miss. Achiyyamm, MPP , Makavarapalem	5	116
27	Medical Camp(Janmabhomi Programme), Makavarapalem	03-01-2019	Sankar Foundation EYE Hospital	Dr. C.P.V.N.J Mohan Rao Principal, AIET, Medical Camp , Makavarapalem Panchayathi office	6	84
26	Seminar On Women Empowerment	01-02-2019	N.S.S., J.N.T.U., Kakinada.	Dr. Lalitha bhaskari, Professor in CSE, Andhra University	40	195
28	Blood Donation Camp , Narsipatnam	11-02-2019	Visakha Dairy, visakhapatnam	MR. S. Suryanarayana, Director, Visakha Dairy Visakhapatnam	6	62
29	Seminar On 'Women's Rights In India On Women's Day	08-03-2018	Avanthi institute of engineering and technology makavarapalem	Dr. Lalitha bhaskari, Professor in CSE, Andhra University	5	158
30	Sanitization And Hygiene Awareness Programme	06-04-2019	Kastruibha School, Tamaram, MKVP High School	Mrs. Jagadeshwari Rao, Head Misters , Tamaram	5	75
31	Literacy Awareness Programme For Women	08-06-2019	Grama Sachivalayam, pydipala	Dr. CPVNI Mohan Rao, Principal, AIET	6	83
32	Awareness Programme On Self-Defence For Girls Organized By NSS	17-06-2019	Makavarapalem Police Station	Sri.Y Rishanth Reddy, IPS,	5	62
33	International Yoga Day	21-06-2019	N.S.S., J.N.T.U., Kakinada.	Nr. Giri Yoga Master	10	185



34	Empowerment Of Women Education In Rural Swatcha Maan, Swatch Bharat On Mind	07-07-2019	ZPH school, Makavarapalem	Mr. Ramana Head master	12	83
35	Control Emotion Control, Practice Of Yoga , Meditation To Get Relieved From Stress	13-07-2019	BrahamaKumari's Samazam, makavarapalem	Sri. B K Nageswararao, Smt M K Devi	6	137
36	Plantation In Our College Campus And Planted 100 Trees	18-07-2019	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	3	86
37	NSS Unit Awareness Camp To Motivated For Conducting The Social Works	19-07-2019	N.S.S., J.N.T.U., Kakinada.	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	4	187
38	Anti Ragging Awareness Programme	22-08-2019	N.S.S., J.N.T.U., Kakinada.	Sri.Y Rishanth Reddy, IPS, Addl. Supdt. Of Police and Sri. P. Appala Naidu Senior Advocate	6	235
39	Teachers Day Celebration On Occasion Of Sarvepalli Radhakrishna	04-09-2019	N.S.S., J.N.T.U., Kakinada.	Dr. CPVNJ Mohan Rao, Principal, AIET	65	38
40	Youth Meet	18-11-2019	Dept of youth Affairs, Govt. of AP	Naga keerthi got in 2nd place in Elucution	3	68
41	ENERGY Conservation Awareness	18-12-2019	N.S.S., J.N.T.U., Kakinada.	Sri. Farhat Khan (EE) ,APEPDCL ,AE, APEPDCL , Makavarapalem	4	56
42	Road Safety Awareness Programme	21-01-2020	N.S.S., J.N.T.U., Kakinada.	Mr. Sanjeeva Rao, MVI Graced	5	176
43	Voters Awareness Programme	15-02-2020	Mandal Revenue Department, Makavarapalem		8	116
44	ENERGY Conservation Awareness	18-02-2020	Steel Plant and PCRA (petroleum Conservation	Dr. R V Ramana Rao (Retd) SE AP TRANSCO, Dr D.	7	178



