



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (Autonomous)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa - 531 162, Bheemunipatnam (Mandal), Visakhapatnam (District)

Phones : 08933 - 225083, 225084, 9154220250.

Website : www.anits.edu.in

e-mail : principal@anits.edu.in

ANNUAL REPORT

Academic Year 2021-2022



Preamble

Annual report is a comprehensive official document delineating the Institution's activities throughout the preceding year. The report provides a significant amount of information for its readers, NAAC, NBA, Department Higher of Education, stakeholders, potential investors who will be able to get a good overview of the Institution. The report contains information, such as a letter from the Institution's head, performance highlights of the preceding years (courses, curricula, syllabus, admissions, results, and placements), financial information (financial statements), and objectives and goals for future years.

Journey of ANITS

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (ANITS) was founded by Anil Neerukonda Educational Society (ANES) in the fond memory of Anil Neerukonda, son of Dr. B R Prasad Neerukonda. Its humble journey started in 2001 with an intake of 220 students into four undergraduate B.Tech programmes. Within a few years of its establishment, the institute registered phenomenal growth and is accredited by NBA(IT, CSE, EEE, ECE, Mech, Chemical and CIVIL), and by NAAC. It is permanently affiliated to Andhra University and has achieved autonomous status in 2015. Further, the institute has been currently ranked as one of the best among the private engineering colleges in Andhra Pradesh. It has been recognised as "Centre for Excellence " by Infosys and is accorded by Andhra University as "Centre for Research". Today, the institute offers nine B.Tech. Programmes and six M.Tech. Programmes with an annual total intake of about 1060 students. The institute offers amenities like separate hostels for boys and girls, indoor and outdoor games, transport covering all the major locations of Visakhapatnam and medical aid provided by The NRI Institute of Medical Sciences which is a sister concern of ANITS provides 24x7 medical assistance to students, staff and hostel inmates. Apart from the Modern laboratories, well established teaching methodology and implementation of the best practices, the wonderful coordination of the management, Faculty and Parents has so far played a crucial role in shaping the future of the ANITIANS and has been the amulet of the Institute's phenomenal growth. The success stories of our champions at several qualifying exams for the higher studies like GRE, TOEFL, CAT, the impressive track record of the placements with highest known packages in MNCs like Google, Amazon, Infosys, TCS and so on are the sweetest fruits of our efforts. PRAGNANAM BRAHMA, the motto of ANITS, is truly practiced by all the members of ANITS family, a direct effort to serve the society, nation and mankind as well.

Value Added Courses

Value added courses serve a variety of purposes for different students they bridge the gap in different phases of academic study. Sometimes they are used to provide additional professional training and qualifications. They also make students better prepared to meet industry demands as well as develop their own interests and aptitudes. ANITS offers a wide range of Value added courses which are conducted after class hours or during semester breaks. These courses are conducted by professionals and subject experts and help students stand apart from the rest in the job market by adding further value to their resume.

S.NO	Name of the Department	Name of the value added courses offered	Number of students enrolled
1	Chemical	Safety In Process Industries	55
2	Chemical	Scilab - An OpenSource Tool (A Practical Approach)	45
3	Chemical	Identification And Understanding of Potential Hazards in Chemical Industries	32
4	Chemistry	Chemical Instrumental Techniques In Industries/ Environmental Procedures	220
5	Civil	Design of Pre Engineered Buildings	60
6	Civil	Building Information Modelling	70
7	CSE	Redhat Linux Systems	313
8	CSE	J2EE	115
9	ECE	FPGA Based System Design Using VHDL	210
10	ECE	Exploring Internet of Things	203
11	EEE	Matlab essential tools for research applications	183
12	EEE	Design of Electrical Machines-1	173
13	EEE	Design of Electrical Machines-1	173
14	English	Fundamentals of Communication Skills	190
15	IT	Artificial Intelligence & Machine Learning	211
16	IT	Wipro Talent Next	128
17	IT	Google Android Development Using Kotlin	183
18	Mathematics	A Two Week Value Added Course on Numerical Techniques	180

19	Mathematics	A Two Week Value Added Course on Statistical Methods and Numerical Techniques	250
20	Mechanical	Fundamentals And Hands on Approach to Robotics	259
21	Mechanical	Value Added Course on Welding Technology	259
22	Mechanical	A Two Week Value Added Course on Fundamentals of Programming Languages	230
23	Physics	Value Added Course: Materials for Engineers	290

Placements

Placements (Campus Placements) refers to a process conducted within universities and other educational institutions to provide jobs to students when they are in the final year of their studies. In this process, the educational institutions partner with corporations and MNCs who wish to recruit from the student population. The Placement process plays a foremost role in shaping up the career objectives of the students. It is the dream of every undergraduate student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is observed that training is important for undergraduate students to develop their employability skills and achieve good placement in several industries and MNCs around the world. Therefore, Placements give students the opportunity for improvement of skills explicit to their subject or industry of choice as well as the employability skills required for real work. It also expands their knowledge of an industry or sector, which helps them to make better well-versed decisions about future career choices.

S.No	Name of the Departments	No. of Placements
1.	Electronics & Communication Engineering (B.Tech)	377
2.	Information Technology (B.Tech)	319
3.	Computer Science (B.Tech)	431
4.	Civil Engineering (B.Tech)	47
5.	Electrical & Electronics Engineering (B.Tech)	260
6.	Mechanical Engineering (B.Tech)	228
7.	Chemical Engineering (B.Tech)	50
8.	Mechanical (M.Tech)	05
Total		1717

ExtraCurricular Activities

Co-curricular activities are those that are carried out along with the academic subjects which may include – Physical education, Music, Speech and Drama, Dance, Gym, Yoga. In most Institutions, these activities are mandatory and follow a set curriculum. On the other hand, extra-curricular activities are those which may be conducted before or after College hours and are optional for students to join them. Activities such as Coding, Martial arts, debate clubs, swimming, Musical instruments, outdoor sports like Cricket, Football etc. are offered by most of the Institutions. Students are free to choose these activities as per their interest or skills to further enhance their learning in that particular art or subject. Students actively participate in these extra curricular activities and win many prizes.

S.No	Level of Event	Gold	Silver	Bronze	First	Second	Third	Others
1.	International	-	-	-	-	-	-	-
2.	National	-	-	-	-	-	-	12
3.	State	-	-	01	01	02	-	03
4.	Inter University/ Inter College Inter District	01	01	01	01	01	01	01

Competitive Exams

Competitive exams are central exams where millions of students and individuals appear for the exam every year. Various Competitive exams are conducted in India for various fields like engineering, medicine and law which are intended for recruiting the best candidates for a right job in the public sector. For instance, Civil service exam, GATE, GRE, CSIR NET etc. Such exams are highly competitive and require time and effort to qualify. Many of our Faculty and students qualified in those exams in various fields and got selected for public sector jobs and got admissions in many prestigious foreign universities.

S.No	Type of Exam	No.of Students Qualified
1.	GATE	40
2.	CAT	04
3.	GRE	08
4.	IELTS	16
5.	TOEFL	01
6.	State/Central Government Examinations	03
Total		72

Paper Publications

Publishing a research paper is a form of acknowledging the work one has done in his/her domain. It is a way of presenting one's own work and one's contribution into a larger context. It guarantees that he/she has an experience, exposure, expertise, and views recognized in the field of research. This makes scientific researchers and practitioners with similar interests aware of new knowledge in their field and it helps to advance knowledge and its application. Having a robust body of published works helps professionals advance his /her career as he/she is considered for academic appointments and promotions.

S.No	No. of publications in SCOPUS indexed journals	No. of publications in SCI / WOS indexed journals	No. of publications in UGC approved journals	Total
01	32	35	29	96

S.No.	Name of the Department	No.of Papers published
1.	Electronics & Communication Engineering	23
2.	Information Technology	13
3.	Computer Science	17
4.	Chemical Engineering	05
5.	Civil Engineering	
6.	Mechanical Engineering	10
7.	Electrical & Electronics Engineering	20
8.	Basic Sciences & Humanities	10

Mou's

A memorandum of understanding (MoU) is a document that describes the general principles of an agreement between two or more parties. Its goal is to achieve a mutual understanding of the partnership, so one can move forward into an enforceable contract everyone feels confident about. It clearly expresses the agreed upon roles and responsibilities each organization or agency will be providing to ensure the institute's success. The roles and responsibilities should align with the institution's goals, objectives and target outputs. It also illustrates the resources each partner would contribute to the Institute. This can be contributing staff time, making in-kind contributions, delivering services, offering training or expertise, etc.

S.No	Department	No of MOU'S	Name of the institution / industry/ corporate house
1.	Electronics & Communication Engineering	03	BSNL
			AECC Global
			Uni Academic consultants LLP
2.	Information Technology	01	Hotspare Technologies
3.	Computer Science	01	Cyber security Center of Excellence
4.	Chemical Engineering	02	Aharya Technologies
			Vedanta Bio Tech
5.	Civil Engineering	02	SSS BALAJI BUILDERS
			Transcad Engineering and Detailing Pvt. Ltd.
6.	Mechanical Engineering	05	APSSDC
			DATAPRO
			MJ CNC TECHNOGIES
			IDP Education India Private Limited
			SanKetika Vidya Parishad Engineering College
7.	Electrical & Electronics Engineering	02	Zunik Energies Pvt. Ltd.
			HIEE Pvt. Ltd.
8.	Basic Sciences & Humanities	01	SITAM

Workshops and Seminars

Workshops and Seminars play a vital role to bridge the gap and equip the students of the current generation with new-age technologies in any academic programme. The Seminars and Workshops provide an opportunity for a group of students to discuss and analyze a range of new material, ideas and concepts together with the tutor by ensuring a proper flow of knowledge.

They are an innovative and welcome step towards modern education.

In this way, it is not only academic understanding that you will gain but also a chance to develop a wide range of personal and key skills. These may include how best to communicate and present one's views and build one's confidence when speaking in front of a wide variety of audience. The purpose of a seminar may include:

- Providing an opportunity to explore a topic in depth
- Surveying and critically evaluating different viewpoints
- Developing a wide range of communication and study skills
- Building confidence
- Easing communication between students and tutors.

S.No	Department	No. of Workshops/Seminars Organised
1.	Electronics & Communication Engineering	05
2.	Information Technology	15
3.	Computer Science	13
4.	Chemical Engineering	02
5.	Civil Engineering	02
6.	Mechanical Engineering	12
7.	Electrical & Electronics Engineering	09
8.	Basic Sciences & Humanities	01
Total		59

FDPs Organised

The main idea behind Faculty Development Programmes (FDPs) across the world is “upskill”. The curricula of various programmes at many universities are updated to keep pace with the changing demands of the industry. Students also join the courses with expectations of learning the latest curriculum. While younger faculty who have graduated more recently may be better skilled, the experienced ones are the backbone of the teaching-learning environment and academic administration at the universities/Institutions. Hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations.

There are many ways for faculty to upskill themselves: attending conferences and training programs, getting involved in research projects, earning online certification through various MOOC portals and through relevant FDPs. Well-planned and curated FDPs are an investment in human resources, and ultimately result in enhanced teaching and learning experience.

<u>S.No</u>	<u>Dept</u>	Title of the professional development/ administrative training programs organised for teaching staff (Professional development/ administrative training programs)	No. of participants
1	Civil	Training on Total Station to lab Technicians	3
2	Chemistry	Two day Workshop on Chromatographic Techniques: Thin Layer Chromatography with hands on experience-for Faculty	25
3	Chemistry	A two day workshop and hands on experience for Technicians on Electroanalytical techniques	7
4	CSE	Block Chain & Distributed Ledger	100
5	CSE	REDHAT-Linux Systems Administration	7
6	ECE	MS office (NonTeaching)	8
7	ECE	IoT using Raspberry pi (Teaching and Non Teaching)	31
8	ECE	A Practical Approach to IoT & Cloud connectivity (NonTeaching)	7
9	IT	5 Day FDP on Digital Teaching Techniques	25
10	IT	5 Day FDP on Wipro Talent Next	25
11	IT	A two day technical staff training program on "IOT KITS"(Non Teaching)	3

12	Mechanical	Skill development program for laboratory technicians	11
13	Mechanical	Skill enhancement program for technicians	11
14	Mechanical	Skill development program for laboratory technicians	11
15	Mechanical	Trouble-shooting and preventive maintenance of All geared lathe	11
16	EEE	FDP on "Power Electronics Applications to Smart grid and Electric Vehicles"	94
17		FDP on "Cyber Security Challenges, Detection and Mitigation Techniques for the Smart Grid"	52
18	EEE	Training program on MATLAB	5
19	PHYSICS	Professional development program on "OUTCOME BASED EDUCATION" - FOR FACULTY	21
20	English	Workshop on Communication skills and Grooming Etiquette" to technical and supporting	37
21	Mthematics	A one week FDP on MATLAB	25

Faculty FDP's Participation:

S.No	Name of the Department	Faculty Participation
1.	Mechanical	36
2.	ECE	27
3.	Civil	08
4.	Chemistry	08
5.	CSE	36
6.	Chemical	08
7.	Mathematics	11
8.	IT	24
9.	Physics	08
10.	English	08
11.	EEE	19
Total		193

R. Srikanth
Convener, IQAC

Convener, IQAC
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.

[Signature]
Principal

Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.



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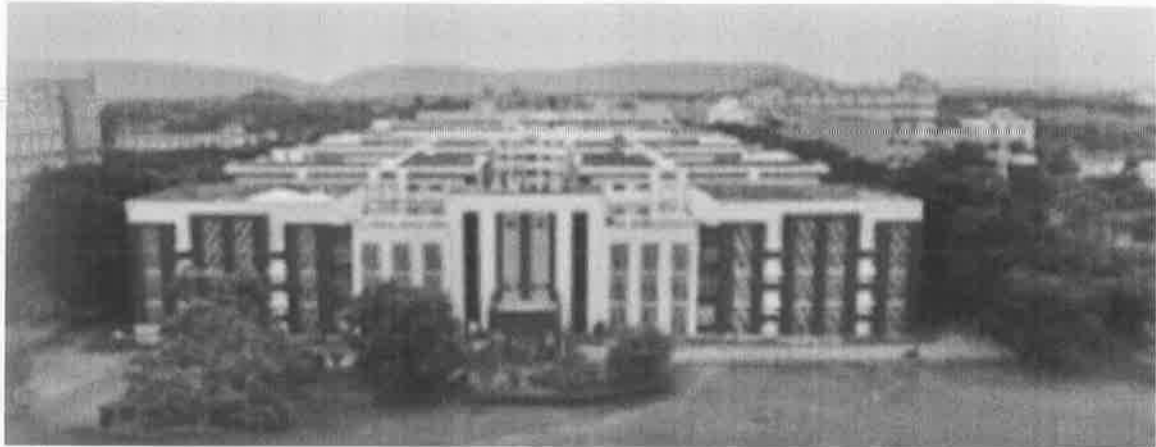
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Website : www.anits.edu.in

e-mail : principal@anits.edu.in

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practiced by all the members of ANITS family, a direct effort to serve the society, nation and mankind as well.

