

# Hearty Welcome to NAAC - Peer Team

Department of Computer Science and  
Engineering

**Sridhar S**

HOD and Associate Professor  
Miracle Educational Society



**Miracle Educational Society  
Group of Institutions**

(Approved by AICTE, New Delhi, and  
Affiliated to JNTUK, Kakinada)



# About Us

- The Department of Computer Science and Engineering was established in the year 2009 with 60 intake
- The PG course (M.Tech in Computer Science) was initiated in 2013-2014
- The Department has sophisticated computing facility with splendid computer labs with latest configuration systems
- The Department has well equipped computing laboratories and a rich repository of software covering a wide spectrum of applications
- Department also conducts placement training, personality development and communication skills programs for students



# Department **Vision** and **Mission**

## Vision

- To empower the graduates to be technologically adept, innovative, self-motivated and responsible citizens, possessing human values and contribute significantly towards being a center of excellence in providing globally standard education

## Mission

- To achieve academic excellence by imparting in-depth knowledge to the students through effective pedagogies and hands on experience on latest tools and technologies
- Provide a platform for self learning to meet the challenges of changing technology and inculcate team spirit and leadership qualities to succeed in professional career
- To inculcate professional behavior, strong ethical values, innovative research capabilities and leadership abilities in the young minds to work with a commitment to the progress of the nation



# Strengths of the Department

- Dedicated and Qualified faculty members
- Department average experience is near about 10 Years
- Department has professional clubs like Firefox, Coding, Ethical hacking, AIOUG, etc.
- Internet facility is available with high speed bandwidth
- Department has high-end computing and network resources for the academic and research programs
- A well-furnished digital library with various National and International journals and thousands of E-books
- Department is automated with ECAP software
- Department have around 40 MOU's with various organizations



# Strengths of the Department

- Department is backed up with MSS
- Graduates from the CSE department are heavily recruited by many top companies
- Most of the faculty members presented and published papers at several reputed national, international conferences and journals
- Excellent teaching learning environment
- Summer Internship in industries is provided to student by Department
- Every Year Around 10% of students join from UG to PG
- Large and well-placed alumni pool
- Sharing the subject beyond the syllabus



# Program Specific Outcomes (PSOs)

- Analyze, design, develop and optimize solutions in C, C++, Java, Python and R platforms
- Apply the core concepts of computer science like Data Structures, Database Management Systems, Operating Systems, Computer Architecture and Software Engineering to solve technical issues

## Program Educational Objectives (PEOs)

- After 2/3 years of graduation, the students will have the ability to analyze, design and solve problems related to Computer Science and Engineering and adapt to changes in technology by self learning
- Work effectively as individuals and in a team, exhibiting leadership qualities to meet the goals of the organization
- Work with professionalism and concern for environment to meet the societal needs

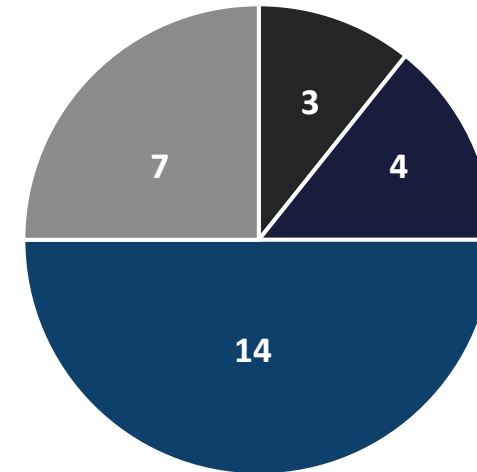
Stake Holders	
Internal	External
Students	Employers
Faculty	Industry
Supporting Staff	Alumni
Management	Parents
Governing Council Members	University



# Staff Details

Cadre	Number
Professors	3
Associate Professors	4
Assistant Professors	14
Non-teaching Staff	7

