KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.

काकतीय प्रैद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - ౫౦౬ ౦౧౫ తెలంగాణ, భారతదేశము

(An Autonomous Institute under Kakatiya University, Warangal)

(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

Estd-1980

KITSW

DEPARTMENT OF INFORMATION TECHNOLOGY

Welcome to NAAC Peer Team

Dept. of Information Technology:

Vision: To become a center of excellence in the Information Technology discipline with effective teaching and strong research environment that makes our students globally competitive with strong ethical values and leadership abilities.

Mission:

M1: To impart technical knowledge to the students to turn out proficient and well groomed engineers.

M2: Motivate students to improve skills by attending training programs and internships that leads to develop innovative projects in emerging technologies.

M3: To train our students for higher education, leadership in profession and adopt quality research.

Dept. of Information Technology:

Programmes offered:

B.Tech. - Information Technology

M.Tech. - Data Science

Accreditation status:

- Re Accredited Under Tier-1 by National Board of Accreditation (3-Years)
  Approval letter No. F.No. 11-76-2010 Dt. 15.06.2022 (valid upto 30.06.2025)

- Accredited Under Tier-1 by National Board of Accreditation (3-Years)
  Approval letter No. F.No. 11-76-2010 Dt. 20.11.2019 (valid upto 30.06.2022)

- First accreditation status awarded by NBA to Information Technology for 3-Years.
  Approval letter No. F.No. 11-76-2010 Dt. 04.02.2017 (Tier-II upto 30.06.2019)

Dept. of Information Technology: B.Tech. IT

Program Outcomes		Engineering Graduates will be able to…
PO1	Engineering Knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem Analysis	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/Development of Solutions	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct Investigations of Complex Problems	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern Tool Usage	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO6	The Engineer and Society	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and Sustainability	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and Team Work	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project Management and Finance	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments
PO12	Life-Long Learning	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Dept. of Information Technology:

B.Tech – Information Technology:

PEOs	The Information Technology Programme will be able to
PEO-1	To provide students with a sound foundation in information technology theory and practices to analyze, formulate and solve engineering problems
PEO-2	To develop an ability to design algorithms, implement programs and deploy software
PEO-3	To develop information technology solutions with the changing needs of the society for the career-related activities

PSOs	Engineering Graduates will be able to
PSO-1	apply analytical and experimental problem-solving skills in the information technology discipline
PSO-2	use fundamental knowledge to investigate new and emerging technologies leading to innovations in the field of information technology
PSO-3	begin immediate professional practice as an information technology engineer

Dept. of Information Technology:

M.Tech – Data Science:

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	
PG – M.Tech. (DATA SCIENCE)	
PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	The post graduates of DATA SCIENCE will be able to
PEO1 (Research and Innovation)	attain proficiency in the field of data science to analyze, synthesize, simulate and use innovative techniques in research & teaching.
PEO2 (Technical expertise and Successful career)	excel in profession, become an entrepreneur by adopting emerging technologies in the field of data science.
PEO3 (Soft skills and Lifelong learning)	exhibit professional ethics, effective communication and develop solutions with the changing needs of the society for career-related activities.

Dept. of Information Technology:

M.Tech – DATA SCIENCE:

PROGRAM OUTCOMES (POs)	
PG – M.Tech. (DATA SCIENCE)	
Pos:	At the time of graduation, the post graduates of DATA SCIENCE will be able to …
PO1	independently carry out research and development work to solve practical problems.
PO2	write and present an effective technical report/document.
PO3	demonstrate competency in the field of data science.

PROGRAM SPECIFIC OUTCOMES (PSOs)	
PG – M.Tech. (DATA SCIENCE)	
PSOs:	At the time of graduation, the post graduates of DATA SCIENCE will be able to …
PSO1	apply the knowledge of data structures, data science, neural networks and machine learning techniques to solve real-world problems.
PSO2	demonstrate data analytical skills to build and assess models for handling large-scale data.

Dept. of Information Technology:

Head of the Department	: Dr.T.Senthil Murugan
Academic Coordinator	: Dr. Y. Bhavani
No. of faculty	: 20
No. of faculty with Ph.D	: 06
No. of faculty pursuing Ph.D	: 12
No. of technical & supporting staff	: 05

Dept. of Information Technology:

List of Laboratories:

S. No.	Name of the Laboratory	Equipment Cost (in Rs.)
1	Programming Laboratory	11,14,825/-
2	Database and Data Engineering Laboratory	22,05,435/-
3	Application Development Laboratory	15,68,054/-
4	PG Research Laboratory	7,87,448/-
5	Networks Simulation Laboratory	26,25,249/-
6	Research & Education Center – Data Science Lab	33,72,000/-

Software Available in Laboratories:

Java, Star UML,JIRA,TFS, Oracle 10g Express Edition, Anaconda IDE, Selenium
Dev C++ 5.9.2, Microsoft Visual Studio 2010, Python

Dept. of Information Technology:

Research & Education Center: DATA SCIENCE LABORATORY :