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1. Value Added Courses

Value added courses serve a variety of purposes for different students: they bridge the gap in different phases of academic study. Sometimes they are used to provide additional professional training and qualifications. They also make students better prepared to meet industry demands as well as develop their own interests and aptitudes. ANITS offers a wide range of Value-added courses which are conducted after class hours or during semester breaks. These courses are conducted by professionals and subject experts and help students stand apart from the rest in the job market by adding further value to their resume.

Usage: The add-on course gives you an insight about the profession you want to pursue and also gives you a chance to change your path if your interest doesn't set in. Universities can introduce add on courses to students so that they can choose subjects of their area of interest.

SNO	Name of the value-added courses (with 30 or more contact hours) offered	No. of times offered during the year	Duration of course (in hours)	Year of offering (Month and Year)	Number of students enrolled during the year	Number of students who completed the course during the year	Department Name
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1	IoT BASICS AND RASPBERRY PI BASED SYSTEM DESIGN	1	30	Apr-21	196	196	ECE
2	FPGA BASED SYSTEM DESIGN USING VHDL	1	30	Apr-21	209	203	ECE
3	Basics of Analog IC Design	1	30	Oct-20	194	194	ECE
4	Microcontroller programming using Keil	1	30	Oct-20	199	199	ECE
5	Design techniques of Electrical Machines	1	36		132	132	E.E.E
6	MATLAB essentials tools for research applications	1	36		123	123	E.E.E
7	CODING CLASSES ON DATA STRUCTURES AND ALGORITHMS	1	30		113	113	CSE
8	SOFTWARE INDUSTRY-TOOLS AND METHODOLOGIES-PHASE -1,2,3	1	30		212	120	CSE
9	Python Programming through INFYTQ	1	36		175	175	
10	Value added course on "CATIA" in association with APSSDC	1	48		74	74	MECH
11	Value added course on "Advanced Surface Design by CATIA" in association with APSSDC	2	48		82	82	MECH
			48		184	184	MECH

12	Value added course on "Product Design & Drafting by CATIA" in association with APSSDC	1	48		195	195	MECH
13	Value Added Course on Revit Architecture	1	30		51	51	MECH
14	Value Added Course On Mat lab Tools	1	36		56	56	Chemical
15	CRT coding classes on DataStructures using Python	1	30	30-06-2021 To 05-06-2021	97	97	CSE
16	VALUE ADDED COURSE ON JAVA	1	38	23-08-2021 TO 30-08-2021	211	211	IT
17	VALUE ADDED COURSE ON DBMS	1	40	14-08-2021 TO 21-08-2021	211	211	IT
18	A 5 week Value added course on Fundamentals of Programming Languages A Hands on Training session	1	68	18-01-2021 to 20-02-2021	257	256	MECH
19	A 2-Week Value Added Course on Building Information Modelling	1	40	Febraur y 2021	60	60	CIVIL
20	Value added course on Application of Excel to solve engineering problems	1	36	19th April, 2021 to 24th April 2021	50	48	CHEMIC AL
21	A One Week value added course PSPICE of electrical circuits	1	30	Apr-21	150	150	EEE

22	A one-week value added course on "Design of Electrical Machines	1		07-03-2021 to 12-03-2021	178	178	EEE
23	A one-week value added course on "MATLAB tools"	1		01-03-2021 to 06-03-2021	56	56	

2. MoU:

A memorandum of understanding (MoU) is a document that describes the general principles of an agreement between two or more parties. Its goal is to achieve a mutual understanding of the partnership, so one can move forward into an enforceable contract everyone feels confident about. It clearly expresses the agreed upon roles and responsibilities each organization or agency will be providing to ensure the institute's success. The roles and responsibilities should align with the institution's goals, objectives and target outputs. It also illustrates the resources each partner would contribute to the Institute. This can be contributing staff time, making in-kind contributions, delivering services, offering training or expertise, etc

Sl. No.	Name of the institution/ industry/ corporate house	Month and Year of signing MoU	Duration	List of activities under each MOU	Number of students/teachers who benefitted from MoUs
1	BSNL, Vishakapatnam	1/30/2021	5 Years	collaboration for conducting training under this MOU and in General for technical & management courses whereby BSNL will impart the requisite training and award credits for the training conducted on its own, to the registered students.	79
2	Zunik Energies Private Limited	2/25/2019	5 Years	Advancement in Inverter technology for industrial applications	180
3	REDHAT	11/1/2019	2 years	A SEMINAR ON LINUX SYSTEM ADMINISTRATION IN ASSOCIATION WITH REDHAT	40
4	HOTSPARE, E-	3/25/2021	3 Years	Internship on AI	25

	Services(pvt). Ltd.,			Foundation, Python and Data Science	
5	Andhra Pradesh State Skill Development Corporation (APSSDC)	4/1/2018	10/24/2022	A One Week Workshop on Problem Solving Skills using C	50
6	National Highway Authority of India (NHAI)	7/13/2020	5 Years	Guest lecture on "Construction of Bridges"	56
7	Aaharya Technologies PVT Ltd	12/30/2019	3 years	Lecture on Entrepreneurship with theme "Entrepreneur's Mindset" on 24th Dec-2020	125
8	Infosys Campus Recruitment Program	5/6/2019	Every year Renewal	On Campus Recruitment program	285
9	Talentio Training Program	7/11/2018	2018-2022	Company Specific Trainings and Mock Testes, Mock Inteviews	800
10	International School of Engineering (INSOFE) Program	4/4/2019	2019-20	FDP	15
11	BLACKBUCKS	6/1/2020	2/28/2021	Quiz and programming tests	23

3. Workshops and Seminars:

A workshop may introduce a new idea, inspire participants to further explore it on their own, or may illustrate and promote actual process practice. It is a great way to teach hands-on skills as it gives learners an opportunity to try out new methods and fail in a safe environment.

A seminar is a form of academic instruction, either at an academic institution or offered by a commercial or professional organization. It has the function of bringing together small groups for recurring meetings, focusing each time on some particular subject, in which everyone present is requested to participate.

S.No	Name of the Department	No.of Workshops/seminar
1	Chemical	2
2	CSE	10
3	EEE	1
4	MECH	11

The Following are Workshops/Seminars Organized by various department for Academic Year 2020-2021.

4. Paper Publications:

It is through publication that the research, including its scientific and practical contributions, is disseminated to others in a particular field. This makes scientific researchers and practitioners with similar interests aware of new knowledge in their field and it helps to advance knowledge and its application.

The following are the paper publications details of various branches of our institution for academic year 2020-2021:

S.No	Name of the Department	No.of Paper Published	UGC	SCOPUS	SCIE
1	ECE	13	0	7	6
2	CSE	50	37	9	4
3	EEE	10	5	2	3
4	IT	25	24	1	-
5	MECH	15	7	5	3
6	CHEM	03	2	1	-
7	CIVIL	01	1	0	-
8	BASIC SCIENCES	10	-	10	-

S. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	ISSN number	Is it listed in UGC Care list
1	Providing consistent state to distributed storage system	Ram Prasad Reddy Sadi	IT	Computers (MDPI)	2073 - 431 X	Scopus
2	Chatbot for Moratorium Customers	A. Bhanusri	IT	International journal of Management Technology and Engineering	2249 - 7455	UGC

3	Evaluation of handwritten arithmetic equations	PrasaduReddi	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
4	Inventory Management for Emart grocery shop	Mr.Chandrasekhar	IT	International Journal of All Research Education and Scientific Methods	2455 - 6211	UGC
5	SIGN LANGUAGE RECOGNITION	Mrs.Navya Sri	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
6	SPEECH EMOTION RECOGNITION	Mrs.J.S.V Sai Hari Priyanka	IT	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
7	Road Detection from a picture using Computer Vision	Mrs.M.Swathi	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
8	SENTIMENT ANALYSIS ON SCRAPED TWEETS	Dr.P.Padmaja	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
9	Handling Imbalanced Data with Machine Learning Algorithms	Dr.M.Rekha Sundari	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
10	Corona virus detection using chest X-rays	Dr.K.Sharada	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
11	Just-Learn Web Application in Software Engineering Domain	Dr. V.Suresh	IT	International Journal of All Research Education and Scientific Methods	2455 - 6211	UGC

12	Number Plate Detection Using Python	Mr.Pandit Samuel	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
13	PREDICT IF A CUSTOMER WOULD BE SIGNING A LOAN OR NOT	Mrs.J.S.V.Sai Hari priyanka	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
14	Covid-19 dynamic Dashboard	Mrs.Surekha	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
15	PLACEMENT APPLICATION USING SALESFORCE PLATFORM	Mr.PrasaduR eddi	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
16	Speech Emotion Recognition using MLP Classifier	Mrs.Navya Sri	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
17	AIR QUALITY PREDICTION Using Machine and Deep learning Models	Mrs.Vijaya Lakshmi	IT	ICTACT JOURNAL ON DATA SCIENCE AND MACHINE LEARNING	2229 - 6948	UGC
18	MICROBLOGGING ON TWITTER	Mr.Durga Praveen Kumar	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
19	IOT Smart Agriculture and automatic Irrigation System IOT PROJECT	Mrs.K.Swathi	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
20	Smart Attendance system through AI	Prof. P.Padmaja	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC

21	STAR FINANCEA SMALL AND MEDIUM BANKING WEB APPLICATION	Mr. P.Sathish	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
22	Automatic Medicine Dispenser	Mrs.U.Gouth ami	IT	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
23	Malaria Detection using Machine Learning	Mrs.V.V.Nag a Mani	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
24	Mask Detection System	Mrs.A.Surek ha	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
25	Cab Booking System	Mr. Aditya Sundar	IT	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
26	Maximum 3D Tsallis entropy based multilevel thresholding of brain MR image using attacking Manta Ray foraging optimization	Mr.B.Jena	ECE	Engineering Applications of Artificial Intelligence	0952 - 1976	Scopus
27	Non-Linear Frequency Modulated Radar Echo Signal Cancellation using Interrupted Sampling Repeater Jamming	Ms.Ch.Anoos ha	ECE	International Journal of Performability Engineering	0973 - 1318	Scopus
28	Investigation of Influence of SiN and SiO ₂ Passivation in Gate Field Plate Double Heterojunction Al _{0.3} Ga _{0.7} N/GaN/ Al _{0.04} Ga _{0.96} N High Electron Mobility Transistors	Dr.P.Muruga Pandiyam	ECE	Silicon (2021)	1876 - 9918	SCIE

29	Investigation of Influence of SiN and SiO ₂ Passivation in Gate Field Plate Double Heterojunction Al _{0.3} Ga _{0.7} N/GaN/Al _{0.04} Ga _{0.96} N High Electron Mobility Transistors	Mr.N.Ram Kumar	ECE	Silicon (2021)	1876 - 9918	SCIE
30	Highly scaled graded channel GaN HEMT with peak drain current of 2.48 A/mm	Mr.N.Ram Kumar	ECE	AEU-International journal Electronics and Communications	1434 - 8411	SCIE
31	A leader Harris hawks optimization for 2-D Masi entropy-based multilevel image thresholding	Mr.B.Jena	ECE	International journal Multimedia Tools and Applications	1573 - 7721	Scopus
32	Nanosheet field-effect transistors-A next-generation device to keep Moore's law alive: An intensive study	Dr.P.Muruga Pandiyan	ECE	Microelectronics Journal	0026 - 2692	SCIE
33	Pixel density based trimmed median filter for removal of noise from surface image	Dr.Bhaskara Rao Jana	ECE	Applied Nanoscience	2190 - 5517	SCIE
34	Improvise hierarchy of Floating Point Multiplication using 5:3 compressor	Dr.K.V.G.Srinivas	ECE	International Journal of Electronic Letters	2168 - 1724	Scopus
35	Design of 4-bit ALU using sub-threshold adiabatic logic (SAL)	Dr.G.Manmadha Rao	ECE	Journal of the Indian Academy of Sciences, SADHANA	0973 - 7677	SCIE
36	Implementation of Automated Attendance System using Deep Learning and CNN	Dr.A.Lakshmi Narayana	ECE	International Journal of Xidian University	1001 - 2400	Scopus

37	An adaptive Harris hawks optimization technique for two dimensional grey gradient based multilevel image thresholding	Mr.B.Jena	ECE	Applied Soft computing Journal	1568 - 4946	Scopus
38	A novel interdependence based multilevel thresholding technique using adaptive equilibrium optimizer	Mr.B.Jena	ECE	international Journal of Engineering applications of Artificial Intelligence	0952 - 1976	Scopus
39	A feasibility study on the production of methyl ester from second and third generation feed stocks	R. Srikanth	Chemical Engg.	Materials Today: Proceedings	2214 - 7853	Scopus
40	A Review on Coronavirus Disease a New Threat to Public Health and Strategies for Rational Use of Personal Protective Equipment (PPE)	R. Srikanth	Chemical Engg.	International Journal of Research and Technology	2321 - 7529	UGC
41	Process Optimization for Methyl ester production from Used Cooking Oil using Response Surface Methodology	R. Srikanth	Chemical Engg.	International Journal of New Innovations in Engineering and Technology	2319 - 6319	UGC
42	Non-Destructive compressive behavior of sustainable fiber reinforced concrete columns exposed to temperature upto 700°C	M.K.S.S.K Chaitanya	civil	Journal of Green Engineering	2245 - 4586	UGC
43	Practical Identity Based Online/Off-Line Signcrypton Scheme for Secure Communication in Internet of Things	Dr. Sivaranjani Reddi	CSE	IEEE ACCESS	2169 - 3536	SCIE

44	Lightweight secure communication system based on Message Queuing Transport Telemetry protocol for e-healthcare environments	Dr. Sivaranjani Reddi	CSE	International Journal of communication systems	1099 - 1131	SCIE
45	Human Gender Classification Using Face Recognition	Dr. Sivaranjani Reddi	CSE	Mukt Shabh Journal	2347 - 3150	UGC
46	Provable Secure Dynamic Light Weight group communication in VANET's	Dr. Sivaranjani Reddi	CSE	Transactions On Emerging Telecommunications Technologies	2161 - 3915	Scopus
47	Comparitive Analysis of Lung Disease Detection Using Deep Learning Models	G.V. Gayathri	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
48	Comparitive Analysis of Lung Disease Detection Using Deep Learning Models	B.Siva Jyothi	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
49	A Novel Approach to Predict Movie Rating Using Data Mining	T. Anitha	CSE	International Journal of Management, Technology & Engineering	2249 - 7455	UGC
50	Codec of OTP with CAPTCHA	T. Anitha	CSE	International Journal of Management, Technology & Engineering	2249 - 7455	UGC
51	Explainable Artificial Intelligence to Predict Cardiovascular Diseases	Dr. K. S. Deepthi	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
52	Music Recommendation System With Plagiarism Detection	P Krishnanjane yulu	CSE	International Journal of Management, Technology and Engineering	2249 - 7455	UGC
53	Credit Card Fraud Detection using Autoencoders	P Krishnanjane yulu	CSE	Mukt Shabh Journal	2347 - 3150	UGC