	Programme		research assoication)	Kanakayya (Retd) DGM		
45	Door To Door Survey Usage Of Public Toilets And Child Literacy	28-02-2020	Z.P.H SCHOOL BODY, Bhurugupallem	Mr. Ruthala Satyanarayana, Ex. Prisedent, Bhurugupalem	6	96
46	Swatch Bharat Sanitation And Hygiene Awareness	29-02-2020	ICDS, Makavarapallem	Miss. Pushpa Latha, I.C.D.S	9	82
47	Plantation Clean And Green Schools, Temples And Hospitals	01-03-2020	PHC., Burugupalem village	Mr. Ruthala Satyanarayana, Ex. Prisedent, Bhurugupalem	8	84
48	Literacy Awareness For Village People	02-03-2020	Z.P.H School, Burugupalem	Mr. Ruthala Satyanarayana, Ex. Prisedent, Bhurugupalem	8	76
49	Sanitation And Hygiene Awareness Program	03-03-2020	ICDS, Makavarapallem	Miss. Pushpa Latha, I.C.D.S	5	76
50	Grama Sahba Importance Of Birth And Death Certificate Awareness About Digital Payments	04-03-2020	GramaSachivalay am, Bhurugupallem	Mr. Ruthala Satyanarayana, Ex. Prisedent, Bhurugupalem	6	75
21	Medical Camp Eye Check Up	05-03-2020	KIMS ICON, Visakhapatnam	Mr.Suryanarayana , Director, Visakha Dairy	9	94
52	Blood Donation Camp	05-03-2020	Rotaray Blood Bank , visakhapatnam	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	10	52
53	Service Activity (2k Run) By Girls At ANRAK On The Eve Of International Women's Day	08-03-2020	N.S.S., J.N.T.U., Kakinada,	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	5	42
56	World No- Tobacco Day	31-05-2020	NSS, JNTUK	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	5	150

54	Distribution Of Masks And Sanitizers	09-06-2020	NSS, JNTUK	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	4	10
55	Awareness On COVID 19 Prevention And Management	17-08-2020	NSS, JNTUK	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	2	153
57	Covid Vaccination Camp	11-10-2021	PHC, Makavarapalem	Mr. Srinivas Rao, ASO , makavarapalem; Smt. Lakshmi , VRO , Makavarapalem;	12	100
58	Voter Registration Awareness Programme	28-10-2021	Mandal Revenue Department, Makavarapalem	Smt Rani Ammagi, MRO, Makavarapalem;Mr. Srinivas Rao, ASO , makavarapalem	24	150
59	Covid Vaccination Camp	15-12-2021	PHC, Makavarapalem	Smt. N.Uma, ML.H.P , Makavarapalem, Miss K. Srivalli, ANM	26	140
60	Covid Vaccination Camp	07-01-2022	PHC, Makavarapalem	,Smt. N.Uma, ML.H.P , Makavarapalem, Miss K. Srivalli, ANM	10	140
61	Women's Day	08-03-2022	NSS, JNTU, Kakinda	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	28	132
62	Plastic Free Environment	21-03-2022	Govt. High school, Tamaram	Mr. G. Hari Babu, President, Tamaram; Mr. K. Achituroo, Head Master , Z.P. High School;Mr.Venkata Krishna ,Secretary, Tamaram	5	68
63	Tree Plantation	22-03-2022	Grama Sachivalayam, Tamaram, Govt. High school, Tamaram.	Mr. G. Hari Babu, President, Tamaram; Mr. K. Achituroo, Head Master , Z.P. High School;Mr.Venkata Krishna ,Secretary, Tamaram	3	65
64	Blood Donation Camp	23-03-2022	Amma Blood Bank, Gajuwaka and Rotray Club, Narsipatnam	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	12	120
65	Health And Hygienic	24-03-2022	Kasturiba Residential School, Govt. High school, Tamaram	Dr. C.P.VN.J Mohan Rao, AIET, Makavarapalem	3	34

66	Anti Tobacco Awareness Programme	25-03-2022	Govt. Junior College, Makavarapalem	Mr. G. Hari Babu, President, Tamaram; Mr. K. Achituroo, Head Master, Z.P. High School; Mr Venkata Krishna, Secretary, Tamaram	5	38
67	Awareness Programmed On Natural Composite In Fields	26-03-2022	Grama Sachivalayam, Tamaram	Mr. G. Hari Babu, President, Tamaram; Mr. K. Achituroo, Head Master, Z.P. High School; Mr. Venkata Krishna, Secretary, Tamaram	4	120

  
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**AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**  
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**ACTION TAKEN REPORT --- 2017-18**

Stakeholders' responses to various aspects of relevance, curriculum content, student placement and employability were analyzed and, based on their feedback, actions were implemented as presented in the following table

S.No	FEEDBACK	ACTION TAKEN
1	An input on updating and revision of syllabus was given by the Faculty by keeping the industry trends as their nodal point.	Principal and HoD's for each department conducted meeting annually wherein the feedback given by the subject Faculty were put forward to the BOS, JNTUK for appropriate action.
2	Received suggestion for conducting training classes on communication skills and aptitude for B. Tech III & IV year students.	Placement coordinator prepared a schedule and successfully conducted training classes on communication skill and aptitude. 10 training programs are organized for capability enhancement
3	To involve students in more extension activities	NSS coordinator conducted activities like Blood donation, Tree Plantation, Medical Camp. 17 programs are organized
4	Quality assurance initiatives	Organized events on quality improvement. Internal academic and administrative audit is carried out.
5	Placements data for 2016-17	Placement Officer presented placement statistics 2016-17 and analysis was based on total students, eligible and interested students, higher studies/business, companies visited and students placed. Measures were taken to bring companies offering higher pay packages.
6	Collaborations and Value Add Courses with premier institutions Faculty for the academic year 2017-2018	Activities were conducted under collaborations and Value Add Courses with premier institutions.