S. No.	Name of the Laboratory	Equipment Cost (in Rs.)
1	Data Science Laboratory	33,72,000/-

Software Available in this Laboratory:

TensorFlow, PyTorch, Scikit-learn, Keras, RapidMiner, H2O.ai

Types of projects / research carried out with description:

- PG Dissertation work – Data Science, Machine Learning , Artificial Intelligence
- UG Major Projects – IoT, Cloud Computing, Machine Learning
- Faculty Research Publication preparation with implementation results

IoT Working Model: Vehicle Speed control to avoid accidents

ITD - Facility in Research and Education Centre

Dept. of Information Technology:

Criterion 1 - Curricular Aspects

Curricula is developed and revised on regular basis, based on inputs from the following:

1.Feedback from stakeholders - to meet local requirements

2. Inputs from industry experts (In & abroad) - to meet industry & global developmental needs

3.Suggestions from academicians of reputed institutions - to meet regional & global need

Components in Curriculum:

- Science Component
- Humanities & Social Science
- Professional Core
- Breadth Component
- Electives - Professional & Open electives
- Internship
- Mandatory & Audit courses
- Project work & Seminar

Dept. of Information Technology:

Criterion 1 - Curricular Aspects

Curricula Summary: (for period 2018-19 to 2022-23)

No. of courses offered	:106
New courses introduced	:18
Value added courses	:24

Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

Teaching-Learning Process:

- Class work as per Almanac
- Sharing Outcome Based Lecture Schedule (OBLS)
- Prior sharing of course material with outcomes - CDTs, SLTs
- Participative Learning through special Assignments in the form of Course Research Paper & Course Patent Paper
- Peer learning through Programme based Assignments
- Continuous internal assessment through Minor exams, Mid Semester exams, Assignments & Special Assignments
- Flip-classes through Tutorials followed as per tutorial matrix
- Course committee meetings

Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

Programmes conducted to cater to differential learning needs of the students:

For Slow learners:

- Remedial Classes, Tutorials, Class Discussion Materials, Question Bank

For active learners:

- Course Patent and Course Research Papers
- Course Projects : 66
- Project to paper publications : Journals: 02 Conferences: 65
- MOOCs certifications : 17 NPTEL certifications
- Participation in hackathons : 02

Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

- **Effective Mentor-Mentee (Counselor-Counselee) System:**

Procedure :

- ➔ Students meet their respective counselor every week during "Meet Your Counselor" hour
- ➔ The faculty member who acts as counsellor maintains a Counseling record book for each counselee in which personal details of the students including their address, contact numbers, overall academic performance and progress is regularly updated.
- ➔ Monitor the attendance and marks in college management software(CMS), counsel, guide, and motivate the students in all academic matters.

Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

Course Outcome (CO) – Programme Outcome (PO) Attainment Calculation Procedure:

There are four course outcomes framed for every course.

Each course outcome is mapped to programme outcomes with relevant correlation levels (3-High, 2-Medium, 1-Low).

Average of each PO correlation level is taken as target attainment for that PO.

Course Outcome Attainment Level (COAL) of Mid Semester & End Semester examination is set by considering number of students scored more than the threshold mark of that course as shown below.

Course Outcome Attainment Level = 1: 60% students scoring more than threshold
Course Outcome Attainment Level = 2: 70% students scoring more than threshold
Course Outcome Attainment Level = 3: 80% students scoring more than threshold
Where threshold = 50% of maximum marks for that Course Outcome

Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

- **CO Attainment Calculation - Example**

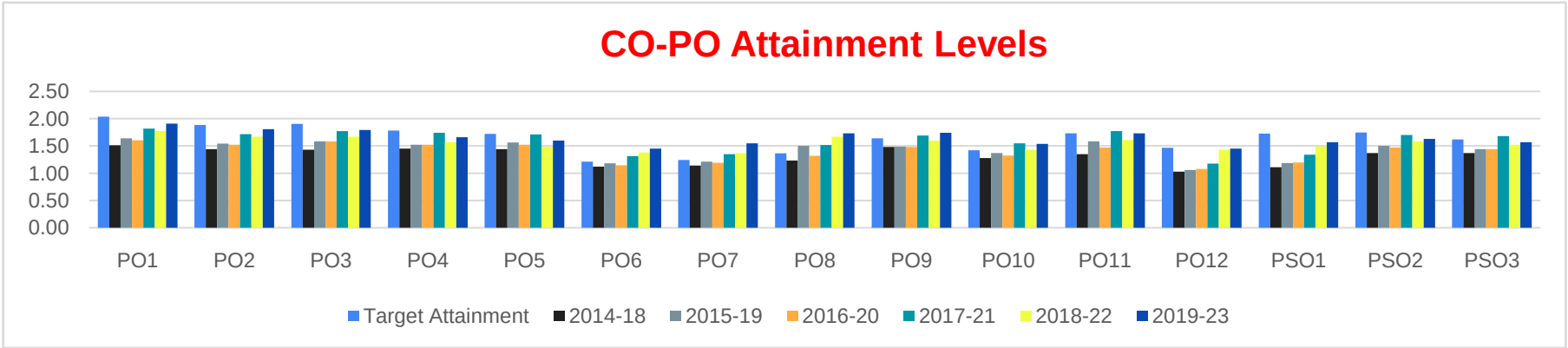
Total Number of Students	60			
Course Outcome	CO1	CO2	CO3	CO4
Maximum Marks	15	15	15	15
Threshold (Th) (Th=50% of Maximum Marks)	7.5	7.5	7.5	7.5
No. of Students Count >= Th	55	45	54	41
% of Students Count >= Th	91.6%	75%	90%	68.3%
Course Outcome Attainment Level (COAL)	3	2	3	1

Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

- **PO Targets and Attainments : (for 6 batches)**

PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Target Attainment	2.04	1.88	1.90	1.78	1.72	1.21	1.24	1.37	1.64	1.42	1.73	1.47	1.73	1.75	1.62
2014-18	1.51	1.44	1.43	1.45	1.44	1.12	1.14	1.23	1.48	1.28	1.35	1.03	1.11	1.37	1.37
2015-19	1.64	1.54	1.58	1.52	1.56	1.18	1.21	1.50	1.49	1.37	1.59	1.06	1.19	1.50	1.44
2016-20	1.60	1.52	1.59	1.52	1.52	1.15	1.19	1.32	1.48	1.32	1.47	1.08	1.20	1.47	1.44
2017-21	1.82	1.72	1.77	1.74	1.71	1.31	1.35	1.52	1.69	1.55	1.77	1.17	1.34	1.70	1.68
2018-22	1.77	1.67	1.67	1.57	1.48	1.38	1.37	1.67	1.60	1.43	1.61	1.43	1.49	1.59	1.52
2019-23	1.91	1.81	1.79	1.66	1.60	1.45	1.55	1.73	1.74	1.54	1.73	1.45	1.57	1.63	1.57



Dept. of Information Technology:

Criterion 2 - Teaching-learning and Evaluation

Pass percentage of students in UG & PG during 5 years (without backlogs)

UG

S.No	Acad. Year	Total No.of Students Registered	No. of Students Passed	Pass%
1	2022-23	66	66	100
2	2021-22	69	67	97.10
3	2020-21	69	36	56.25
4	2019-20	57	38	66.67
5	2018-19	57	31	53.45

PG

S.No	Acad. Year	Total No. of Students Registered	No. of Students Passed	Pass%
1	2022-23	3	3	100
2	2021-22	9	8	88.89
3	2020-21	NA	NA	NA
4	2019-20	NA	NA	NA
5	2018-19	NA	NA	NA

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

- **Research Facilities in the Department:** **Research & Education Center DATA SCIENCE LAB**
  This Research & Education centre equipped with high-end systems acquired in 2022, this facility serves as a pivotal resource for our ITD students, supporting various curriculum-related experiments and research works.
  Major Equipment: 36 NODES with the following configuration:
  Dell Desktop : Intel Core i5-10400 10th Gen, 8GB RAM, 1TB HDD, Keyboard, Mouse, 2GB Graphic card, 18.5 LED Monitor, 24 Port 10/100/1000 Gigabyte 2 No's Switches (D-LINK)
- **Research supervisors:** 01
- **Research scholars:** 02

S.No	Name of the Scholar	Year of Registration
1	Azmeera Naresh	2018
2	Srikanth Reddy	2021

- **Faculty obtained Ph.D during 2018-19 to 2022-23:** 03

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

Research Publications

Journals/ Conferences	2023-24	2022-2023	2021-22	2020-21	2019-20	2018-19
Scopus Indexed	1 (Accepted)	07	03	03	09	04
UGC Listed	-	06	-	04	-	07
SCI/ESCI	1 (Accepted)	01	01	-	-	-
National Conferences	-	-	-	-	06	02
International Conferences	01	14	13	07	07	04
Books/Book Chapters	01	02	03	01	03	-
Patents Published/Awarded	-	01	-	01	02	-
NPTEL Certificates	16	07	05	07	05	08

Avg. Citation Index: 9.62

Avg. h-index: 0.81

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

Faculty Awards:

S.No	Acad.Year	Name of the Faculty	Achievement
1	2023-24	Dr. T. SenthilMurugan	ELITE + Silver Topper 5% in NPTEL CourseData Structure and Algorithms Using Java
2		Dr. T. SenthilMurugan	NPTEL Disipline Star
3		Dr. B. Kiran Kumar	ELITE + Gold Topper 1% in NPTEL CourseData Structure and Algorithms Using Java
		Dr. B. Kiran Kumar	ELITE + Gold Topper 1% in NPTEL CourseProgramming in Java
4		Sri A.Bhaskar	ELITE + Silver Topper 5% in NPTEL CourseProgramming in Java
5		Dr. Y. Bhavani	ELITE + Gold Topper 2% in NPTEL CourseProgramming in Java
6		Dr. Y. Bhavani	ELITE + Gold Topper 5% in NPTEL CourseIntroduction to Programming in C
7		Dr. K.Praveen Kumar	NPTEL Discipline Star
8	2022-23	Dr. Y. Bhavani	NPTEL Discipline Star
9.	2021-22	Dr. K. Deepika	Award of Excellence in Research National Faculty Award 2021-2022 Novel Research Academy Puducherry, India ISO 9001:2015 Certified UDYAM REGD.NO.:PY-03-0003542(A Registered Enterprise under theGovt. of India)Ref: NRA/AER/0112187/2021—2022. January 2022
10	2018-19	Dr. Y. Bhavani	Faculty Research Incentive scheme(FRIS)for paper presentation in ICCII-2018 at JNTUH