54	Online Book Recommender System Using Collaborative Filtering Algorithm	S JOSHUA JOHNSON	CSE	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
55	Handwritten Digit Recognition using Machine Learning in Python	S.V.S.S. LAKSHMI	CSE	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
56	Sentiment and Emotional analysis for Texts, Emoticons & GIFs using Machine Learning Algorithms	S.V.S.S. LAKSHMI	CSE	International Journal of Management, Technology And Engineering	2249 - 7455	UGC
57	Using Deep Learning Model and Artificial Intelligence (Ai) For Fake Profile Identification in OSN Network	B. Siva Jyothi	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
58	Using Deep Learning Model and Artificial Intelligence (Ai) For Fake Profile Identification in OSN Network	G.V.Gayathri	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
59	Bird Species Identification Using Modified Deep Learning (CNN) Model by Integrating Cascaded Softmax Layer	K. Amaravathi	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
60	Bird Species Identification Using Modified Deep Learning (CNN) Model by Integrating Cascaded Softmax Layer	N.Lokeshwar i	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
61	Automatic Facial Expression Recognition using CNN and RNN Algorithm's	K. Amaravathi	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC

62	Automatic Facial Expression Recognition using CNN and RNN Algorithm's	N.Lokeshwari	CSE	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
63	Traffic analyser app using IOT	S. Bosubabu	CSE	International Journal of Management Technology and Engineering	2249 - 7455	UGC
64	Printed Text to Speech Conversion by Improving OCR Accuracy using Spell Correction	G Santoshi	CSE	Mukt Shabh Journal	2347 - 3150	UGC
65	Chat BotFor Movies Using Natural Language Processing	G Santoshi	CSE	Mukt Shabh Journal	2347 - 3150	UGC
66	Automated Attendance System	S.A. Bhavani	CSE	Mukt Shabh Journal	2347 - 3150	UGC
67	Baby Cry Classification Using Machine Learning Algorithms	G. Pranitha	CSE	International Journal of Management, Technology and Engineering	2249 - 7455	UGC
68	Heart Disease Prediction Using Machine Learning Algorithms	G. Pranitha	CSE	International Journal of Management, Technology and Engineering	2249 - 7455	UGC
69	Classification of groundwater using Simplified fuzzy adaptive resonance theory	R. N D S S Kiran	CSE	International Journal of Design & Nature and Ecodynamics	1755 - 7437	Scopus
70	Classroom Attendance Using Face Detection	DR. K. Suresh	CSE	International Journal of Management, Technology and Engineering	2249 - 7455	UGC
71	Automatic Abstract Text Summarizer	Dr. K. Suresh	CSE	Journal of emerging technologies and Innovative research	2349 - 5162	UGC

72	Information of College through Virtual Assistant	Dr. M. Ramakrishna Murthy	CSE	International Journal of Management, Technology and Engineering	2249 - 7455	UGC
73	PREDICTIVE ANALYSIS OF COVID-19 AND ITS PREVALENCE	Dr. M. Ramakrishna Murthy	CSE	Journal Of Emerging Technologies and Innovative Research	2349 - 5162	UGC
74	A Survey on Server Load Forecasting	S. Ratan Kumar	CSE	Mukt Shabh Journal	2347 - 3150	UGC
75	Application of Seq2Seq model in building a Chatbot	G.V. Gayathri	CSE	Mukt Shabd Journal	2347 - 3150	UGC
76	Cloud Based Chatbot for College Students Using DialogFlow Integrated to Website and Android Application	B. Mahesh	CSE	International Journal of Management Technology and Engineering	2249 - 7455	UGC
77	Face mask detection system using deep learning	Siva Jyothi	CSE	Mukt Shabd Journal	2347 - 3150	UGC
78	Real time object measurement using canny edge detection	K. Chandrasekhar	CSE	International Journal of Management, Technology and Engineering	2249 - 7455	UGC
79	Automated Personality classification using Big five personality traits	V Mamatha	CSE	Mukt Shabd Journal	2347 - 3150	UGC
80	Stock Price Prediction Using LSTM	N D S S Kiran Relangi	CSE	Mukt Shabd Journal	2347 - 3150	UGC
81	Character Recognition in Natural Images using Neural Networks	K. Chandrashekar	CSE	Mukt Shabd Journal	2347 - 3150	UGC
82	Prediction of COVID-19 Outbreak and infected patient's recovery using data mining techniques	N. Lokeswari	CSE	Mukt Shabd Journal	2347 - 3150	UGC

83	Behaviour analysis of customer using random forest algorithm	B Siva Jyothi	CSE	Mukt Shabd Journal	2347 - 3150	UGC
84	Internet of Things in Healthcare: Architecture, Applications, Challenges, and Solutions	Dr. Sivaranjani Reddi	CSE	International Journal of Computer Systems Science & Engineering	0267 - 6192	SCIE
85	Blockchain privacy-preserving smart contract centric multiple multiparty key agreement over large WANETs	Dr. Sivaranjani Reddi	CSE	Transactions on Emerging Telecommunications Technologies	2161 - 3915	SCIE
86	Secure Dynamic Interactive Blood Bank based on Cognitive Computing	Dr. Sivaranjani Reddi	CSE	International Journal of Industrial Engineering & Production Research Iran University of Science & Technology	2008 - 4889	Scopus
87	Quantum Diffie–Hellman Extended to Dynamic Quantum Group Key agreement for e-Healthcare Multi-Agent Systems in Smart cities	Dr. Sivaranjani Reddi	CSE	sensors(mdpi)	1424 - 8220	Scopus
88	Multiparty Quantum Key Agreement with Strong Fairness Property	Dr. Sivaranjani Reddi	CSE	International Journal of Computer Systems Science & Engineering	0267 - 6192	Scopus
89	Blockchain -based Patient Centric Health Care Communication System	Dr. Sivaranjani Reddi	CSE	Transactions On Emerging Telecommunications Technologies	2161 - 3915	Scopus

90	A comprehensive Survey of best practices of moving sensitive data using cryptographic aspects for securing communication in wireless IoT and Wired insecure networks	G. Jagadish	CSE	Journal of Critical Reviews	2394 - 5125	Scopus
91	Exploring Deep Learning Methods	G. Pranitha	CSE	PAIDEUMA JOURNAL	0090 - 5674	Scopus
92	Predicting the Outcome of a T20 Cricket Game Based on the Players' Abilities to Perform Under Pressure	Mamatha Vayelapelli	CSE	IEIE Transactions on Smart Processing and Computing	2287 - 5255	Scopus
93	Dynamical aspects of anisotropic Bianchi type VI 0 cosmological model with dark energy fluid and massive scalar field	Mr. K. Deniel Raju	MATHEMATICS	Indian Journal of Physics	0974 - 9845	Scopus
94	Kaluza-Klein FRW dark energy models in Saez-Ballester theory of gravitation	Mr. K. Deniel Raju	MATHEMATICS	New Astronomy	1384 - 1076	Scopus
95	Dispersion of Solute in Saturated Porous Medium through a Rotating Straight Pipe	Dr., M. V. Subba Rao	MATHEMATICS	Aegaeum Journal	0776 - 3808	---
96	Dispersion of Solute in Saturated Porous Medium through a Rotating Straight Pipe	Mr. S. Anand Kumar	MATHEMATICS	Aegaeum Journal	0776 - 3808	---
97	Dispersion of Solute in Saturated Porous Medium through a Rotating Straight Pipe	Dr. G. Ananda Rao	MATHEMATICS	Aegaeum Journal	0776 - 3808	---

98	PPF dependent fixed points of contractive type mappings	Mr. M. Vinod Kumar	MATHEMATICS	Dynamics of Continuous, Discrete and Impulsive systems Series A: Mathematical Analysis	1201 - 3390	Scopus
99	PPF dependent fixed points of generalized contractive type mappings using C-class functions with an application	Mr. M. Vinod Kumar	MATHEMATICS	Novi Sad Journal of Mathematics	1450 - 5444	Scopus
100	Kantowski-Sachs universe with dark energy fluid and massive scalar field	Mr. K. Deniel Raju	MATHEMATICS	Canadian Journal of Physics	0008 - 4204	Scopus
101	Bianchi type-III dark energy cosmological model with massive scalar meson field	Mr. K. Deniel Raju	MATHEMATICS	Astro physics and Space sciences	1572 - 946 X	Scopus
102	APPLICATION OF FACT DEVICES FOR VOLTAGE STABILITY IN A POWER SYSTEM	Prof. J. Vijaya Kumar	EEE	International Journal of Research and Analytical Reviews	2349 - 5138	UGC
103	Control and Simulation Analysis on Grid Side of a Doubly-Fed Induction Generator Wind Turbine using Different Controllers	Prof. J. Vijaya Kumar	EEE	International Journal for Modern Trends in Science & Technology	2455 - 3778	UGC
104	Review on Multi-Port Converters	Dr. M Dhananjaya	EEE	IETE Technical Review -Taylor and Francis	0974 - 5971	SCIE
105	Integrated multi-input DC-DC converter with reduced switches	Dr. M Dhananjaya	EEE	International Transactions on Electrical Energy Systems (wiley)	2050 - 7038	SCIE
106	Design of Sliding Mode Observer Based Controller of Single-Phase Induction Motor	Dr. Ch. V. N. Raja	EEE	International Journal for Modern Trends in Science and Technology	2455 - 3778	UGC

107	Enhancement of Voltage Regulation using a Multi-Level Inverter Based Electric Spring with Reduced Number of switches	Prof. J. Vijaya Kumar	EEE	International Journal of Power Electronics and Drive Systems	2088 - 8694	Scopus
108	Design and Analysis of Improved Single Input Dual-Output DC-DC Converter	Dr. M Dhananjaya	EEE	Electric Power Components and Systems-Taylor and Francis	1532 - 5016	SCIE
109	Speed Control of DC Motor Using Intelligent Controllers	Prof G Raja Rao	EEE	International Journal for Modern Trends in Science and Technology	2455 - 3778	UGC
110	Design of Controller for Large Scale Uncertain Systems via Reduces Order Model	Dr. T Narasimhulu	EEE	International Journal for Modern Trends in Science and Technology	2455 - 3778	UGC
111	Optimization of performance parameters of a double pipe heat exchanger with cut twisted tapes using CFD and RSM	M.Rajesh Ghosh	Mechanical	Chemical engineering and processing - Process intensification	0255 - 2701	Scopus & SCIE
112	Optimization of processing paramters using taguchi technique for mechanical properties of different damping materials	Dr.M.Prasanth Kumar	Mechanical	International journal of management, technology and engineering	2249 - 7455	UGC
113	Stress analysis of helical spring used in automobile suspension	Dr.M.Rajaro y	Mechanical	International journal of all research education and scientific methods	2455 - 6211	UGC
114	Optimization of machining parameters on CNC lathe AISi316L material with coated carbide inserts using taguchi GRA	RDV. Prasad	Mechanical	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC

	methods					
115	Optimization of machining parameters on CNC lathe AISI316L material with coated carbide inserts using taguchi GRA methods	BV.Ravi teja	Mechanical	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
116	Surface roughness analysis while machining AISI 1040 stepped steel bar using taguchi design of experiments	BV Raviteja	Mechanical	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
117	Surface roughness analysis while machining AISI 1040 stepped steel bar using taguchi design of experiments	RDV.Prasad	Mechanical	Journal of Emerging Technologies and Innovative Research	2349 - 5162	UGC
118	Developing python code for static and modal analysis of plane truss structure	R.Vara prasad	Mechanical	International journal for research in engineering application & management	2454 - 9150	UGC
119	Analysis on emmissions and performance of ceramic coated diesel engine fueled with novel blends using artificial intelligence	B.Nagaraju	Mechanical	Advances in materials science and engineering	1687 - 8434	Scopus
120	Multi-Objective Optimization of Thermo-Ecological Criteria-Based Performance Parameters of Reheat and Regenerative Braysson Cycle	R. Chandramouli	Mechanical	Journal of Energy Resources & Technology	0195 - 0738	Scopus

121	Multi-Objective Optimization of Thermo-Ecological Criteria-Based Performance Parameters of Reheat and Regenerative Braysson Cycle	M. S. S. Srinivasa Rao	Mechanical	Journal of Energy Resources & Technology	0195 - 0738	Scopus
122	Effect of heat treatment on mechanical properties of aluminium metal matrix composite (AA6061/MoS ₂)	M.Chandrasekhar	Mechanical	Advances in materials and processing technologies	2374 - 068 X	SCIE
123	A study on the residential building construction information, thermal sensation and the behavior of households in tamilnadu state-a questionnaire survey	Lenin VR	Mechanical	Energy sources, part-A:recovery, utilization, and environmental effects	1556 - 7036	SCIE
124	A review on advanced hybrid metal matrix composites reinforced with nano particles	PSVNB Gupta	Mechanical	International Journal of Advanced Research in Engineering and Technology	0976 - 6480	Scopus
125	A review on advanced hybrid metal matrix composites reinforced with nano particles	B.Naga raju	Mechanical	International Journal of Advanced Research in Engineering and Technology	0976 - 6480	Scopus
126	Synthesis, structural, dielectric and magnetic properties of cobalt ferrite nanomaterial prepared by sol-gel autocombustion technique	Dr.Y.Bheem Shankar Rao	Physics	Physica B: Condensed Matter	0921 - 4526	Scopus

5. Placements:

It (Campus Placements) refers to a process conducted within universities and other educational institutions to provide jobs to students when they are in the final year of their studies. In this process, the educational institutions partner with corporations and MNCs who wish to recruit from the student population. The Placement process plays a foremost role in shaping up the career objectives of the students. It is the dream of every undergraduate student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is observed that training is important for undergraduate students to develop their employability skills and achieve good placement in several industries and MNCs around the world. Therefore, Placements give students the opportunity for improvement of skills explicit to their subject or industry of choice as well as the employability skills required for real work. It also expands their knowledge of an industry or sector, which helps them to make better well-versed decisions about future career choices.

The Following table shows the placement details of various departments:

S.No	Name of the Departments	No. of placements
1.	Electronics & Communication Engineering (B.Tech)	286
2.	Information Technology (B.Tech)	193
3.	Computer Science & Engineering (B.Tech)	276
4.	Civil Engineering (B.Tech)	9
5.	Electrical & Electronics Engineering (B.Tech)	114
6.	Mechanical Engineering (B.Tech)	105
7.	Chemical Engineering (B.Tech)	46
Total		1029

6. Achievements in extracurricular co-curricular activities

Co-curricular activities are those that are carried out along with the academic subjects which may include – Physical education, Music, Speech and Drama, Dance, Gym, Yoga. In most Institutions, these activities are mandatory and follow a set curriculum. On the other hand, extra-curricular activities are those which may be conducted before or after college hours and are optional for students to join them. Activities such as Coding, Martial arts, debate clubs, swimming, Musical instruments, outdoor sports like Cricket, Football etc. are offered by most of the Institutions. Students are free to choose these activities as per their interest or skills to further enhance their

learning in that particular art or subject. Students actively participate in these extra-curricular activities and win many prizes.