		5 MoUs were signed and 28 value added courses are organized.
7	Organization of guest lectures, FDPs, seminars and workshops on latest trends in engineering and Management.	All the departments successfully organized webinars, FDPs and seminars on latest trends in engineering and management.
8	Preparation of Annual Quality Assurance Report(AQAR) 2017-2018	AQAR 2017-2018 is prepared.
9	Preparation of analysis on quality outcomes.	The Quality Outcome Impact Analysis was completed in terms of maintaining and improving quality and was found to be satisfactory.

**Conclusion:**

In order to improve students' competences and skills, the employer's feedback analysis reports are discussed at joint meetings between all faculty members and IQAC.



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**ACTION TAKEN REPORT-2018-19**

Stakeholders' responses to various aspects of relevance, curriculum content, student placement and employability were analyzed and, based on their feedback; actions were implemented as presented in the following table.

S.No	FEEDBACK	ACTION TAKEN
1	Adding of few topics in the syllabus of various courses is received	Principal and HoD's for each department conducted meeting annually wherein the feedback given by the subject Faculty were put forward to the BOS, JNTUK for appropriate action.
2	received suggestions on usage of ICT in teaching-learning.	On the basis of Feedback given by the students it was decided to make the teaching more ICT based. All the faculty departments were asked to use ICT tools rigorously to make the content delivery more effective.
3	Received suggestion to introduce Online certificate courses.	IQAC suggested HoDs to perform need analysis to introduce Online certificate courses for additional and life-long learning. To encourage students to register and complete one MOOCS course through NPTEL every year.
4	To provide opportunity to update knowledge in publication ethics, preparation and uploading of manuscripts for publication in peer reviewed journals	Organized a workshop on Research methodology and paper writing for faculty members to enhance quality of publications
5	The need for more technical exposure was stressed by the teachers to enhance the employability of students. Students can be industry ready only if they are exposed to real life situations in their course work.	More number of Industrial visits is planned. Students are encouraged to take up Project work in related and accessible organizations to have better exposure.

9	Alumni requested for the improvement in the workshops to be specific according to the industrial needs	20 value added courses / capability enhancement programs on advanced technologies are organized in order to make the students industry-ready.
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**Conclusion:**

In order to improve students' competences and skills, the employer's feedback analysis reports are discussed at joint meetings between all faculty members and IQAC.



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**ACTION TAKEN REPORT ----2019-2020**

Stakeholders' responses to various aspects of relevance, curriculum content, student placement and employability were analyzed and, based on their feedback, actions were implemented as presented in the following table.

S.No	FEEDBACK	ACTION TAKEN
1	An input on updating and revision of syllabus was given by the Faculty by keeping the industry trends as their nodal point.	Principal and HoD's for each department conducted meeting annually wherein the feedback given by the subject Faculty were put forward to the BOS, JNTUK for appropriate action.
2	Review of activities conducted in the college during 2019-20 academic sessions.	Extensive effort has been put by IQAC 29 value added courses 13 capability enhancement programs 9 MoUs for collaborative activities 24 extension activities by NSS unit 7 professional development programs Were organized.
3	Employer and alumnus suggested to add new programs of emerging areas viz., Artificial intelligence, Data Science etc.,	Applied to AICTE for sanction of B Tech (AI & ML) with an intake of 60 and got the approval.
4	Suggestions received for revision of curriculum further by focusing more on skill enhancement, use of modern techniques, tools, hands on process etc. Student should be given opportunities to work on different real-life problems addressing the ethical practice and moral values.	Measures are taken to assign real time problems as project topics for all the pre final and final year students. Faculties are suggested to adopt more experimental approach tools during content delivery.
5	Organize training sessions on new teaching methods and upcoming subject areas	Organized faculty development programmes on teaching methodologies.



6	To improve skill set of staff to optimize ICT enabled teaching	Effective use of ICT (video conferencing, smart class rooms etc) were enhanced through in-house training sessions
7	Based on the feedback received from the alumni, the curriculum must be designed to build a core competency in the discipline.	Steps will be taken to plan workshops according to specializations to build basic skills and core competencies.