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

Anti-plagiarism policy:

Metrics for similarity check

UG / PG:

(Seminar Reports / Mini Projects Reports / Major Project Reports , M.Tech Seminar / and M.Tech Dissertation)

S.No.	Type of Manuscript	Similarity %		Shall exclude No. of Consecutive Words
		Overall	From Single Source	
1.	UG Seminar	40%	10%	10
2.	UG Mini Project	30%	8%	10
3.	UG Major Project	24%	4%	6
4.	PG Seminar	30%	8%	10
5.	PG Dissertation	24%	3%	6
6.	PhD Thesis	10%	3%	6

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

Table with no.of seminar reports, miniproject reports, major project reports, M.Tech thesis, student publications

S.No	Acad. Year	Number of				
		Seminar Reports	Mini Project Reports	Major Project Reports	M.Tech. thesis	Student Publications (J+C)
1	2018-19	66	60	15	NA	0+1
2	2019-20	65	64	15	NA	0+22
3	2020-21	68	69	13	NA	0+18
4	2021-22	66	66	17	9	1+22
5	2022-23	130	131	16	3	1+2

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

No. of MoUs: 01

No. of Activities conducted:03

S.No.	Academic Year	Name of the Activity Conducted	Date
1	2022-23	Conducted one day workshop on "Data Science using Python"	17.10.2022
2	2021-22	Conducted one day workshop on "Understanding Machine Learning"	09.09.2021
3	2020-21	Conducted one week Faculty Development Programme on "Data Science behind Natural Language Processing "	06.07.2020 to 10.07.2020

Dept. of Information Technology:

Criterion 3 - Research, Innovations and Extension

Innovation Ecosystem

- Faculty coordinators for I²RE - EDC, IIC, Idea lab, startups, …….

I²RE coordinator: T.Mahesh Kumar

- Students participation in I²RE activities:

Academic Year	No. of Students Presented their Papers in International Conferences	No. of Students Completed Course Projects
2023- 24	02	03
2022 -23	04	03
2021- 22	23	10
2020 -21	18	53
2019-20	19	-
2018-19	01	-

Ideas of three teams from IT 2nd year students were selected in "*Startup India Yatra*" organized at NITW on 22-9-2018 for final state wide presentation during 3-5th Oct, 2018.

రాష్ట్ర స్థాయి పోటీలకు ఉత్తమ ఆలోచనల ఎంపిక

నిట్‌క్యాంపస్, న్యూస్‌టుడే: కేంద్ర, రాష్ట్ర ప్రభుత్వాలు సంయుక్తంగా నిర్వహిస్తున్న స్టార్టప్ ఇండియా తెలంగాణ యాత్రలో భాగంగా జాతీయ సాంకేతిక సంస్థ(ఎన్ ఐటీ)లో శనివారం ఐడియేషన్ బూట్ క్యాంపులో విద్యార్థులు సమర్పించిన ఉత్తమ ఆలోచనలను రాష్ట్ర స్థాయికి ఎంపిక చేశారు. ఈ క్యాంపెయిన్‌ను తెలంగాణలో ఐటీ శాఖా మంత్రి సెప్టెంబరు 15న ప్రారంభించి అక్టోబరు 5 వరకు రాష్ట్రవ్యాప్తంగా 12 కేంద్రాలలో నిర్వహించి ఆసక్తి కలిగిన వారి నుంచి ఆలోచనలు స్వీకరిస్తున్నారు. నిట్‌లోని బీఆర్.అంబేడ్కర్ అధ్యయన కేంద్రంలో జరిగిన సమావేశంలో 46 మంది విద్యార్థులు తమ ఆలోచనలు సమర్పించారు. వీటిలో 13 ఆలోచనలను అక్టోబరు 3 నుంచి 5 వరకు హైదరాబాద్‌లో జరిగే రాష్ట్ర స్థాయి పోటీలకు ఎంపిక చేశారు. ఇలా రాష్ట్ర వ్యాప్తంగా ఎంపిక చేసిన ఉత్తమ ఆలోచనలను స్వీకరించి వారికి అవసరమైన సాంకేతిక సహకారం, ఆర్థిక ప్రోత్సాహం రాష్ట్ర ప్రభుత్వం అందిస్తుందని సదస్సు నిర్వాహకులు ఆచార్య ఆంజనేయులు తెలిపారు. కార్యక్రమంలో నిట్ ప్యాకల్టీ కిరణ్, తేజస్వి, సురేష్, పద్మ తదితరులు పాల్గొన్నారు.