Sports:

Branch	Name of the award/ medal	Team / Individual	inter-university / state / National/ International	Name of the event	Name of the student
Mechanical	Gana Kokila Award	Individual		classical Music- Bharath Arts Academy & ABC Foundation	Kolli Ramya Sri
Mechanical	Natya Manjeera	Individual		Dance- International Women's Day	Kolli Ramya Sri
Mechanical	Bronze Medal	Individual	State level	Andhra pradesh power lifting championship	G S D V Phani sai teja
IT	Silver Medal	Individual	State Level	S-56-10M Pistol Junior Women (ISSF) National Championship	Siyadri Vyshnavi

7. Competitive Exams

Competitive exams are central exams where millions of students and individuals appear for the exam every year. Various Competitive exams are conducted in India for various fields like engineering, medicine and law which are intended for recruiting the best candidates for a right job in the public sector. For instance, Civil service exam, GATE, GRE, CSIR NET etc. Such exams are highly competitive and require time and effort to qualify. Many of our Faculty and students qualified in those exams in various fields and got selected for public sector jobs and got admissions in many prestigious foreign universities.

S.No	Type of Exam	No.of Students Qulaified
1	CAT	4
2	GATE	94
3	GRE	4
4	IELTS	6
5	JAM	1

6	State Gov	1
Total Students		110

8. FDPs Organised

The main idea behind Faculty Development Programmes (FDPs) across the world is “upskill”. The curricula of various programmes at many universities are updated to keep pace with the changing demands of the industry. Students also join the courses with expectations of learning the latest curriculum. While younger faculty who have graduated more recently may be better skilled, the experienced ones are the backbone of the teaching-learning environment and academic administration at the universities/Institutions. Hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations.

There are many ways for faculty to upskill themselves: attending conferences and training programmes, getting involved in research projects, earning online certification through various MOOC portals and through relevant FDPs. Well-planned and curated FDPs are an investment in human resources, and ultimately result in enhanced teaching and learning experience.

S.No	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	Duration	No. of participants
1		A Two-day workshop on “8051 microcontroller Programming with Keil software”	23-11-2021 to 24-11-2021	6
2	Faculty orientation programme on Educational ROBOTICS		28-01-2021	23
3	FDP on "Control aspects of Industrial Electrical System"		15-12-2020 to 19-12-2020	15
4		Training Program on Python	18-01-2021	6
5	STTP on Failure and Damage Mechanics of High Performance Materials (Phase I)		13-07-2020 to 18-07-2020	401
6	STTP on Failure and Damage Mechanics of High Performance Materials (Phase II)		10-08-2020 to 15-08-2020	186
7	STTP on Failure and Damage Mechanics of High Performance Materials (Phase III)		14-09-2020 to 19-09-2020	118

8	STTP on Failure and Damage Mechanics of High Performance Materials (Phase IV)		12-10-2020 to 17-10-2020	136
9		A two day training programme on "MS office tools"	23-11-2020 to 24-11-2020	13
10	Professional development program on E Tabs		30-03-2021	10
11	Analysis Using Gas Chromatography		20-11-2020 to 21-11-2020	10
12		Operation of Gas Chromatography	21-11-2020	2
13	AICTE-ISTE Sponsored One Week Refresher/Induction Programme on Intelligent Learning (Phase-I)		17-02-2021 to 23-02-2021	131
14	AICTE-ISTE Sponsored One Week Refresher/Induction Programme on Intelligent Learning (Phase-II)		18-03-2021 to 24-03-2021	183
15	AICTE-ISTE Sponsered One Week Refresher/Induction Programme on Intelligent Learning (Phase-III)		29-04-2021 to 05-05-2021	106
16		One Day Professional development program on Installation, Working and applications of Spot Welding Machine	13-02-2021	10
17	A 5Day National Level FDP on Opportunities and Challenges in Next-Generation Semi conductor Devices		16-06-2020 to 20-06-2020	523
18	Faculty Training Program on Skill Development of Reserach		24-12-2020 To 29-12-2020	28
19	Two day Workshop on Reforms in assessment Process		13-03-2021 and 27-03-2021	45
20	Webinar on The art of Research Paper writing		27-04-2021	87
21		Workshop on "Inter-personal skills and Effective communication"	28-01-2021 to 29-01-2021	10
22	STTP on Privacy and Security in IoT(Phase-I)		27-07-2020 to 1-8-2020	87

23	STTP on Privacy and Security in IoT(Phase-II)		5-10-2020 to 10-10-2020	239
24	Python Programming through Infytq		27-03-2021	22
25				
26	Online FDP on Video Tutorial Education and Online Assessment		25-06-2020 to 05-07-2020	153
27		Training programme on Basics of MS Office	29-03-2021	4

FDP Participations:

S.No	Name of the Department	No.of Faculty FDP Participation
1	EEE	23
2	CSE	24
3	ENGLISH	6
4	CIVIL	4
5	IT	25
6	PHYSICS	8
7	MECH	25
8	CHEMICAL	10
9	MATHS	9
10	CHEMISTRY	5
11	ECE	8
Total Faculty FDP participation		150

R. Jeikanthi
Convener, IQAC

Convener, IQAC
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.

[Signature]
Principal

Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (Autonomous)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa - 531 162, Bheemunipatnam (Mandal), Visakhapatnam (District)

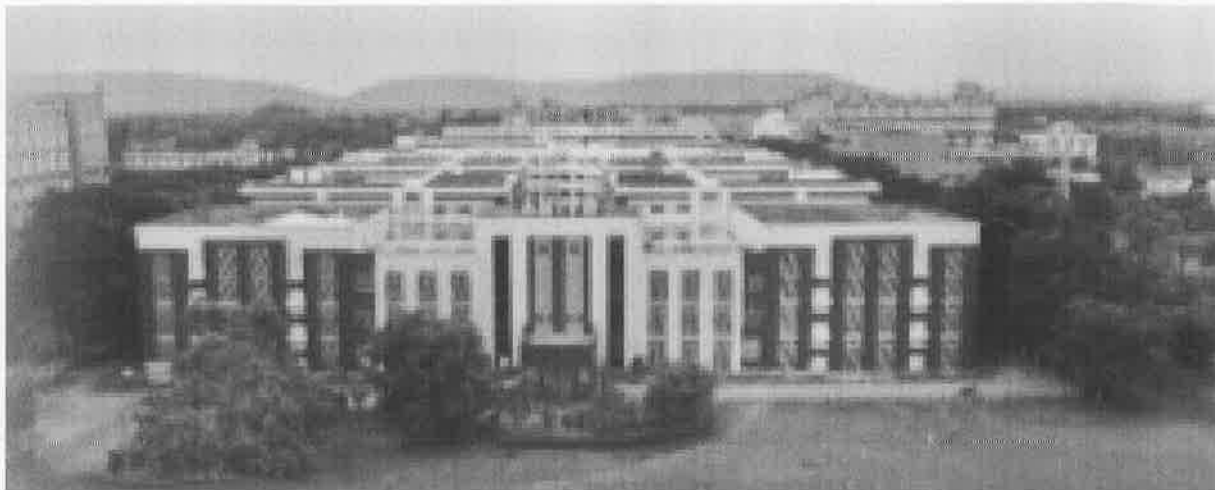
Phones : 08933 - 225083, 225084, 9154220250.

Website : www.anits.edu.in

e-mail : principal@anits.edu.in

ANNUAL REPORT

Academic Year 2019-2020



Preamble

Annual report is a comprehensive official document delineating the Institution's activities throughout the preceding year. The report provides a significant amount of information for its readers, NAAC, NBA, Department Higher of Education, stakeholders, potential investors who will be able to get a good overview of the Institution. The report contains information, such as a letter from the Institution's head, performance highlights of the preceding years (courses, curricula, syllabus, admissions, results, and placements), financial information (financial statements), and objectives and goals for future years.

Journey of ANITS

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (ANITS) was founded by Anil Neerukonda Educational Society (ANES) in the fond memory of Anil Neerukonda, son of Dr. B R Prasad Neerukonda. Its humble journey started in 2001 with an intake of 220 students into four undergraduate B.Tech programmes. Within a few years of its establishment, the institute registered phenomenal growth and is accredited by NBA (IT, CSE, EEE, ECE, Mech, Chemical and CIVIL), and by NAAC. It is permanently affiliated to Andhra University and has achieved autonomous status in 2015. Further, the institute has been currently ranked as one of the best among the private engineering colleges in Andhra Pradesh. It has been recognised as "Centre for Excellence " by Infosys and is accorded by Andhra University as "Centre for Research". Today, the institute offers nine B.Tech. Programmes and six M.Tech. Programmes with an annual total intake of about 1060 students. The institute offers amenities like separate hostels for boys and girls, indoor and outdoor games, transport covering all the major locations of Visakhapatnam and medical aid provided by The NRI Institute of Medical Sciences which is a sister concern of ANITS provides 24x7 medical assistance to students, staff and hostel inmates. Apart from the Modern laboratories, well established teaching methodology and implementation of the best practices, the wonderful coordination of the management, Faculty and Parents has so far played a crucial role in shaping the future of the ANITIANS and has been the amulet of the Institute's phenomenal growth. The success stories of our champions at several qualifying exams for the higher studies like GRE, TOEFL, CAT, the impressive track record of the placements with highest known packages in MNCs like Google, Amazon, Infosys, TCS and so on are the sweetest fruits of our efforts. PRAGNANAM BRAHMA, the motto of ANITS, is truly practiced by all

the members of ANITS family, a direct effort to serve the society, nation and mankind as well.

INDEX

S.No	Title
1.	Value Added Courses
2.	Workshops and Seminars
3.	Paper Publications
4.	MoU's
5.	Placements
6.	Competitive Exams
7.	Extra-Curricular activities
8.	FDP Organized
9.	FDP Participation

1. VALUE ADDED COURSES:

Value added courses serve a variety of purposes for different students they bridge the gap in different phases of academic study. Sometimes they are used to provide additional professional training and qualifications. They also make students better prepared to meet industry demands as well as develop their own interests and aptitudes. ANITS offers a wide range of Value-added courses which are conducted after class hours or during semester breaks. These courses are conducted by professionals and subject experts and help students stand apart from the rest in the job market by adding further value to their resume.

Name of the value added courses (with 30 or more contact hours) offered	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
SUMMER CRT-TRAINING	1	16-05-2020 TO 02-06-2020	1158	1065
HANDS ON TRAINING SESSION ON MATLAB TOOL	1	10-07-2019 TO 13-07-2019	49	49
PHYTHON PROGRAMMING	1	03-02-2020 TO 8-02-2020	47	47
CCC Phase II	1	From 13th July to 18th July 2019	35	35
Problem Solving Skills Using Python phase-1 & 2(APSSDC)	1	20-01-2020 to 25-01-2020 (one week)	197	197
Data structure and Python(Talentio)	1	08-02-2020 to 13-02-2020 (one week)	161	161

30 hour program in Scoping, Auditing and Analysis of Data Science Projects(insofy)	1	30 hours	14	14
Problem solving skills using 'Python' (APSSDC)	1	23-12-2019 to 28-12-2019 (One Week)	223	223

2. WORKSHOPS & SEMINARS

Workshops and Seminars play a vital role to bridge the gap and equip the students of the current generation with new-age technologies in any academic programme. The Seminars and Workshops provide an opportunity for a group of students to discuss and analyze a range of new material, ideas and concepts together with the tutor by ensuring a proper flow of knowledge. They are an innovative and welcome step towards modern education. In this way, it is not only academic understanding that you will gain but also a chance to develop a wide range of personal and key skills. These may include how best to communicate and present one's views and build one's confidence when speaking in front of a wide variety of audience. The purpose of a seminar may include:

- Providing an opportunity to explore a topic in depth
- Surveying and critically evaluating different viewpoints
- Developing a wide range of communication and study skills
- Building confidence
- Easing communication between students and tutors.

S.No	Name of the Department	No.of Workshop/Seminars
1	CSE	19
2	Mech	18
3	ECE	10
4	IT	6
5	Chemical	2
6	Civil	1

Name of the Dept	Name of the workshop/ seminar	Number of Participants	Date From – To	Details of Resource persons
Civil Engineering	APSSDC Python Training for III Years During	47	3 February 2020 - 8 February 2020	Narla Venkata Suryanarayana, Multi skill trainer and Ravi kishore, Technical skill trainer
CSE	Guest Lecture on “DATABASE DESIGN AND PROGRAMMING WITH SQL”	39	14th November 2019	N.Lokeswari, AsstProf,CSE,ANITS K.Amaravathi, AsstProf,CSE,ANITS
CSE	Guest Lecture on “PYTHON PROGRAMMING”	13	14th November	G.V.Eswara Rao, AsstProf,CSE,ANITS
CSE	Hacker Rank Coding Contest	41	15th November 2019	B.Mahesh, AsstProf,CSE
CSE	Seminar on “Artificial Intelligence and Machine Learning- Impact on computer science	80	19th November 2019	Mr.Somagiri Parupalli, Data Scientist, INSOFE
CSE	Guest Lecture on “Analytical and problem solving skills- in Big Data and Data Analytics”	250	6th December 2019	Prof Ganapati Panda, Professor, School of Electrical Sciences, Indian Institute of Technology,Bhubaneswar, Dr. Suresh Chandra Satapathy, Professor & Dean (Research) , School of Computer Engg, KIIT Deemed to be University, Bhubaneswar Khorda, Orissa, India Dr. Naeem M S Hannon, Associate Professor, Faculty of Electronic Engineering University Technology,Mara,Malaysia.
CSE	CSI-CODING CONTEST	50	7th December 2019(Level-1), 21st December 2019(Level-2)	ANITS-CSE-CSI STUDENT BRANCH CO-ORDINATORS

CSE	Seminar on "CYBER SECURITY AND ETHICAL HACKING"	75	13th December 2019	D.Jagadish(316126510136)(IV/IV CSE B) A.Aditya(316126510122)(IV/IV CSE B) M.Sesha Sai(316126510093)(IV/IV CSE B)
CSE	Guest Lecture on "BUILDING CUSTOMER RELATIONS IN IT INDUSTRY"	100	28th December 2019	Dr. G. Hima Bindu, Sr. Proj Manager, Wipro Ltd.
CSE	Workshop on PYTHON	120	30-12-2019 to 05-01-2020	Chaitanya Karri From APSSDC
CSE	Seminar on "OVERVIEW OF RED HAT SYSTEM ADMINISTRATION"	22	23rd January 2020	Dr. V. Usha Bala, Asst Prof, CSE
CSE	Workshop on "IoT USING MICROPYTHON"	12	24th January 2020	S.Bosu Bau, Asst Prof, CSE
CSE	Seminar on "HIGHER EDUCATION IN AUSTRALIA-BY IDP EDUCATION FAIR"	84	30th January 2020	IDP EDUCATION FAIR TEAM
CSE	CSI-CODING CONTEST	50	2nd February 2020 2019(Level-1), 8th February 2020(Level-2)	ANITS-CSE-CSI STUDENT BRANCH CO-ORDINATORS
CSE	Workshop on "AI INTEGRATED WITH IOT"	250	24th and 25th February 2020	Mr.Dinesh Kumar Hirawat, CEO of HMI Engineering services.
CSE	CSI PROJECT BETA TESTING CONTEST	45	29TH February 2020	ANITS-CSE-CSI STUDENT BRANCH CO-ORDINATORS
CSE	Guest Lecture on "How not to be Rejected by companies, Interview Preparations"	200	6th March 2020	Dr. Duvvada Ram Prasad, General Manager(Projects),RINL,Vizag Steel Plant
CSE	Guest Lecture on "IT Companies-Recruitment Strategies-Success In life "	200	7th March 2020	Madhu Babu Beessetti, Lead-Global Delivery and Solutions-SAP-Concur EAS SAP-Intelligent Spend Management(ISM) Sub Practice Tata Consultancy Services Limited.