Staff Details



- Professors
- Assoc. Professors
- Asst. Professors
- Non-Teaching



# Teaching Staff Details

S.No.	Employee Name	Qualification	Designation	Total Years of Experience
1	Dr. I.S. Siva Rao	Ph.D.	Professor	20
2		Ph.D.	Professor	
3		Ph.D.	Professor	
4	S. Sridhar	M.Tech (Ph.D.)	HOD and Associate Professor	17
5	N. Mahendra	M.Tech (Ph.D.)	Associate Professor	16
6	Ch. K. Ramu	M.Tech (Ph.D.)	Associate Professor	15
7	A. Atchuth Rao	M.Tech	Associate Professor	11
8	V. Kiran Kumar	M.Tech	Assistant Professor	10
9	B. Chakradhar	M.Tech	Assistant Professor	10
10	P. Uday Bhaskar	M. Tech	Assistant Professor	4
11	P. Vijaya Lakshmi	M. Tech	Assistant Professor	4





# Teaching Staff Details

S.No.	Employee Name	Qualification	Designation	Total Years of Experience
12	Mr. Ravi Nalini	M. Tech	Assistant Professor	9
13	Mr. Prem Kumar	M. Tech	Assistant Professor	5
14	V. Jhansi Archana	M. Tech	Assistant Professor	4
15	Mrs. Ch. Jyothi	M. Tech	Assistant Professor	4
16	Arjun Sanapathi	M. Tech	Assistant Professor	4
17	Lalitha Jampana	M. Tech	Assistant Professor	4
18	Azay Kothapalli	M. Tech	Assistant Professor	4
19	Sruthi Jampana	M. Tech	Assistant Professor	10
20	Lakshmi Chinthala	M. Tech	Assistant Professor	10
21	R. Venkatesh	M. Tech	Assistant Professor	3



# Lab Programmer Details

S.No.	Employee Name	Qualification	Designation	Total Years of Experience
1	E. Sravaya	B.Tech	Lab Programmer	03
2	Sumathi	B.Tech	Lab Programmer	03
3	J. Keerthi	B.Tech	Lab Programmer	01
4	G. Mary	B.Tech	Lab Programmer	01
5	D. Pavan Kumar	B.Tech	Lab Programmer	02
6	G. Yaswanth	B.Tech	Lab Programmer	01



# Faculty Retention

No of Faculty Members in Base Year (2015-2016) = 23	No of Faculty Retained			
	2016-2017	2017-2018	2018-2019	2019-2020
	23/23	23/23	21/23	19/23
<b>Percentage of Retention</b>	100%	100%	91.30%	82.60%
<b>Average Percentage of Retention</b>	93.47			



# Teaching and Learning Initiatives

- ICT Based Learning
- Classroom Teaching
- Technical Aptitude (QUIZ)
- Peer Instruction
- Think Pair Share
- Self-Learning Lab (SLL)
- Mini Projects
- Technical Presentation
- Panel Discussion
- Time Management, Thoughts, Transform
- Regular Feedback from Stake Holders
- Assignments
- Class Tests
- Guest Lectures
- Periodic Counseling by Counselors
- Conducting Boot Camps



# Weak and Bright Students

## Weak Students

- Identification
- Remedial class
- Continuous monitoring by mentors
- End results evaluation

## Bright Students

- Identification
- Awards/Recognition
- Motivation
- Technical paper publications
- Internships
- Online courses
- Attend and Conduct workshops
- Share their ideas with weak students
- Higher education
- Establishing start-ups
- APSSDC programs



# Audit

- Internal quality assurance cell (1 times in a semester)
- Program academic assessment committee (2 times in a semester)