ఉత్తమ ఆలోచనల ప్రాజెక్టుకు ఎంపికైన విద్యార్థులు

Dept. of Information Technology:

Criterion 4 - Infrastructure and Learning Resources

Physical Facilities:

No. of Classrooms	: 06
No. of Laboratories	: 06
No. of Computers	: 262

Department Library info:

No. of textbooks	: 194
No. of project reports	: 60
No. of newsletters	: 10
No. of Magazines	: 5

Dept. of Information Technology:

Criterion 5 - Student Support and Progression

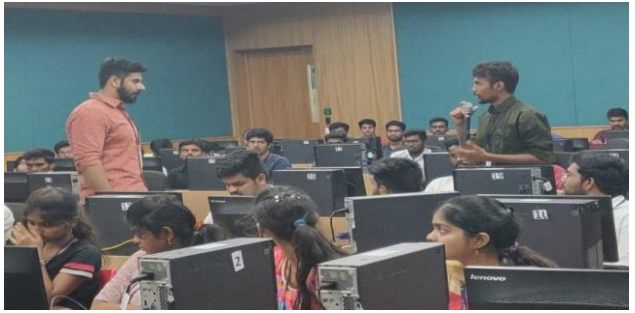
Student participation and awards in various activities:

Academic Year	Journals	Conferences	NPTEL	Course Projects
2022-23	1	2	4	03
2021-22	1	22	2	10
2020-21	-	18	4	53
2019-20	-	22	2	-
2018-19	-	1	5	-

Student Industrial Visits

S. No.	Month & Year in which tour is organized	No. of students participated	Faculty accompanied	Industries Visited
1	April, 2022	10	Dr.Y. Bhavani	ISRO, Hyderabad.
2	February, 2020	40	R.Gautam Dr.K.Praveen Kumar K.Goutham Raju	INCOIS (Indian National Centre for Ocean Information Services), Hyderabad.
3	March, 2019	45	Mrs G.K. Shailaja Mr.M. Kishore Mr. P. Sudarshan Ray Mrs. S.B.Swathi	INCOIS (Indian National Center for Ocean Information Services), Hyderabad.
4	April, 2019	15	Mr. R. Gautam	Infosys Special Economic Zone, Pocharam Campus

B.Tech, VI semester Students and Faculty of IT Department at INCOIS Hyderabad.



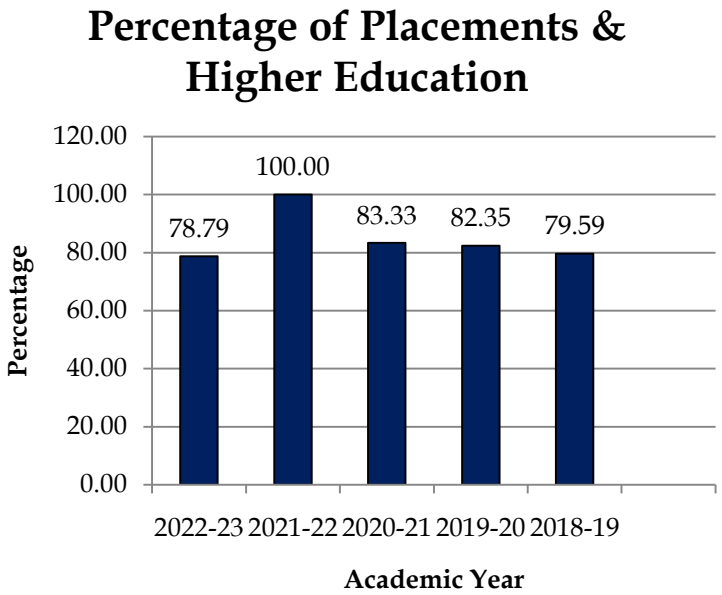
Student (B. Jaya Krishna – B16IT013) interacting with Mr. Sharath (Developer) during the session.

Dept. of Information Technology:

Criterion 5 - Student Support and Progression

Student Placements & Higher Education:

Acad. Year	Registered Students	No. of Students Placed	No. of Students opted for Higher Education	Percentage
2022-23	66	40	12	78.79
2021-22	56	51	5	100.00
2020-21	60	45	5	83.33
2019-20	51	33	9	82.35
2018-19	49	34	5	79.59



Dept. of Information Technology:

Criterion 5 - Student Support and Progression

Alumni Engagement:

Alumni activities:

Date of visit	Name	Designation
13/03/2023	Alekya Thalakoti	Associate in Cognizant, Hyderabad
13/03/2023	Praneeth Thangallapally	Software Engineer at TCS, Hyderabad
05/03/2023	V. Sravya	Principal Software Engineer, Dell Technology, Hyderabad
05/03/2023	Mounika	Softare Engineer, Microsoft
04/01/2022	Sanjay Damera	SDE-1 in Verisk anaiytics, USA.
06/01/2022	M. Shresta	Working at IBM as data Engineer
04/01/2022	MirzaYaser Baig.	DevOps Engineer at SAP, Walldore, Germany.
23/10/2021	Donthula Preethika	Software Engineer,TCS
29/12/2021	CH.Anvith Reddy	Software Engineer at Microsoft, USA.