**Conclusion:**

In order to improve students' competences and skills, the employer's feedback analysis reports are discussed at joint meetings between all faculty members and IQAC.



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**ACTION TAKEN REPORT-2020-21**

Stakeholders' responses to various aspects of relevance, curriculum content, student placement and employability were analyzed and, based on their feedback; actions were implemented as presented in the following table.

S.No	FEEDBACK	ACTION TAKEN
1	The faculty provides information on curriculum updates and revisions based on industry trends.	The Principal and HODs of each department held an annual meeting at which the information provided by the faculty concerned was submitted to the BOS, JNTUK, for appropriate action.
2	Review of activities conducted in the college during 2020-21 academic sessions.	Extensive effort has been put by IQAC 8 value added courses 5 capability enhancement programs 5 MoUs for collaborative activities 4 extension activities by NSS unit Were organized by IQAC for quality improvement.
3	Faculty emphasized the need for more internships for students	During the summer holidays, all students were obliged to take part in an internship, allowing them to experience the demands of the industry while studying. This enabled students to assess their position in the industry and enhance their potential with regard to their field of interest.
4	Improve students' cognitive and communication skills by encouraging more assignments and presentations.	Students were motivated to do more assignments and presentations, as part of their curriculum. Faculties are advised to design and assign more assignments for the course they are dealing with.

5	The Faculty felt that books for GATE and other competitive examinations to be made available in the Library for students	The Library committee has taken up steps to procure the Books needed.
6	To improve skill set of staff to optimize online tools enabled teaching	The effective use of online teaching tools ICT (e.g. videoconferencing, LMS) has been improved through in-house training sessions.

**Conclusion:**

The HoDs also submitted the Department 's plan of activities to overcome the gaps developed due to COVID pandemic during the academic year-2020-21 in the subsequent semesters.

  
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**ACTION TAKEN REPORT-2021-2022**

The response to various aspects with regard to relevance, content of the curriculum, student placement and employability were analyzed and based on their feedback, actions were carried out which are presented in the following table.

S.No	FEEDBACK	ACTION TAKEN
1	An input on updating and revision of syllabus was given by the Faculty by keeping the industry trends as their nodal point.	The HoD's for each department conducted meeting annually wherein the feedback given by the subject teachers were put forward to the BOS of the university to take a final decision for the required revision of syllabus.
2	The need for more practical sessions was stressed by the teachers to enhance the employability of students. Students can be industry ready only if they are exposed to real life situations in their class rooms and laboratories	More practical courses were included in the curriculum based on the feedback of the teachers. The quality of the existing practical courses was updated by introducing an additional experiment in each laboratory course.
3	Faculty emphasized the need for more hands on experience in industries during summer vacations so that students get a firsthand experience of the needs of the industry during their course period and get themselves ready in their fields of interest	Internships were made compulsory for all students during summer vacations to give them exposure and a taste of industry requirements during their course period. This also enabled them to assess their standing in the industry and improve their potential with respect to their field of interest
4	More assignments and presentations to be encouraged to improve the cognitive and communication skills of the students.	Students were motivated to do more assignments and presentations, as part of their curriculum. Greater component of continuous assessment marks were allotted for assignments and presentations
5	Faculty felt they needed exposure to broaden their research perspectives in newer and	Hands on training sessions and workshops were organized to train the staff to handle and



	industrially vital focus areas by acquiring knowledge on new techniques and concepts. They suggested the management to provide hands on training to familiarize themselves with new instruments and concepts	operate high end sophisticated equipments. Organized refresher courses, orientation courses, faculty improvement programmes, workshops, etc to enable the faculty to update their knowledge. Staff members were also encouraged to participate in training sessions conducted by other universities, institutions
6	Organize training sessions on new teaching methods and upcoming subject areas	Organized faculty development programmes and workshop on IPR. The need for patenting was emphasized.
7	To improve skill set of staff to optimize ICT enabled teaching	Effective use of ICT (video conferencing, smart class rooms etc) were enhanced through in-house training sessions
8	To provide opportunity to update knowledge in publication ethics, preparation and uploading of manuscripts for publication in peer reviewed journals	Organized two days Workshops for faculty members to enhance quality of publications
9	Felt the need to have industrial experts to handle special sessions on industry oriented subjects for value addition	Special lectures / interactive sessions by industrial experts were organized.

#### Conclusion:

Analysing stakeholder feedback and taking appropriate action to meet the expectations of students, parents and employers is taken up by the IQAC as a continuous activity. This helped us improve our curriculum according to stakeholder expectations.

  
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