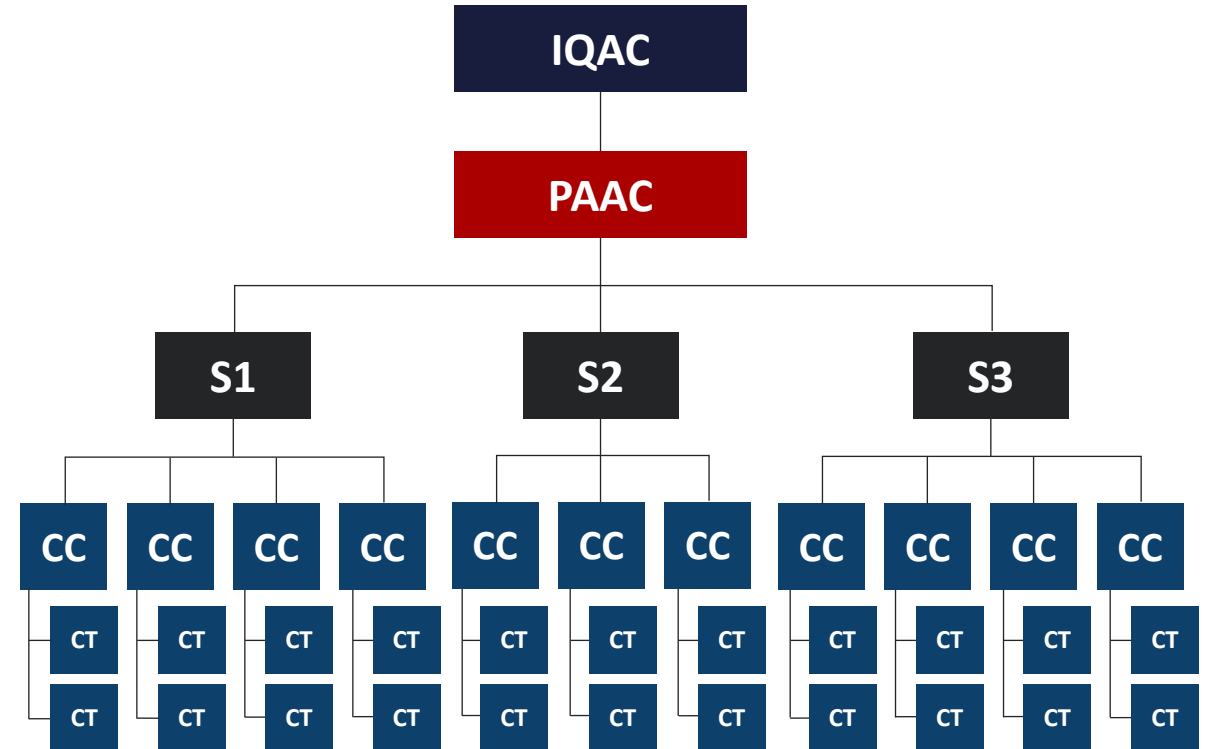
## Internal Quality Assurance Cell for 2019-2020 and 2020-2021

S.No.	Date	Agenda
<b>ODD Semester (2019-2020)</b>		
1	12/03/2019	IQAC Initiation
2	01/04/2019	GAP Analysis in Department
3	17/06/2019	<ul style="list-style-type: none"><li>• Implementing suggestions of IQAC for the year 2019-20 odd semester</li><li>• Maintaining supporting documents as proof</li></ul>
<b>Even Semester (2019-2020)</b>		
4	5/11/2019	IQAC initiation
5	11/11/2019	GAP Analysis in Department
6	12/11/2019	<ul style="list-style-type: none"><li>• Implementing suggestions of IQAC for the year 2019-20 even semester</li><li>• Maintaining supporting documents as proof</li></ul>
<b>ODD Semester (2020-2021)</b>		
7	2/03/2020	IQAC Initiation
8	16/03/2020	GAP Analysis in Department
9	17/08/2020	<ul style="list-style-type: none"><li>• Implementing suggestions of IQAC for the year 2020-21 odd semester</li><li>• Maintaining supporting documents as proof</li></ul>