Dept. of Information Technology:

Criterion 5 - Student Support and Progression

Alumni Engagement: List of prominent alumni

S. No.	Academic Batch	Name of the Alumni	Designation
1	2001-05	Sri. Koppula Hemanth Kumar	Project Associate, Software Technology Parks of INDIA
2	2001-05	Sri. Banda Rakesh Reddy	Software Test Lead, Department of Communities, Child Safety and Disability Services, Australia
3	2002-06	Sri. Goke Raju	Founder & CEO at EWGCS Inc., Dover, Delaware Area, USA
4	2003-07	Dr. Praveen Kumar	Assistant Professor, Adama University, Utopia
5	2004-08	Sri. Manda Sandeep	Professional Programmer Analyst, DXC Technology, Singapore.
6	2004-08	Smt. Mounika Reddy	Technical Architect, Logic House, Ltd, US
7	2005-09	Sri. Amancha Harish	Technology Lead, Infosys Ltd., Melbourne, Australia
8	2005-09	Smt. Nagelli Avanthi	Full Stack/AWS Certified Developer, Richmond, Virginia Area, USA.
9	2005-09	Sri. Saidaiah	Software Engineer, Echo sport Corporation, Englewood, Colorado, USA

Dept. of Information Technology:

Criterion 5 - Student Support and Progression

Prominent alumni contributions:

S. No.	Batch	Product	Amount
1	2013-17	AHUJA DPA-570 USB PA Amplifier	5800/-
2		AHUJA AWM-490 VHL Cordless mic	3700/-
		Total	**9500/-**

Prominent alumni Entrepreneurs:

S. No.	Name	Year	Name of the Firm	Profile of Company	Contact Number	E-Mail Id
1	Madhukar Siliveru	2009-13	Proprietor, Madhukar Constructions, Warangal, Telangana, India	Construction & Real Estate.	--	pulse0007@gmail.com
2	N.Lithin Kumar	2010-14	S&S Solutions Hyderabad, Telangana 500029	Training Institute and handles various projects for Engineering graduates	9502383331	nithin.nagani@gmail.com
3	D. Praveen Kumar	2011-15	Vision IT Technologies	Software Training Institute	--	tuffy.praveen69@gmail.com
4	M.Sai Krishna	2012-16	Correlate Consulting Pvt.Ltd Amrutha Estate, Himayathnagar, Hyderabad, Telangana 500029	Training & Placement, Staffing	8341664545	saikrishnametpalli@gmail.com

Dept. of Information Technology:

Alumni Engagement: PHOTO GALLERY

		
Our proud alumnus Mr. Sandeep Shaw, Project Manager, Deloitte Consulting LLP, Hyderabad delivering a lecture on "Eclipse–A Java Tool"	Our proud alumnus Mr. N. Sandeep Kumar (2008-12 Batch), Software Engineer at Amazon Robotics, USA addressing the students during the Association Activity	Guest lecture by K.Akash, Application Designer,DXC Technology, Hyderabad on Big Data Analytics on 03.04.2018
		
Alumni of I.T. department, R.Nichil(2013-17 batch), working for GOOGLE, visited the department and interacted with students	Alumni G.Sumana (Batch 2014-2018) sharing her experiences with B.Tech. I Semester in Induction Program	Alumni Mr. A. Anudeep (Batch 2014-2018) sharing his experiences with B.Tech. I-Semester in Induction Program

Dept. of Information Technology:

Criterion 6 - Governance, Leadership and Management

Departmental committees:

S.No.	Name of the Committee
1	Department Academic Audit Committee(DAAC)
2	Department Seminar Evaluation Committee
3	Mini Project Evaluation Committee
4	Major Project Evaluation Committee
5	BoS committee
6	Internship Evaluation Committee
7	Major Research Group

Dept. of Information Technology:

Criterion 6 - Governance, Leadership and Management

List of BoS meetings conducted:

S.No.	Date	Purpose
1	19-07-2022	To revise the course contents of Data Structures through C course and also laboratory course with new code U18CS202_R1 & U18CS207_R1
2	15-06-2022	To include ADS and ADS Lab in III semester of URR-18 curriculum for 2021 admitted students.
3	21-06-2022	To revise the contents of DAA and DAA Lab in V semester of URR-18R22 curriculum for 2021 admitted students.
4	13-11-2020	Approval of scheme and syllabus for M.Tech (DS) PRR-20
5	17-04-2018	URR-18 3rd to 8th Semesters Syllabus approval
6	22-06-2015	URR-14 3rd to 8th Semesters Syllabus approval

Dept. of Information Technology:

Criterion 6 - Governance, Leadership and Management

Consolidated Budget Sanctioned and Actual Expenses for the Academic Years - 2023-24, 2022-23, 2021-22, 2020-21, 2019-20, 2018-19