CSE	“ARTIFICIAL NEURAL NETWORKS, RECENT TRENDS, AND CHALLENGES TOWARDS MAKING SMART LIVING”.	64	13th March 2020	G.Jagadish, Asst Prof, ANITS G Pranitha, Asst Prof, ANITS.
CSE	ONLINE TRAINING CLASSES	90	2 WEEKS TRAINING PROGRAM PHASE 1 21-05-2020 28-05-2020	Mr. Surya Teja(316126510041), Suvarna Raju Chevati(316126510008), 4/4 CSE-A,ANITS
Chemical Engg.	MATLAB for Engineers	100	27-28, December 2019	Prof. Padmashree Dept of Chemical Engineering, Andhra University/Dr. Ch. Anil/ Dr. M. Shiva Naresh/ Mr. M. Koteswara Rao/ Mr. B. Pradeep Santosh Kumar
Chemistry	orientation program on DAE activities and the future endeavour - opportunities and process of recruitment	415	28-11-2019	Sri. Y.S. Raju, Scintific Officer G Nuclear li'uel Complex (NFC) Hyderabad
MECH	Conducted a three day national workshop on "Raspberry Pi for advanced robotics" in collaboration with AICRA	99	25/7/2019 to 27/7/2019	Mr.Sumit chatterjee, Reserch Engineer
MECH	One week workshop organized on PROBLEM SOLVING SKILLS USING PYTHON BY collabration wth APSSDC by CH.Ramesh etc	277	23--12-2019 to 28-12-2019	1) Mr. CH.Ramesh 2) Mr.M.Ramu 3) N.Ravi kumar 4) T.Ravikishore 5) N.V.Suryanarayana 6) Srikanaya 7) K.Chaitanya
MECH	A two day National seminar on ADVANCED JOINING TECHNIQUES OF DISSIMILAR MATERIALS FOR ENGINEERING APPLICATIONS sponsored by SERB	60	03 - 01-2020 to 04-01-2020	1.Prof.N.Ramanaiah, AU. 2.Prof. p. pavan kumar, BITSPILANI-HYD, 3.Dr. CH. Ramdas, Scientist - F,DRDO,Pune, 4. Prof. S. Madhusudan, URCE. 5.Dr.K.S.N.Suman, AU. 6. Prof.B.Nagaraju, ANITS.

MECH	A two day National level workshop on DESIGN OF FORMULA 1 RACE CAR	150	19th february 2020	1.Vinay kumar, CRO, AMZ Automotive industry 2. M. Srinivasan, Vehicle dynamics engineer, AMZ
MECH	Air Standard Cycles & Its Applications	200	05-07-2019	Sri. Devender singh Negi, Managing Director of Engineers Hub
MECH	Industry 4.0 – The Fourth Industrial Revolution & Entrepreneurship Boot Camp	240	28-08-2019	Mr.Satya srinivas, Project manager, Strategic Business Development
MECH	Stress management	180	28-08-2019	Brahma kumari Sister Madhuri
MECH	Roll of Mechanical Engineers in industry perspective & Career Opportunities	150	14-09-2019	Mr. Chirenjeevi, HPCL Vishakapatnam & Mr. Sodhan Gupta DRDL Hyderabad (Alumni of Mechanical Engineering , ANITS)
MECH	SCOPE OF ENGINEERS IN THE FIELD OF MANAGEMENT	190	20-09-2019	Mohamed Abdullah, CEO, Conduira Education & Training services
MECH	CAREER OPPORTUNITIES FOR MECHANICAL ENGINEERS - MANAGEMENT COURSES	240	14-10-2019	K.Aravind from ICFAI Business school
MECH	MIND MANAGEMENT	40	23-11-2019	Sri Swamy Anantananda, Chinmanya Mission
MECH	DAE ACTIVITIES AND THE FUTURE ENDEAVOUR – OPPORTUNITIES & PROCESS OF RECRUITMENT	250	28-02-2019	Y.Sanyasi Raju, Scientific officer, Nuclear fuel complex, Hyderabad
MECH	Process of NBA accreditation	40	21-12-2019	Prof. O. G. Kakde Director IIIT Nagapur
MECH	OVERSEAS OPPORTUNITIES FOR MECHANICAL ENGINEERS	200	28-01-2020	Mr.Prathysh kumar, manager, Texas review

MECH	CAREER GUIDANCE & COUNSELING – THROUGH HIGHER EDUCATION	150	03-02-2020	Mr.Senthil Nathan,,IDP EDU INDIA PVT LTD
MECH	OVERSEAS STUDY & CAREER OPPORTUNITIES	180	04-02-2020	Inthiyaz Bannuru,Team Leader,AECC Global. Head of the Operations- AP & Telangana
MECH	Industry Needs & Roll of Mechanical Engineers	180	22-02-2020	Mr. Donapudi Mahesh, Manager , Extra Marks (Alumni of Mechanical Engineering , ANITS)
MECH	CAREER GUIDANCE & JOB OPPORTUNITIES – CORE EMPLOYBILITY SKILLS	180	26-02-2020	Bharath Gujavarthy,EDIFY VISHAKAPATNAM
IT	FDP on "Artificial Intelligence" in association with BRAIN O VISION and National Youth Council	972	22-05-2020 to 26-05-2020	Mr. Mehdi,Dr. S.S Mantha, Mr. Sri Ganesh, BRAIN O VISION
IT	Webinar on " "Startup- An ecosystem of Innovation,Transformation,Employment and Empowerment"	50	21-05-2020	Mr. Rajaram Venkataramanan ,CEO,Veltech TBI. Chennai
IT	Workshop on SalesForce	250	04-03-2020	Sri Ramaseshu Pallavajjulla,Software Development Group Leader, IBM Banglore
IT	Seminar on ""CAMPUS CONNECT – ENHANCING INDUSTRY RELEVANCE AND LEADING THE TECHNOLOGY CHANGE""	21	24-01-2020	Sri K.Rajeswar Rao ,CEO coach,Member of board of advisory-Datawise ,Banglore
IT	Seminar on the topic "4th INDUSTRIAL REVOLUTION- Tech Trends 2019-20"	200	24.1.2020	Sri K.Rajeswar Rao ,CEO coach,Member of board of advisory-Datawise ,Banglore
IT	Seminar on the topic "EMERGING TECHNOLOGIES – Being an Industry	200	16.11.2019	Sri.T.Jignesh,Co-founder&CEO,Perspect AI,Hyderabad

ECE	Ready Graduate” A Three Day National Level Online Faculty Development Program on "Image Processing and Computer Vision (IPCV)"	228	29th to 31st May 2020	Dr. Karthik Seemakurthy, Research Scientist, Tata Consultancy Services, Bangalore
ECE	A Five Day National Level Online Faculty Development Program on “Opportunities and Challenges in Next-Generation Semiconductor Devices"	522	16th to 20th June, 2020	1. Dr. Kumar Prasannajit Pradhan 2. Dr. Ajayan John 3. Dr. P.Murugapandiyan 4. Dr. V.N.Ramakrishnan 5. Dr. Arathy Varghese
ECE	A webinar on “Google Classroom for professional Learning”	33	6th June 2020	Mr. D. Anil Prasad & Dr. J. Bhaskara Rao Asst. Pof. Dept. of ECE, ANITS
ECE	Two days online Workshop on “EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)”	128	29.05.2020 & 30.05.2020	Mr.N.Ramkumar,Assistant Professor/ECE, ANITS
ECE	Business Combat	188	17th, 18th and 22nd FEB 2020	1. Mr. Madhav Reddy [“Bharat Shiromani Awardee 2018” (For excellence in Entrepreneurship) Leadership Coach, Motivational Speaker & Corporate Trainer Startup Mentor & Curator Certified Lean Six Sigma Black Belt.], 2. Mr.Gangadhar Chowdary T [CEO, Managing Director, Pivotalsoft IT Services P. LTD] and 3.Mr.Sridhar Kambala [Technical Program Manager at Evolutyz Corp].
ECE	a Three-day workshop on “Antenna Modelling Using High Frequency Structure Simulator (HFSS)”	60	26th-28th December 2019	Mr. R. Sashi Kumar, Application Engineer, from Entuple Technologies Pvt. Ltd, Bangalore.
ECE	One week hands on training on “Problem solving skills using Python”	197	20.01.2020 to 25.01.2020	K.Chaitanya, T.Ravi Kishore,N.Surya Narayana, M.Naga SatyaNarayana, Suresh Karanam, T.Srikanya (Trainers from AP State Skill Development Corporation (APSSDC))Vijayawada

ECE	One week hands on training on “Data Structures using Python and DBMS”	161	10.02.2020 to 15.02.2020	N.Anirudh, T.Navya, Lakshmi Narayana (Trainers’ from Talentio Solutions, Hyderabad)
FCE	aTwo day workshop on “Internet of Things (IOT) using Arduinoand NodeMCU”	163	14th&15thFEB 2020	Bapuji K (Appleton Innovations (OPC) Pvt.,Ltd, Visakhapatnam)
ECE	Two days workshop on “Automation anywhere”	150	29.11.2019 to 30.11.2019	P.Praveen, Prashanth and Swarup (Trainers from FACE Academy)

3. PAPER PUBLICATION

Publishing a research paper is a form of acknowledging the work one has done in his/her domain. It is a way of presenting one’s own work and one’s contribution into a larger context. It guarantees that he/she has an experience, exposure, expertise, and views recognized in the field of research. This makes scientific researchers and practitioners with similar interests aware of new knowledge in their field and it helps to advance knowledge and its application. Having a robust body of published works helps professionals advance his /her career as he/she is considered for academic appointments and promotions.

Sno	Name of the department	No of papers published
1	Electronics & Communication Engineering	77
2	Information Technology	25
3	Computer Science	68
4	Chemical Engineering	5
5	Civil Engineering	8
6	Mechanical Engineering	58
7	Electrical & Electronics Engineering	27
8	Chemistry	2
9	English and Humanities	4
10	Physics	3

4. MOU’s

A memorandum of understanding (MoU) is a document that describes the general principles of an agreement between two or more parties. Its goal is to achieve a mutual understanding of the partnership, so one can move forward into an enforceable contract everyone feels confident about. It clearly expresses the agreed upon roles and responsibilities each organization or agency will be providing to ensure the institute’s success. The roles and responsibilities should align with the institution goals, objectives and target outputs. It also illustrates the resources each partner would contribute to the Institute. This can be contributing staff time, making in-kind contributions, delivering services, offering training or expertise, etc.

Organisati on with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Durati on	List the actual activities under each MOU year wise	Number of students/teachers participated under MoUs
Aaharya Technologies, Eluru	Aaharya Technologies, Eluru	2019-20	3 years	Students projects, guest lectures, training etc.	100
Veedhantha Bio-Tech	Veedhantha Bio-Tech, Visakhapatnam-531034	2019-20	3years	Students projects, guest lectures, training etc.	5 students
National Research Development Corporation	National Research Development Corporation, New Delhi	2019-20	5 Years	Dr. Bijay Kumar Sahu, Head , IPFC &TISC, delivered a talk on "Awareness to Intellectual Property Rights"	100 Faculty

5. PLACEMENTS

Placements (Campus Placements) refers to a process conducted within universities and other educational institutions to provide jobs to students when they are in the final year of their studies. In this process, the educational institutions partner with corporations and MNCs who wish to recruit from the student population. The Placement process plays a foremost role in shaping up the career objectives of the students. It is the dream of every undergraduate student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is observed that training is important for undergraduate students to develop their employability skills and achieve good placement in several industries and MNCs around the world. Therefore, Placements give students the opportunity for improvement of skills explicit to their subject or industry of choice as well as the employability skills required for real work. It also expands their knowledge of an industry or sector, which helps them to make better well-versed decisions about future career choices.

S.No	Name of company	No.of of students						
		ECE	CSE	EEE	CHEM	MECH	IT	CIVIL
1	A-1 FENCE			2		1		
2	Amazon		4				3	
3	Apps Associates	2	5					
4	Aptroid	1						
5	Asahi					2		
6	Cape electric	1		4				
7	capegemini			2				
8	cognizant	33	23	8		13	13	
9	cognizant CTRL		1					
10	CTRL	2	1					
11	Deccan fine Chemicals				2			
12	Deccan Fine Chemicals / Divi's Laboratories Ltd.				3			
13	Divi's Laboratories Ltd. / Deccan Fine Chemicals				3			
14	Divi's Laboratories Ltd.				20			
15	DXC Technology	2		1				
16	Efftronics	4	2					
17	ENH iSecure	2						
18	Extramarks	2	1		1	1	1	

19	FACE	1	2			1		2
20	Full Creative		1					
21	GGK Tech	2	1	1				
22	HCL	2	2					
23	Iiyundai Mobis	2	2			1		
24	IBM	3	3				2	
25	IBM Efftronics		1					
26	IBM Tech							1
27	Infosys ltd	26	33	24	6	25	15	8
28	Infy TQ		18				4	
29	Infy TQ SE		2					
30	Infy TQ SES		4					
31	Jytra Technology Solutions Pvt. Ltd							3
32	Lincoln						1	
33	Lincoln Tech		2					
34	MAQ Software		1					
35	Medha					1		
36	Mindtree		1					
37	Morling Global	1		1			1	
38	Musigma		10				7	
39	NCR		1				1	
40	Nine Leaps	3	2				2	
41	Nueve Solutions		1					
42	opentext		1					
43	Pinion						1	

44	SLK Software	1	2				1	
45	Sunera Tech						1	
46	TCS	13	8	7		11	7	
47	TCS Codevita		1				1	
48	TCS Ninja		1					
49	TechMahindra						2	
50	Techolution		1					
51	Torreacid India Pvt Ltd				1			
52	Value Labs	3					1	
53	Virtusa	4	3				3	
54	Winware Technilogie India	1	1					
55	Wipro	6					1	
	TOTAL	117	142	50	36	56	68	14

6. COMPETITIVE EXAMS

Competitive exams are central exams where millions of students and individuals appear for the exam every year. Various Competitive exams are conducted in India for various fields like engineering, medicine and law which are intended for recruiting the best candidates for a right job in the public sector. For instance, Civil service exam, GATE, GRE, CSIR NET etc. Such exams are highly competitive and require time and effort to qualify. Many of our Faculty and students qualified in those exams in various fields and got selected for public sector jobs and got admissions in many prestigious foreign universities.