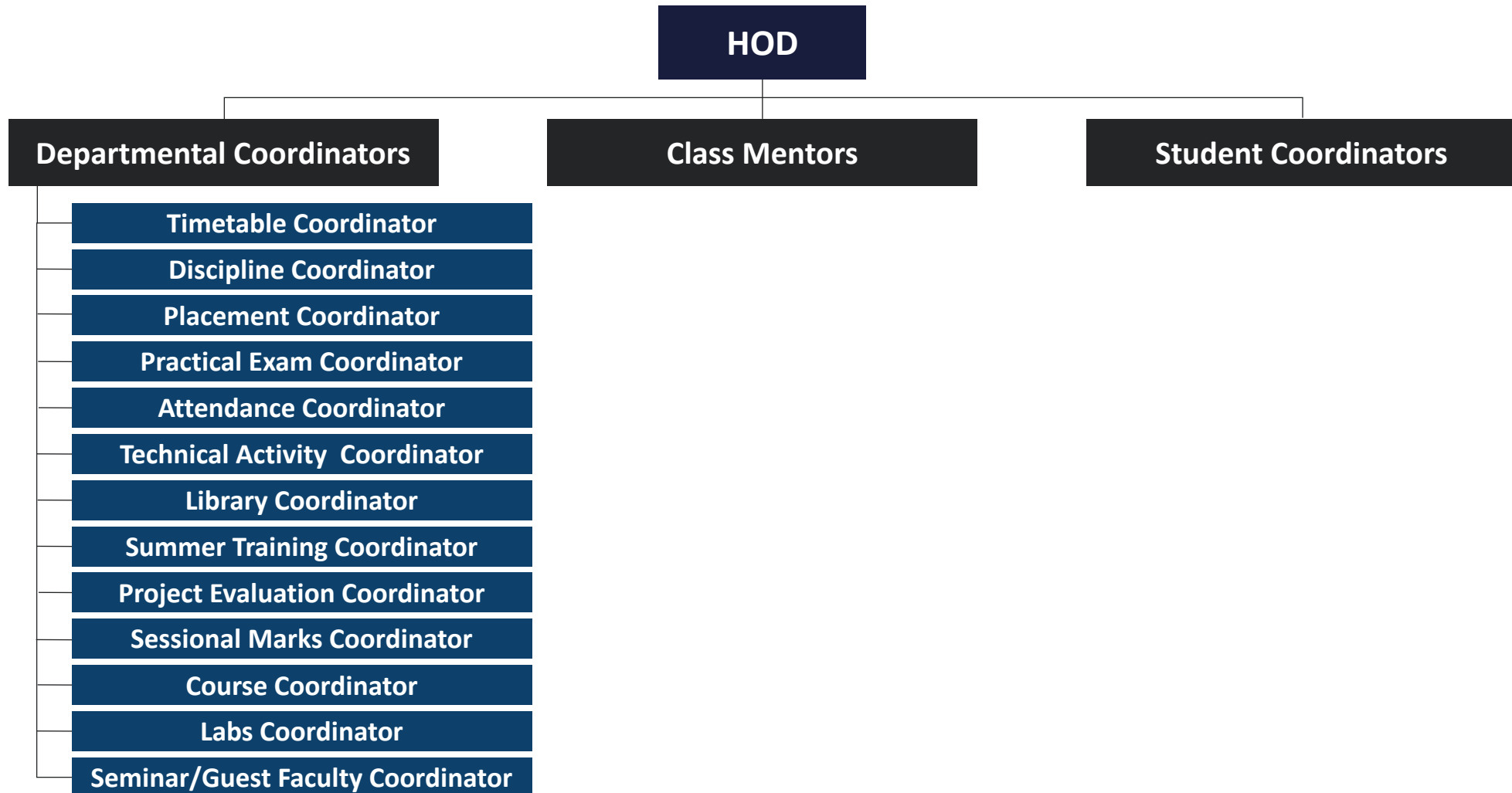
# Program Academic Assessment Committee (PAAC)