Items	Budgeted in 2023-24 (in Rs)	Actual Expenses in 2023-24 (in Rs)	Budgeted in 2022-23 (in Rs)	Actual Expenses in 2022-23 (in Rs)
Non Recurring	24,33,000	5,86,633	5,64,000	21,97,766
Recurring	5,20,000	4050	5,32,000	4,960
Total	**29,53,000**	**5,90,683**	**10,96,000**	**22,02,726**

Items	Budgeted in 2021-22 (in Rs)	Actual Expenses in 2021-22 (in Rs)	Budgeted in 2020-21 (In Rs)	Actual Expenses in 2020-21(in Rs)	Budgeted in 2019-20(in Rs)	Actual Expenses in 2019-20(in Rs)	Budgeted in 2018-19 (In Rs)	Actual Expenses in 2018-19(in Rs)
Non-Recurring	19,38,000	16,82,826	34,32,000	2,02,636	35,06,800	32,79,418	5,00,000	3,56,780
Recurring	4,78,500	50,800	6,50,000	2,28,730	4,04,250	51,239	2,25,000	1,26,429
Total	**24,16,500**	**17,33,626**	**40,82,000**	**4,31,366**	**39,11,050**	**33,30,657**	**7,25,000**	**4,83,209**

Dept. of Information Technology:

Criterion 6 - Governance, Leadership and Management

No. of faculty provided with funding for seminars / FDPs / Conferences / projects / research / training : 13

Total amount received during 2018-19 to 2022-23: 1,74,875/-

Dept. of Information Technology:

Criterion 6 - Governance, Leadership and Management

Dates (from-to) (DD-MM-YYYY)	Title of the conference/ workshops/ name of the professional body	Name of the teacher	Amount provided by the HEI	Purpose (Member ship fee/travel and other expenses/Registration fee)
Year 1(2018-19)				
NIL				
Year -2(2019-20)				
NIL				
Year -3(2020-21)				
31st may-11th June 2021	FDP on Artificial Intelligence and Machine Learning using python by Finland Labs	A.Bhaskar	2300/-	Registration Fee
		Dr.Y.Bhavani	2300/-	Registration Fee
Year -4(2021-2022)				
19th-30th July 2021	FDP on DataScience using python by Finland Labs	Dr.B.Kiran Kumar	2300/-	Registration Fee
19th-30th July 2021	FDP on DataScience using python by Finland Labs	SB.Swathi	2300/-	Registration Fee
29-01-2022 Jan-May 2022	CSEDU -IIIT-DELHI ON		89,424/-	
	Computer Networks	Dr.T. Senthil Murugan		Registration Fee
	Machine Learning	Dr.B. Kiran Kumar		Registration Fee
	Data Structures	Dr. Y.Bhavani		Registration Fee
	Introduction to Programming (python)	Mrs.S.B.Swathi		Registration Fee
	Introduction to Programming (python)	Mr.M.Kishore		Registration Fee
	Computer Networks	Mr.Gautham		Registration Fee
	Machine Learning	Dr.K.Deepika		Registration Fee
	Data Structures	T.Mahesh kumar		
Year -5 (2022-2023)				
26-02-2023 to 30 -10-2023	Intellipaat Course training on Advanced Certification in Artificial Intelligence and Datascience	Dr.K.Deepika	76,251/-	Registration
		Total Amount:	1,74,875/-	

Dept. of Information Technology:

Criterion 6 - Governance, Leadership and Management

Workshops/FDPs/STTPs/Conferences/ attended by the Faculty (Minimum 1-week)

Acad. Year	No. of FDPs/workshops/STTPs Attended
2018-19	42
2019-20	36
2020-21	38
2021-22	58
2022-23	34
2023-24	42

Dept. of Information Technology:

Criterion 7 - Values and Best Practices

SWOC Analysis of the Department
Strengths: • Dedicated faculty with strong qualifications and retention, supported by well-equipped infrastructure and labs. • Continuous monitoring and counselling of students for the overall improvement of the student. • Placement Training, Personality Development programme, professional development activities and value-added programmes are conducted for students' career development.
Weakness: • Student publications has to be improved. • Number of Ph.D holders has to be improved in the department • No research grants from reputed organizations. • R&D and consultancy need to be enhanced.
Opportunities: • Seminars and Project works can be converted into publications. • Faculty are submitting the proposal to the research organizations for funding • Department can try to generate funds from consultancy work and provide hands-on experience to the students.
Challenges: • Updating of curriculum according to the industrial expectations. • To sign MoUs with companies and R&D to have collaborative domain & specific training programs.

Dept. of Information Technology:

Criterion 7 - Values and Best Practices

Short Term Goals of the Department	
Short term goal 1: To improve students' placements	**Action Plan:** a. During association hour, we are planning to conduct motivation sessions with already placed students in different companies. b. To invite eminent speakers from industries for delivering guest lectures on latest technologies.
Short term goal 2: To motivate students to establish startups and be successful entrepreneurs.	**Action Plan:** 1. Integrating Innovation Incubation Research and Entrepreneurship(I^2RE) into course teaching by giving special assignments on Course Patents and Course Research Paper

Long Term Goal(s) of the Department
Long term goal: Encourage the faculty • To complete Ph.D. Programme. • To publish research papers and claiming patents. • To acquire research grants. **Action Plan:** 1. Motivating faculty to apply for research grants every year. 2. Regular monitoring of research progress of individual faculty. 3.Planning to organize research talks by experts to improve effective research capabilities.