Sno	Type of exam	Count
1	GATE	37
2	CAT	1
3	GRE	1
4	IELTS	4
5	State government examinations	8
6	Other	3

examinations conducted by the State / Central Government Agencies (Specify)

7. EXTRA CIRCULAR ACTIVITIES

Co-curricular activities are those that are carried out along with the academic subjects which may include – Physical education, Music, Speech and Drama, Dance, Gym, Yoga. In most Institutions, these activities are mandatory and follow a set curriculum. On the other hand, extra-curricular activities are those which may be conducted before or after College hours and are optional for students to join them. Activities such as Coding, Martial arts, debate clubs, swimming, Musical instruments, outdoor sports like Cricket, Football etc. are offered by most of the Institutions. Students are free to choose these activities as per their interest or skills to further enhance their learning in that particular art or subject. Students actively participate in these extra curricular activities and win many prizes.

Year	Name of the award/ medal	Team / Individual	inter-university / state / National/ International	Name of the event	Name of the student
2019-20	1st Prize	Team	State Level	Basket ball Tournament	K.Purnesh V.Srinivasa rao
2019-20	2nd Prize	Team	NATIONAL	Sakshi Cricket Tournament	K.Srikar Daniel P.Gowtham
2019-20	2n Prize	Individual	State	IIAM VIZAG-Evoke 2020	G. Pavan Teja
2019-20	1st prize	Individual	inter-university	AU Inter College Table tennis Champion Ship	G. Pavan Teja
2019-20	Winners	Team	inter-university	Gayatri vidya parishad inercollegiate sports and games 2019-2020 (Basketball Tournament)	DASARI SAIRAM
2019-20	3rd Place	Individual	inter-university	Andhra University inercollegiate sports and games 2019-2020 (KHO-KHO)	RONGALI KUMAR
2019-20	3rd Place	Individual	inter-university	Andhra University inercollegiate sports and games 2019-2020 (Table Tennis)	MAJJI VYSHNAVI

2019-20	Won people choice award at Step Cone GOKART Championship held at GMRIT.	Team	International Level Event	Step Cone GOKART Championship held at GMRIT.	25 Students participated as a Team
2019-20	3rd Place	Individual	All India-Inter University, tournament held at ITM University Gwalior (Inter State level Competition)	All India Inter University, tournament held at ITM University Gwalior (Inter State level Competition)	Chandana Landa
2019-20	1. Women Empowerment Award and 2. Peoples Choice Award at Asian E-Bike Challenge 2019 Imagine to Innovate organised at Raghu Educational Institutions, Visakhapatnam	Team	International Level Event	Asian E-Bike Challenge 2019 Imagine to Innovate organised at Raghu Educational Institutions, Visakhapatnam	24 Students participated as a Team
2019-20	3rd place	Team	University Level	Andhra University INTER COLLEGIATE GAMES AND SPORTS COMPETITION held at A M A L college, Anakapalli- KHO - KHO	A Tirumulu
2019-20	3rd place	Team	Inter University, State level	South Zone inter university tournament held at GITAM University (Inter university)-lawn tennis	Ms. Landa Chandana
2019-20	Gold Medal	Individual	State Level	31 Andhra Pradesh inter district Roller skating championship cum selection trials (Road 100 mtrs Skating)	Mr. V. Kalyan
2019-20	Gold Medal	Individual	State Level	31 Andhra Pradesh inter district Roller skating championship cum selection trials (Road 500 mtrs Skating)	Mr. V. Kalyan
2019-20	Silver	Individual	State Level	31 Andhra Pradesh inter district	Mr. V.

	Medal			Roller skating championship cum selection trials (Rink III skating)	Kalyan
2019-20	3rd Place	Team	State Level	Andhra Pradesh inter district and state Table Tennis championship-2019	Mr. G. Pavan Teja
2019-20	Bronze Medal	Individual	State Level	31 Andhra Pradesh inter district Roller skating championship cum selection trials (Rink V Skating)	Mr. V. Kalyan
2019-20	Silver Medal	Individual	State Level	XX Andhra Pradesh state shooting championship-2019(10 Mtrs Air Pistol shooting)	Ms. S. Vyshnavi
2019-20	Silver Medal	Individual	State Level	XX Andhra Pradesh state shooting championship-2019 (10 Mtrs Air Pistol shooting)	Ms. S. Vyshnavi

8. FDPs ORGANIZED

The main idea behind Faculty Development Programmes (FDPs) across the world is “upskill”. The curricula of various programmes at many universities are updated to keep pace with the changing demands of the industry. Students also join the courses with expectations of learning the latest curriculum. While younger faculty who have graduated more recently may be better skilled, the experienced ones are the backbone of the teaching-learning environment and academic administration at the universities/Institutions. Hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations. There are many ways for faculty to upskill themselves: attending conferences and training programmes, getting involved in research projects, earning online certification through various MOOC portals and through relevant FDPs. Well-planned and curated FDPs are an investment in human resources, and ultimately result in enhanced teaching and learning experience.

S.No	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	No. of participants
1	26-08-2019 to 31-08-2019	AICTE-STTP on ‘Restructured Power System Modelling & Simulation’	40
2	27-12-2019 to 28-12-2019	MATLAB for Engineers	3
3	14-12-2019	Workshop on Professional Ethics	28
4	11-06-2019 to 24-06-2019	AICTE- Two Week FDP on “Engineering Challenges For Making Digital India: Internet Of Things & Applications”	36
5	26-12-2019 to 28-12-2019	Three Day Workshop on Antenna Design Using High-Frequency Structure Simulator (HFSS)	95
6	28-05-2020 to 01-06-2020	FDP on Cyber Security	30

7	22-05-2020 to 26-05-2020	FDP on "Artificial Intelligence" in association with BRAIN O VISION and National Youth Council	25
8	29-05-2020 to 31-05-2020	A Five Day National Level Online FDP on Image Processing and Computer Vision	228
9	29-05-2020 to 30-05-2020	EMBEDDED SYSTEM DESIGN on 8-bit MICROCONTROLLER USING KEIL (IDE)	128
10	08-06-2020 to 12-06-2020	A Five Day National Level Online FDP on Skill Development for Effective Research and Teaching-Learning Process	1292
11	16-06-2020 to 20-06-2020	A Five Day National Level Online FDP on Opportunities and Challenges in Next Generation Semiconductor Devices	522
12	06-06-2020	Google Classroom for Professional Learning	33
13	03-02-2020	Interactive session with Dr. K.C.B Rao	33
14	03 - 01-2020 to 04-01-2020	A two day National seminar on ADVANCED JOINING TECHNIQUES OF DISSIMILAR MATERIALS FOR ENGINEERING APPLICATIONS sponsored by SERB	30

9. FACULTY FDP PARTICIPATION:

S.No	Name of the Department	Faculty Participation
1.	Mechanical	23
2.	ECE	31
3.	Civil	07
4.	Chemistry	10
5.	CSE	28
6.	Chemical	10
7.	Mathematics	10

8.	IT	20
9.	Physics	09
10.	English	14
11.	EEE	25
Total		179

R. Sankarath.

Convener, IQAC

Convener, IQAC
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.

[Signature]
Principal

Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (Autonomous)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa - 531 162, Bheemunipatnam (Mandal), Visakhapatnam (District)

Phones : 08933 - 225083, 225084, 9154220250.

Website : www.anits.edu.in

e-mail : principal@anits.edu.in

ANNUAL REPORT

Academic Year 2018-2019



Annual report is a comprehensive official document delineating the Institution's activities throughout the preceding year. The report provides a significant amount of information for its readers, NAAC, NBA, Department Higher of Education, stakeholders, potential investors who will be able to get a good overview of the Institution. The report contains information, such as a letter from the Institution's head, performance highlights of the preceding years (courses, curricula, syllabus, admissions, results, and placements), financial information (financial statements), and objectives and goals for future years.

Journey of ANITS

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES (ANITS) was founded by Anil Neerukonda Educational Society (ANES) in the fond memory of Anil Neerukonda, son of Dr. B R Prasad Neerukonda. Its humble journey started in 2001 with an intake of 220 students into four undergraduate B.Tech programmes. Within a few years of its establishment, the institute registered phenomenal growth and is accredited by NBA(IT, CSE, EEE, ECE, Mech, Chemical and CIVIL), and by NAAC. It is permanently affiliated to Andhra University and has achieved autonomous status in 2015. Further, the institute has been currently ranked as one of the best among the private engineering colleges in Andhra Pradesh. It has been recognised as "Centre for Excellence " by Infosys and is accorded by Andhra University as "Centre for Research". Today, the institute offers nine B.Tech. Programmes and six M.Tech. Programmes with an annual total intake of about 1060 students. The institute offers amenities like separate hostels for boys and girls, indoor and outdoor games, transport covering all the major locations of Visakhapatnam and medical aid provided by The NRI Institute of Medical Sciences which is a sister concern of ANITS provides 24x7 medical assistance to students, staff and hostel inmates. Apart from the Modern laboratories, well established teaching methodology and implementation of the best practices, the wonderful coordination of the management, Faculty and Parents has so far played a crucial role in shaping the future of the ANITIANS and has been the amulet of the Institute's phenomenal growth. The success stories of our champions at several qualifying exams for the higher studies like GRE, TOEFL, CAT, the impressive track record of the placements with highest known packages in MNCs like Google, Amazon, Infosys, TCS and so on are the sweetest fruits of our efforts. PRAGNANAM BRAHMA, the motto of ANITS, is truly practiced by all the members of ANITS family, a direct effort to serve the society, nation and mankind as well.

Value Added Courses

Value added courses serve a variety of purposes for different students they bridge the gap in different phases of academic study. Sometimes they are used to provide additional professional

training and qualifications. They also make students better prepared to meet industry demands as well as develop their own interests and aptitudes. ANITS offers a wide range of Value added courses which are conducted after class hours or during semester breaks. These courses are conducted by professionals and subject experts and help students stand apart from the rest in the job market by adding further value to their resume.

S.No	Name of the value added courses (with 30 or more contact hours) offered	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
1.	Infosys company specific training	1	10-9-2018 to 15-9-2018	1015	943
2.	TCS company specific training	1	27-08-2018 to 01-09-2018	1015	915
3.	Hands on training session on Matlab tool	1	25-7-2018 to 28-07-2018	51	51
4.	CCC Phase I	1	From 29th April to 4th May 2019	156	156
5.	Workshop on "Foundations and practise of GIS"	1	19-11-2018 to 22-11-2018	66	66
6.	Foreign languages (Japanese, German, French, Chinese)	1	1 Semester	69	69
7.	1: Programming fundamentals followed by project-1 (word scrambling)	1	45 hours(Teaching+self learning mode)	180	91
8.	2: Database fundamentals followed by project-2 (Insta DB)	1	41 Hours(Teaching+self learning mode)	180	91
9.	3: Python DB integration followed by project-3 (InstaDB integration)	1	8.5 Hours(Teaching+self learning mode)	180	91
10.	4: OOP using Python followed by project-4 (Bank accounts)	1	18.5 Hours(Teaching+self learning mode)	180	91
11.	5: Advanced database concepts followed by project-5 (Bank accounts analysis)	1	41 Hours(Teaching+self learning mode)	180	91
12.	Google android developer fundamentals workshop	1	17-09-2018 to 24-9-2018	42	42

	by ANITS & APSSDC				
13.	Ethical hacking and cyber security workshop by Spyry technologies	1	07-02-2019 to 09-02-2019	261	261
14.	Design and development of e-mobility vehicle	1	23-08-2018 to 25-12-2018 (3 days)	153	153
15.	Problem solving skills using 'C'	1	24-12-2018 to 30-12-2018 (One Week)	171	171
16.	Autocad and catia designer	1	29-04-2019 to 07-05-2019 (9 Days)	170	170

Placements

Placements (Campus Placements) refers to a process conducted within universities and other educational institutions to provide jobs to students when they are in the final year of their studies. In this process, the educational institutions partner with corporations and MNCs who wish to recruit from the student population. The Placement process plays a foremost role in shaping up the career objectives of the students. It is the dream of every undergraduate student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is observed that training is important for undergraduate students to develop their employability skills and achieve good placement in several industries and MNCs around the world. Therefore, Placements give students the opportunity for improvement of skills explicit to their subject or industry of choice as well as the employability skills required for real work. It also expands their knowledge of an industry or sector, which helps them to make better well-versed decisions about future career choices.

S.No	Name of the Departments	No. of Placements
1.	Electronics & Communication Engineering (B.Tech)	110
2.	Information Technology (B.Tech)	57
3.	Computer Science (B.Tech)	124
4.	Civil Engineering (B.Tech)	05
5.	Electrical & Electronics Engineering (B.Tech)	47
6.	Mechanical Engineering (B.Tech)	59
7.	Chemical Engineering (B.Tech)	29

8.	Electrical & Electronics Engineering (M.Tech)	02
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Extra Curricular Activities

Co-curricular activities are those that are carried out along with the academic subjects which may include – Physical education, Music, Speech and Drama, Dance, Gym, Yoga. In most Institutions, these activities are mandatory and follow a set curriculum. On the other hand, extra-curricular activities are those which may be conducted before or after College hours and are optional for students to join them. Activities such as Coding, Martial arts, debate clubs, swimming, Musical instruments, outdoor sports like Cricket, Football etc. are offered by most of the Institutions. Students are free to choose these activities as per their interest or skills to further enhance their learning in that particular art or subject. Students actively participate in these extra curricular activities and win many prizes.

S.No	Level of Event	Gold	Silver	Bronze	First	Second	Third	Others
1.	International							01
2.	State	03	02	03	04		02	01
3.	Inter University				02	05	07	

Competitive Exams

Competitive exams are central exams where millions of students and individuals appear for the exam every year. Various Competitive exams are conducted in India for various fields like engineering, medicine and law which are intended for recruiting the best candidates for a right job in the public sector. For instance, Civil service exam, GATE, GRE, CSIR NET etc. Such exams are highly competitive and require time and effort to qualify. Many of our Faculty and students qualified in those exams in various fields and got selected for public sector jobs and got admissions in many prestigious foreign universities.

S.No	Type of Exam	No.of Students Qualified
1.	GATE	49
2.	GMAT	01
3.	CAT	12
4.	GRE	09
5.	JAM	01
6.	IELTS	28

7.	TOEFL	01
8.	State Government Examinations	09

Paper Publications

Publishing a research paper is a form of acknowledging the work one has done in his/her domain. It is a way of presenting one's own work and one's contribution into a larger context. It guarantees that he/she has an experience, exposure, expertise, and views recognized in the field of research. This makes scientific researchers and practitioners with similar interests aware of new knowledge in their field and it helps to advance knowledge and its application. Having a robust body of published works helps professionals advance his /her career as he/she is considered for academic appointments and promotions.