S.No.	Faculty Name	Designation
1	S. Sridhar	HOD and Assoc. Prof.
2	Dr. I.S. Siva Rao	Professor
3	N. Mahendra	Assoc. Prof.
4	K. Ramu	Assoc. Prof.
5	V. Kiran Kumar	Class Coordinator
6	B. Chakradhar	Class Coordinator
7	Ch. Jhansi Archana	Class Coordinator
8	Ch. Ashtosh	Student Representative





# Departmental Structure







# Infrastructure and Department Library

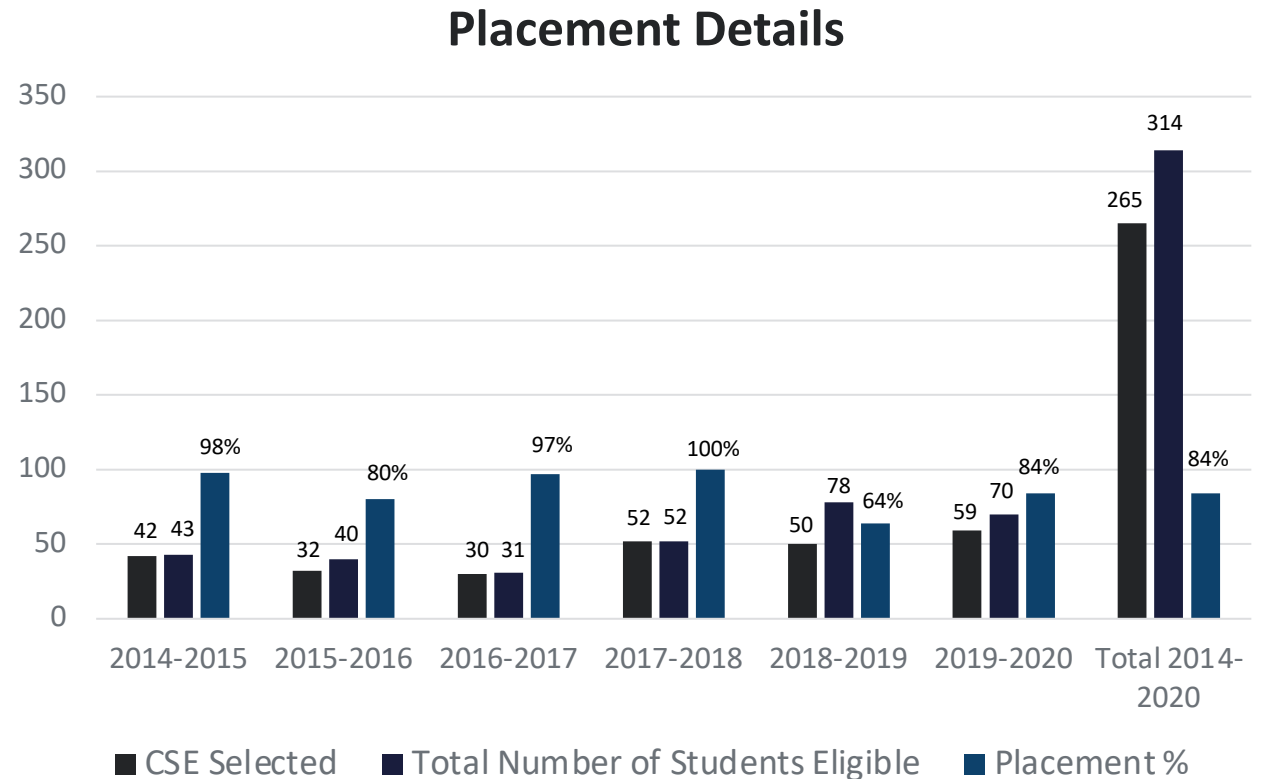
- Department is having 4 computer labs
- Computer Lab's with 240 PCs with Internet connectivity
- Department is having good repository of software's
- 03 smart classrooms with LCD projector
- IT based Library access system
- Wi-Fi campus (around 150 Mbps Speed)
- Department has 6 large classroom with seating capacity of 72
- Department has 1 Seminar Hall
- Department has 1 self learning lab
- ECAP Software