Dept. of Information Technology:

Criterion 7 - Values and Best Practices

Distinctiveness of the Department

- **Strong Leadership and Talent:** The department might be characterized by strong leadership and well qualified, experienced and dedicated faculty who are committed to excellence and continuous improvement.
- **Specialized Focus:** The IT Department have a specialized focus on a particular area of information technology, such as cyber security, data analytics and artificial intelligence and department organizes guest lecturers to students periodically.
- **Cutting-edge Technologies**: The department could prioritize the adoption and implementation of cutting-edge technologies, staying ahead of industry trends and ensuring that department remains competitive in its technological capabilities and department organizes FDPs to the faculty on cutting-edge technologies.

Best Practices of the Department

1. Encouraging students participations in I^2RE activities.
2. Skill and Employability Enhancement for Students by conducting program skill development laboratory.
3. Involvement of Stakeholders in department academic activities.

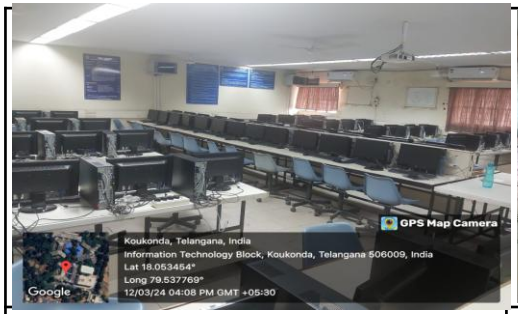
Dept. of Information Technology:

Criterion 7 - Values and Best Practices :: Department Mile Stones

S.No.	Mile Stone	Year
1	Inception	1999
2	Increase of intake to 60	2000
3	AICTE approval: F.No.730-50-213(E)/ET/97, dated 07/11/2000	2000
4	Recognized as “Center of Excellence for Infosys Campus Connect Program” by Infosys Limited	2012
5	Recognized by TCS, Microsoft Corporation, Oracle Corporation	2014
6	Received UGC travel grant	2014
7	Establishment of Networks Simulation lab	2016
8	NBA accreditation : F. No. 11-76-2010-NBA, dated: 04-02-2017	2016
9	Received DST-SERB seminar grant	2018
10	Published two patents	2019
11	NBA Reaccreditation : F. No. 11-76-2010-NBA, dated: 20-11-2019	2019
12	One faculty awarded Ph.D. (Dr.Y.Bhavani)	2020
13	Sanctioned PG Programme in M.Tech (Data Science)	2020
14	Published two patents	2020
15	Intake increased to 120	2020
16	Two faculty members awarded Ph.D. (Dr. B. Kiran Kumar & Dr.K.Deepika)	2021
17	One patent published	2022
18	Conducted Meity, GoI Sponsored FDP in association with E&ICT,NIT Warangal	2023
19	One Faculty submitted PhD Thesis (Mr.N.Rajender)	2023
20	Dr.T. Senthil Murugan has successfully completed Master trainer Programme in High Performance computing which is organized by CDAC & sponsored by AICTE.	2023

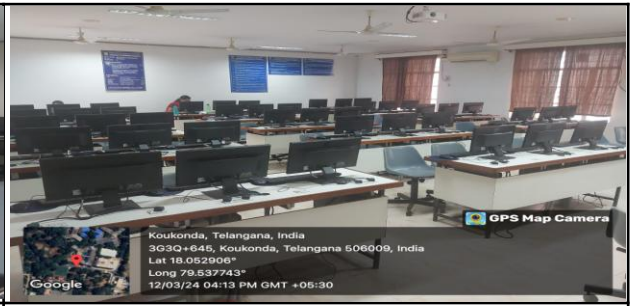
Dept. of Information Technology:

PHOTO GALLERY : LABORATORIES



Networks Simulation Laboratory

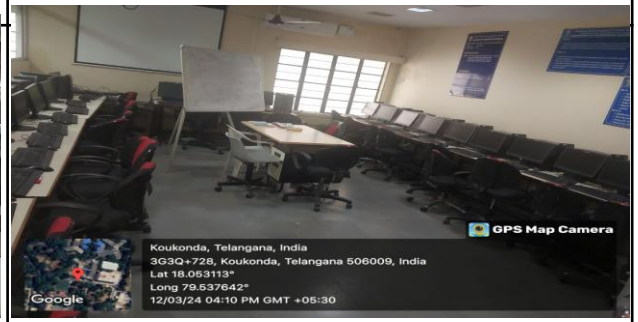
Research and Education Centre - Data Science Laboratory



Programming Laboratory

Database and Data Engineering Laboratory

Application Development Laboratory



PG Research Laboratory

Thank You!