S.No.	Name of the Department	No.of Papers published
1.	Electronics & Communication Engineering	68
2.	Information Technology	14
3.	Computer Science	39
4.	Chemical Engineering	04
5.	Civil Engineering	14
6.	Mechanical Engineering	47
7.	Electrical & Electronics Engineering	33
8.	Basic Sciences & Humanities	38

Mou's

A memorandum of understanding (MoU) is a document that describes the general principles of an agreement between two or more parties. Its goal is to achieve a mutual understanding of the partnership, so one can move forward into an enforceable contract everyone feels confident about. It clearly expresses the agreed upon roles and responsibilities each organization or agency will be providing to ensure the institute's success. The roles and responsibilities should align with the institution's goals, objectives and target outputs. It also illustrates the resources each partner would contribute to the Institute. This can be contributing staff time, making in-kind contributions, delivering services, offering training or expertise, etc.

S.No	Organisation with which MoU is signed	Name of the institution / industry/ corporate house	Duration
1.	M/S Infosys Limited	M/S Infosys Limited	2 years
2.	Alphappleton Innovation (OPC) Pvt Ltd	Alphappleton Innovation (OPC) Pvt Ltd	Life time
3.	Zunik technologies private limited	I-2, TIDES Business Incubator,IIT Roorkee.	5 Years
4.	APSSDC	APSSDC	--

Workshops and Seminars

Workshops and Seminars play a vital role to bridge the gap and equip the students of the current generation with new-age technologies in any academic programme. The Seminars and Workshops provide an opportunity for a group of students to discuss and analyze a range of new material, ideas and concepts together with the tutor by ensuring a proper flow of knowledge. They are an innovative and welcome step towards modern education.

In this way, it is not only academic understanding that you will gain but also a chance to develop a wide range of personal and key skills. These may include how best to communicate and present one's views and build one's confidence when speaking in front of a wide variety of audience. The purpose of a seminar may include:

- Providing an opportunity to explore a topic in depth
- Surveying and critically evaluating different viewpoints
- Developing a wide range of communication and study skills
- Building confidence
- Easing communication between students and tutors.

1. A Workshop on "Foundations and Practices of GIS" was organized by Department of Civil Engineering on 19th, 20th&22nd November, 2018.
2. A Guest lecture on "Geotechnical Solutions for Infrastructure Development" was organized by Department of Civil Engineering on 29-12-2018.

3. A Training "CodeSH" was organized by Department of Computer Science Engineering on 25th July 2018 (weekly event-every Saturday).
4. A "Mock parliament" was organized by Department of Computer Science Engineering on 17th August 2018.
5. A Guest Lecture on "Real world applications of virtual and augmented reality" was organized by Department of Computer Science Engineering on 10th September 2018..
6. A workshop on "Cyber Security" was organized by Department of Computer Science Engineering on 7th and 8th February 2019.
7. A Seminar on "ENTERSPHERE INITIATIVE" was organized by Department of Computer Science Engineering on 25th February 2019.
8. A Workshop on "Process Flow and Instrumentation Diagrams– An Industrial Perspective" was organized by Department of Chemical Engg. on 21st-22nd December, 2018.
9. A Guest lecture on "Role of Chemical Engineers in Industries" was organized by Department of Chemistry on 28-09-2018.
10. A AICTE- ISTE Sponsored one week induction program "Advances In Hybrid Polymer Composite Engineering And Applications" was organized by Department of Mechanical Engineering on 11/6/2018 to 16/6/2018.
11. A nine day workshop on "Auto cad & Catia designer" was organized by Department of Mechanical Engineering on 29/4/2019 to 7/5/2019.
12. A one day workshop on "Innovation and technological Entrepreneurship" was organized by Department of Mechanical Engineering on 26-02-2019.
13. A one week workshop on "Problem Solving Skills using C with Ap state skill development corporation" was organized by Department of Mechanical Engineering on 24/12/2019 to 30/12/2019.
14. A three day National workshop on "DESIGN AND DEVELOPMENT OF E-MOBILITY VEHICLE" was organized by Department of Mechanical Engineering on 23rd -25th August, 2018.
15. A Guest Lecture on "Applications of Design software in Manufacturing industry" was organized by Department of Mechanical Engineering on 20-06-2018.
16. A Guest Lecture on "Career Oppurtunities for Mechanical Engineers" was organized by Department of Mechanical Engineering on 16-07-2018.
17. A Guest Lecture on "Career Guidance and planning through CEMS (Centre of excellence in maritime & ship building)" was organized by Department of Mechanical Engineering on 09-08-2018.
18. A Guest Lecture on "Refrigeration & Air conditioning unit- Industry Prospective" was organized by Department of Mechanical Engineering on 13-08-2018.
19. A Guest Lecture on "Advanced Finite Element Analysis" was organized by Department of Mechanical Engineering on 20-08-2018.

20. A Guest Lecture on "Industrial applications of centrifugal pumps in R&AC Division" was organized by Department of Mechanical Engineering on 11-01-2018.
21. A Guest Lecture on "Career Opportunities for Mechanical Engineering-Overseas" was organized by Department of Mechanical Engineering on 22-01-2019.
22. A Guest Lecture on "Technology & Industrial Needs:- Indian Perspective" was organized by Department of Mechanical Engineering on 13-02-2019.
23. A Guest Lecture on "Overseas Opportunities for Mechanical Engineers" was organized by Department of Mechanical Engineering on 18-02-2019.
24. A Guest Lecture on "Academic & Industry Gaps - Remedial measures" was organized by Department of Mechanical Engineering on 19-02-2019.
25. A Guest Lecture on "Basics of thermal & Fluid sciences" was organized by Department of Mechanical Engineering on 20-02-2019.
26. A Guest Lecture on "Personality Development & Soft Skills" was organized by Department of Mechanical Engineering on 21-02-2019.
27. A TWO WEEK FACULTY DEVELOPMENT PROGRAMME ON "ENGINEERING CHALLENGES FOR MAKING DIGITAL INDIA: INTERNET OF THINGS & APPLICATIONS" was organized by Department of Electronics and Communication Engineering on 11th-24th June, 2019.
28. A workshop on "Business Combat" was organized by Department of Electronics and Communication Engineering on 17th February, 2019.
29. A Three days workshop on "Internet of Things using Arduino" was organized by Department of Electronics and Communication Engineering on 07.02.2019 to 09.02.2019.
30. A Three week workshop on "Computational Thinking and Problem solving Skills using C" was organized by Department of Electronics and Communication Engineering on 3rd to 22nd December 2018.
31. A Three day workshop on "NI Lab View and Its Applications" was organized by Department of Electronics and Communication Engineering on 11th, 12th & 14th September 2018.
32. A Guest Lecture on "Data Integration using XSLT" was organized by Department of Information Technology on 10-08-2018.

FDPs Organised

The main idea behind Faculty Development Programmes (FDPs) across the world is "upskill". The curricula of various programmes at many universities are updated to keep pace with the changing demands of the industry. Students also join the courses with expectations of learning the latest curriculum. While younger faculty who have graduated more recently may be better skilled, the experienced ones are the backbone of the teaching-learning environment and academic administration at the universities/Institutions. Hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations.

There are many ways for faculty to upskill themselves: attending conferences and training programmes, getting involved in research projects, earning online certification through various MOOC portals and through relevant FDPs. Well-planned and curated FDPs are an investment in human resources, and ultimately result in enhanced teaching and learning experience.

SNo.	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
1.	Workshop on Research Challenges and innovations in renewable Energy systems		27
2.	Process Flow and Instrumentation Diagrams- An Industrial Perspective		60
3.	FDP on Iot A one day workshop on Geotechnical Solutions for Infrastructure Development		40
4.	A one day workshop on Geotechnical Solutions for Infrastructure Development		02
5.	A three days Workshop on Foundations and Practice of GIS		03
6.	Workshop on Innovation and technological Entrepreneurship		15
7.	AICTE- ISTE Sponsored one week induction program "Advances In Hybrid Polymer Composite Engineering And Applications.		30
8.		Mock-drill-Training for staff on fire-safety	30

Faculty FDP's Participation:

S.No	Name of the Department	Faculty Participation
1.	Mechanical	25
2.	ECE	28
3.	Civil	4
4.	CSE	32
5.	Chemical	8
6.	IT	9
7.	Physics	2
8.	English	5
9.	EEE	10
Total		193

R. Venkath.

Convener, IQAC
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.

ASU
Principal

Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES (Autonomous)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa - 531 162, Bheemunipatnam (Mandal), Visakhapatnam (District)

Phones : 08933 - 225083, 225084, 9154220250.

Website : www.anits.edu.in

e-mail : principal@anits.edu.in

ANNUAL REPORT

Academic Year 2017-2018



Preamble

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3.	Organized Workshops and Seminars
4.	Paper Publications
5.	Research Projects
6.	Placements
7.	Sports
8.	Competitive Exams
9.	FDP Attended by Faculty

1. Value Added Courses

Description: Value added courses serve a variety of purposes for different students: they bridge the gap in different phases of academic study. Sometimes they are used to provide additional professional training and qualifications. They also make students better prepared to meet industry demands as well as develop their own interests and aptitudes. ANITS offers a wide range of Value-added courses which are conducted after class hours or during semester breaks. These courses are conducted by professionals and subject experts and help students stand apart from the rest in the job market by adding further value to their resume.

Usage: The add-on course gives you an insight about the profession you want to pursue and also gives you a chance to change your path if your interest doesn't set in. Universities can introduce add on courses to students so that they can choose subjects of their area of interest.

Name of the value added courses (with 30 or more contact hours) offered	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
SUMMER CRT-TRAINNING	2017-18	1	11-06-2018 TO 16	1015	975
INFOSYS SPECIFIC TRIANING PROGRAMME	2017-18	1	05-09-2017 TO 16-09-2017	741	604
HANDS ON TRAINNING SESSION ON MATLAB TOOL	2017-18	1	10-7-2017 TO 15-07-2017	83	83
Cyber Security	2017-18	1	28-8-17 to 3-9-17 (7 Days)	35	35
Google Kotlin	2017-18	1	4-9-2017 to 9-9-2017(6 Days)	35	35

Foreign languages (Japanese, German, French, Chinese)	2017-18	1	1 Semester	76	76
Computational thinking and problem-solving skills using “C”	2017-18	1	18.12.2018 TO 22.12.2018	204	204
Workshop on APSSDC Embedded systems: Phase-1	2017-18	1	02-01-2018 TO 4-01-2018	114	114
Workshop on APSSDC Embedded systems: Phase-2	2017-18	1	15-02-2018 TO 17-02-2018	119	119
WORKSHOP ON KOTLIN	2017-18	1	Sep-17	10	10

2. MoU:

Description:

This is an association between the Company and the College in presence of officials of both the organization. Will Provide Guest Lectures, Seminars, and Technical Workshops on College Requirement Basis and help in Placement Assistance.

S. No.	Industry/Company	Date of MoU	Scope	Implementation /Action / Activities
1.	Linclon University College, Malaysia Wisma Lincoln, No. 12-18, Jalan SS 6/12, 47301, Petaling Jaya, Selangor, daru Ehsan, Malaysia	02/05/2018	Promoting cooperation academic, education and research	Under process
2.	Novel Intellectual Property Rights Academy HiG-421, Mansita Midhilapuri Layout, PM Palem, Visakhapatnam - 530041	23/04/2018	Training / IPR cell	Research Activities initiated
3.	Andhra Pradesh State Skill Development Corporation 3 rd Floor, Infosight Building, Survey no. 78/2, Near Pathuru Road Junction, NH-16 Service Road, Tadepalli – 522501	03/04/2018	CM Skill Excellence Cell to Train Students	Total 10 Activities organized and around 800 students are participated

3. Workshops and Seminars:

A workshop may introduce a new idea, inspire participants to further explore it on their own, or may illustrate and promote actual process practice. It is a great way to teach hands-on skills as it gives learners an opportunity to try out new methods and fail in a safe environment.

A seminar is a form of academic instruction, either at an academic institution or offered by a commercial or professional organization. It has the function of bringing together small groups for recurring meetings, focusing each time on some particular subject, in which everyone present is requested to participate.

S.No	Department	No. of Events Organized
1.	IT	3
2.	Chemical Engg.	1
3.	Chemistry	1
4.	Civil	4
5.	CSE	10
6.	ECE	9
7.	Mech	12

The Following are **Workshops/Seminars** Organized by various department for Academic Year 2017-2018.

1. A Workshop on "Gateway to R & D Companies" from 03-08-2017 to 05-08-2017, Presented by Mr. Rohini Kumar Barla and Organized by IT Department.
2. A Workshop on "Cyber security & Ethical hacking for students" from 28-08-2017 to 01-09-2017, Presented by Mr. Mahesh Rakheja, CEO, The TechIntern Inc, Nagpur and Organized by IT Department.
3. A workshop on "Kotlin" from 04-09-2017 to 08-09-2017, presented by Mr. Mahesh Rakheja, CEO, the TechIntern Inc, Nagpur and Organized by IT Department.
4. A Two-day Student Training Program on "E-Tabs" from 13-12-2017 to 14-12-2017, Presented by Data Pro Team and Organized by CIVIL Department.
5. A Guest lecture on "Geotechnical Investigation at Shivalik mountain range" on 15-09-2017, Presented by Dr. A. Santha Ram, Senior Mining Geologist, (Retd.) Indian Bureau of Mines and Organized by CIVIL Department.
6. A Workshop on 'Geotechnical Problems and Practises' on 11-10-2017, Presented by Sri A K Mehra Dr. V Venkateswara Rao, Sri Rishi Jaiswal, Prof. C N V Satyanarayana Reddy, Prof B N D Narasinga Rao and Organized by CIVIL Department.

7. A Guest Lecture on "Air Pollution Sources and Control Options" on 24-10-2017. Presented by Ravi Lakshmi Narayana, Environmental Engineer, A.P.Pollution Control Board, Visakhapatnam and Organized by CIVIL Department.
8. A Guest Lecture on "Make it wonderful world" on 16-09-2017, Presented by Team from Make it wonderful world society and Organized by CSE Department.
9. A Hands on Training Session on "Data analytics using R programming" on 21-12-2017. Presented by CSE faculty members Ch.Seshadri rao, Asst Professor, T.Anitha, Asst Professor, G.Gayathri,Asst Professor society and Organized by CSE Department.
10. A Guest Lecture on "Privacy issues in BIG DATA" on 28-12-2017, Presented by Dr Korra Sathya Babu, Assistant Professor, NIT Rourkela and Organized by CSE Department.
11. A workshop on "Robotics" from 09-02-2018 to 10-02-2018, Presented by M. Srikanth, CEO of Academy of Robotics and his team of five members and Organized by CSE Department.
12. A Career Guidance Regarding Higher education (GRE/CAT) from 15-02-2018 to 16-02-2018 Presented by George prep and APEX and Organized by CSE Department.
13. A Seminar on "Web technologies and cyber security" on 16-02-2018 Presented by A.Aditya and Organized by CSE Department.
14. A GUEST LECTURE on "Recent Trends in IT Industry" on 17-02-2018 Presented by Mr.SyamVamsi T, Infosys Hyderabad, and Organized by CSE Department.
15. A Coding contest-Innovex from 19-02-2018 to 20-02-2018 Organized by ANITS-CSE-CSI.
16. A Two-day National Level Technical Fest CURSORS 2K18 from 23-02-2018 to 24-02-2018 Conducted by ANITS-CSE TEAM-CSI.
17. A Seminar on "Information Security" on 29-09-2018, Presented by Lt.Cdr. Rajesh Nayak and Organized by CSE Department.
18. A workshop on "Application of Theory to Process Industry for Engineers" from 08-12-2017 to 09-12-2017, presented by Mr. G. Vijaya Kumar, Head, Process Engineers group. Dr. G. Madhu Kumar, Secretary, Dr. L. Bullayya College and Organized by CHEMICAL Department.
19. A Guest lecture on "Role of Organic chemistry in Chemical Industries" on 21-10-2017, presented by Dr.S. Paul Douglas, Dept. of Engineering Chemistry, AU College of Engineering, Visakhapatnam and Organized by CHEMISTRY Department.
20. An "Application of Non Destructive testing in Engineering Application" from 14-02-2018 to 15-02-2018, presented by Mr.D.V.V.Narendra kumar, Certified person Assistant level grade II NDT Trainer, Hyderabad. And organized by MECH Department.
21. A Workshop on "APPLICATION OF NON DESTRUCTIVE TESTING IN INDUSTRIAL SECTOR" in collaboration with National academy for training and technical services(NATTS)

from 14-02-2018 to 15-02-2018. Presented by Mr.D.V.V.Narendra kumar, NATTS and organized by MECH Department.

22. A Guest lecture on "operation research & I.E" on 11-09-2017. presented by Mr.Amit dixit, Manager, BHEL NOIDA and organized by MECH Department.
23. A Guest lecture on "Role of mechanical engineers in developing India" on 15-09-2017, presented by Dr.B.Vijaya Lakshmi, AGM RINL Visakhapatnam (vizag steel plant) and organized by MECH Department.
24. A Guest lecture on "Opportunities for Engineers" on 04-08-2017, presented by Mr.Surya V V Prasad, Manager from Made Education Pvt.Ltd. and organized by MECH Department.
25. A Guest lecture on "Opportunities for Mechanical Engineers" on 04-07-2017, presented by Mr. Nitin Rakesh Prasad, and organized by MECH Department.
26. A Session on "Power generation through Renewable energy sources" on 27-07-2017, presented by Mr. Pudi Harish, Manager, Sudheer Infrastructure PVT LTD and organized by MECH Department.
27. A Guest lecture on "career Opportunity for Mechanical Engineers" - Industry Perspective on 13-07-2017, presented by Mr.Devandra Singh Negi, Ex-Manager Zindal Steel and organized by MECH Department.
28. A Workshop on "Automatic Explorations-Autotrix" on 15-12-2017, presented by Mr. Harish Dasari.(M&M Zaheerabad, Automotive manufacturing Unit) and organized by MECH Department.
29. A Guest Lecture on "Mechanical Vibration and Energy Harvesting" on 06-04-2017, presented by Prof. Viswanath Alam Raju, Indian Institute of AERONAUTICAL Engineering, Hyderabad and organized by MECH Department.
30. AICTE sponsored National seminar on "MICRO MANUFACTURING" from 24-11-2017 to 25-11-2017. presented by Dr.A.Ratna kumar(IIT Madras), Dr.V.Vasu(NIT Warangal), Manoj kumar(NIT Raipur), DR.A.Srinivasula reddy SVU, Tirupathi, Dr.M.V.Jaganatha Raju(AU, Visakhapatnam and organized by MECH Department.
31. A 2-day workshop on "Refrigeration and Airconditioning" from 22-02-2017 to 23-02-2017,Presented by Dr.Rajesh goush,Assoc Prof, Mr.B.G.Chandra shekar,Asst Prof Mr.Basa nagaraju,Asst Professor and organized by MECH Department.
32. A workshop on "Business Combat" from 26-02-2018, presented by DheerajKota, Kiran Kumar (IIM, Ranchi), Dr. Praveen BabuChoppala (Ph.D, Post Ph.D) and organized by MECH Department.

33. A Two-Day workshop on "Robotics with AI" from 23-02-2018 to 24-02-2018. presented by L. Chandrasekhar & L.Mahesh from L.N.V Technologies and organized by ECE Department.
34. A 1 day workshop on "Applications of MATLAB and Mathematic Magic show" on 20-02-2018. presented by P.Vikram Kumar (Team from APSSDC) and organized by ECE Department.
35. A 3 day workshop on "Embedded Systems (IOT) Advanced Phase-II" from 15-02-2018 to 17-02-2018, presented by Mr. S. Murali Krishna and Mr.B.Nagaraju, Lead Trainers accompanied by Mr.B.Mahidhar and Mr.ShaikZubear from APSSDC and organized by ECE Department.
36. A 3 day workshop on "Embedded Systems (IOT) Advanced Phase-I" from 02-01-2018 to 04-01-2018, presented by Mr. S. Murali Krishna and Mr.B.Nagaraju, Lead Trainers accompanied by Mr.B.Mahidhar and Mr.ShaikZubear from APSSDC and organized by ECE Department.
37. A One Week FDP on "5G Wireless Communications" from 05-01-2018 to 10-01-2018, presented by Prof. Shankar Prakriya, Professor, IIT-Delhi, Dr.G.V.V.Sharma, Asst. Prof., IIT-H, Sri Raghunath M V, Associate Prof., NITW, K L V SaiPrakashSakuru, Associate Prof., NITW, Kodali Ravi Kishore, Associate Prof., NITW, Dr. N V S Narasimha Sharma, NITW, Sri G TrumalaRao, Adjunct Faculty, GVP, D.SrinivasRao, Railtel Corporation of India Ltd., A C Chandra Kumar, Optimus Logic Systems Pvt. Ltd. &A.SrinivasRao, ITS,GeneralManager,BSNL,VSKP and organized by ECE Department.
38. A 1-day faculty development workshop on "Outcomes Based Education" on 23-12-2017, presented by Dr.D.Seshachalam, Prof., ECE, BMS College, Bengaluru and organized by ECE Department.
39. A 1 day workshop on "LabVIEW and its Applications" on 08-10-2017, presented by Mr.Vasanth Kumar V, Sr. Applications Engineer and Mr.Esakki Raja S, Sr. Applications Engineer, VI Solutions, Bangalore and organized by ECE Department.
40. A 1 day workshop on "PCB Design" on 29-07-2017, presented by Mr.AbdulMuqtadir,Matchwell Technology Solutions and organized by ECE Department.

4. Paper Publications:

It is through publication that the research, including its scientific and practical contributions, is disseminated to others in a particular field. This makes scientific researchers and practitioners with similar interests aware of new knowledge in their field and it helps to advance knowledge and its application.

The following are the paper publications details of various branches of our institution for academic year 2017-2018:

S.No	Name of the Department	No.of Paper Published
1	ECE	20
2	CSE	42
3	EEE	20
4	IT	7
5	MECH	16
6	CHEM	4
7	CIVIL	17
8	BASIC SCIENCES	31

5. Research Projects:

Grants received from Government and non-governmental agencies for research projects

S.No	Name of the coordinator	Department	Title of the Project	Funds provided (INR in lakhs)	Duration of the project (Years)
1	Prof.B.N.D.Narasinga Rao	Civil	Wealth from Waste: Fly ash Characterization for its bulk utilization in Geotechnical Engineering Applications	3.1	2
2	Dr. A.A.Vijaya Jyothi	English	Re-examining the dilemmas of Émigré Communities in Indian Society with reference to Novels of Mamang Dai - Esther David - Umakanta Sarma and Allan Sealey	2.14	2

6. Placements:

It (Campus Placements) refers to a process conducted within universities and other educational institutions to provide jobs to students when they are in the final year of their studies. In this process, the educational institutions partner with corporations and MNCs who wish to recruit from the student population. The Placement process plays a foremost role in shaping up the career objectives of the students. It is the dream of every undergraduate student to get placed in a top organization visiting their campus for recruitment. Keeping this key aspect into consideration, it is observed that training is important for undergraduate students to develop their employability skills and achieve good placement in several industries and MNCs around the world. Therefore, Placements give students the opportunity for improvement of skills explicit to their subject or industry of choice as well as the employability skills required for real work. It also expands their knowledge of an industry or sector, which helps them to make better well-versed decisions about future career choices.

The Following table shows the placement details of various departments:

S.No	Name of the Company	No.of Students selected						
		ECE	CSE	EEE	CHEM	MECH	IT	CIVIL
1	ADP		3				4	
2	Aliens Group					1		
3	AMAZON		4	1			1	
4	Aparna Construction							2
5	Apps associates						1	
6	Buildmate						2	
7	Cape Electric	1						
8	Capgemini	5	1					
9	Cyber Power Systems	1		2				
10	Deccan Fine Chemical				3			
11	DXC		1					
12	eZone Security Solutions	1						
13	Hansa Solutions		3					
14	HSBC Software	1	2	1				
15	Huynдай Mobis	1						
16	Ibeon Infotech	3						
17	IIHT	13	1	4			11	
18	Infosys Technologies Ltd.	18	19	8	2	6	6	1
19	James Infinus			1		1		
20	Juspay		1					
21	KPTL							2
22	Krikamit Engg. Pvt. Ltd.							4
23	Lincoln		1					
24	MAQ Software		1					
25	Medha			1		1		
26	Mutual mobile		1					
27	Next Novity	17	5	17				
28	Optum-UnitedHealth Group	2	1					
29	Pragya Technologies	3	2	1		4	3	
30	Riktam Technology Consulting Pvt. Ltd			1				
31	Salesforce						1	
32	SanEngineering and Locomotive Co Ltd.					1		
33	Skypro	1	2	1				
34	Sobha Ltd.							2
35	Suncore Micro Systems	3		1		7		
36	Syntel			2				

37	Value Momentum		1					
38	Tech Aspect		1					
39	VedaIIT	2						
40	VEM Technologies					1		
41	Verizon		3					
42	Vijai Electricals			4				
43	Wipro		1	1				
44	Xampr India PTE		1					
45	Yogshan	1		1				
46	ZOHO		1					
Count		ECE -73	CSE- 56	EEE - 47	CHE- 5	MECH 22	IT- 29	CIVIL- 11

7. Sports:

Name of the award/ medal	Team / Individual	inter-university / state / National/ International	Name of the event	Name of the student
3rd place	Individual	inter-university	Au Inter College & Inter University Championship- Tennis	S.Siva Rama Rohan
1st place	Individual	inter-university	Au Inter College & Inter University Championship- chess	N.Gargeyi
3rd place	Individual	inter-university	Au Inter College & Inter University Championship- chess	M.Kalicharan
Gold Medal	Individual	inter-university	Visakha District Power Lifting Association	S.Pavan Kumar
Silver Medal	Individual	inter-university	Visakha District weight lifting champion ships- Power Lifting	S.Pavan Kumar
1st Prize	Individual	inter-university	visakhapatnam Chess players parents association- open chess tournament-2018	V. S. Preeti

2nd Place	Team	State level	CHAITANYAM event, held at Chaitanya Engineering College, Visakhapatnam	L Venkatesh
1st Prize	Team	State level	VIVAAN , Gaytri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam	T Preetham & S Tarun
2nd prize	Team	State level	Inter College foot ball tournament, Andhra University, Visakhapatnam	T Preetham & Shaik Shahil
Qater Finalist in Greenk , State Tennis Championship 2017	Indiidual	State level	SAAP STATE Tennis Ranking Circuiys	Chandana Landa
Silver Medal	Individual	State Level	29th ndhra Pradesh Roller Skating champion ship-2017- Inline Hokey	Mr. M. Uday Harshavardhan
Runners up	Team	state level	Chaitanyam 2k18, CEC, Kommadi, VSP, in Volley Ball	Mr. P. Poorna Chandra Sekhar
3rd Prize	Individual	state level	Chaitanyam 2k18, CEC, Kommadi, VSP, in Discthrow	Mr. P. Poorna Chandra Sekhar

8. Competitive Exams

Competitive exams are central exams where millions of students and individuals appear for the exam every year. Various Competitive exams are conducted in India for various fields like engineering, medicine and law which are intended for recruiting the best candidates for a right job in the public sector. For instance, Civil service exam, GATE, GRE, CSIR NET etc. Such exams are highly competitive and require time and effort to qualify. Many of our Faculty and students qualified in those exams in various fields and got selected for public sector jobs and got admissions in many prestigious foreign universities.

S.No	Type of Exam	No.of Students Qualified
1	GATE	38
2	GRE	5

3	IELTS	2
4	TOEFL	3
5	State Government Examinations	16

9. FDPs Organised

The main idea behind Faculty Development Programmes (FDPs) across the world is “upskill”. The curricula of various programmes at many universities are updated to keep pace with the changing demands of the industry. Students also join the courses with expectations of learning the latest curriculum. While younger faculty who have graduated more recently may be better skilled, the experienced ones are the backbone of the teaching-learning environment and academic administration at the universities/Institutions. Hence, it becomes imperative to provide them with opportunities to upgrade their skills to meet the current expectations.

There are many ways for faculty to upskill themselves: attending conferences and training programmes, getting involved in research projects, earning online certification through various MOOC portals and through relevant FDPs. Well-planned and curated FDPs are an investment in human resources, and ultimately result in enhanced teaching and learning experience.

S.No	Dates (from-to) (DD-MM-YYYY)	Title of the professional development program organised for teaching staff	Title of the administrative training program organised for non-teaching staff	No. of participants
1	15-06-2017 to 16-06-2017	Faculty Induction Programme		51
2	12-06-2017 to 17-06-2017	FDP on Machine learning		48
3	13-12-2017 to 14-12-2017	A two-day workshop on E-Tabs		3
4	11-10-2017 to 11-10-2017	A one-day workshop on Geotechnical Problems and practices		3
5	08-12-2017 to 09-12-2017	Application of Theory to Process Industry for Engineers		9
6	18-11-2017	workshop on ART OF LIVING by shankar Narayana		30
7	23-12-2017	Workshop on Power Electronic drives and applications		35
8	23-12-2017	One day FDP on Outcome Based Education		52
9	14-02-2018 to 15-02-2018	Workshop on APPLICATION OF NON-DESTRUCTIVE TESTING IN INDUSTRIAL SECTOR (NATTS)		30

10	05-01-2018 to 10-01-2018	Faculty Development Programme on " 5G Communication"	60
11	24-11-2017 to 25-11-2017	AICTE sponsored National seminar on MICRO MANUFACTURING TECHNIQUES	26
12	14-05-2018 to 14-05-2018	Fire Extinguisher Demo Training to all technicians	30

10. FACULTY FDP PARTICIPATION:

S.No	Name of the Department	Faculty Participation
1.	Mechanical	10
2.	ECE	30
3.	Civil	3
4.	Chemistry	4
5.	CSE	37
6.	Chemical	4
7.	EEE	12
8.	IT	10
Total		100

R. Srikanth.
Convener, IQAC

Convener, IQAC
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist.

[Signature]
Principal

Principal
Anil Neerukonda Institute of
Technology & Sciences
Sangivalasa-531 162
Visakhapatnam Dist