Library Resources	
Category	Count
Titles	35
Volumes	66
Project Books	120



# CSE Dept Placement Details From (2014 - 2020)

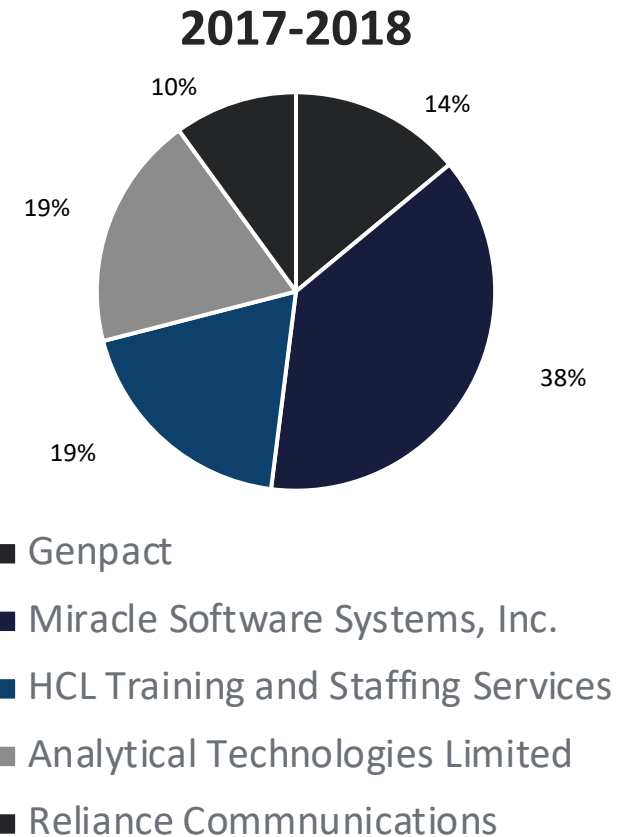
Years	CSE Selected	Total Number of Students Eligible	Placement (%)
2014-15	42	43	98
2015-16	32	40	80
2016-17	30	31	97
2017-18	52	52	100
2018-19	50	78	64
2019-20	59	70	84
<b>Total (2014-2020)</b>	<b>265</b>	<b>314</b>	<b>84</b>





# Students Placements

Company	Selected Students
Genpact	7
Miracle Software Systems, Inc.	20
HCL Training and Staffing Services	10
Analytical Technologies Ltd	10
Reliance Communications	5
<b>Total Selected Students</b>	<b>52</b>

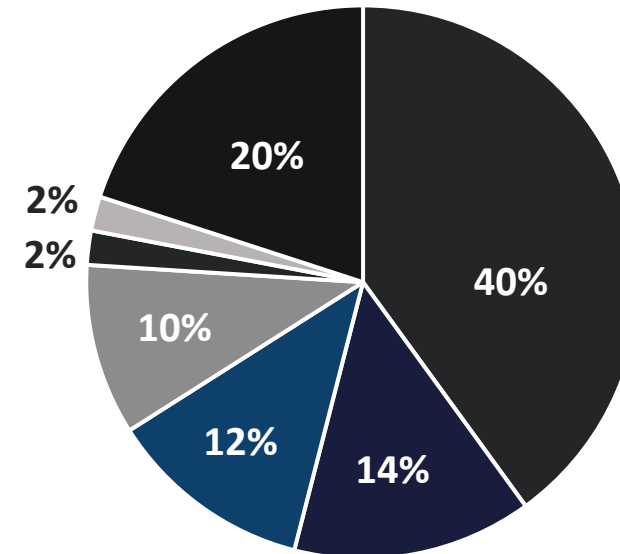




# Students Placements

Company	Selected Students
Miracle Software Systems, Inc.	20
Syntel Pvt. Ltd	7
Mindtree	6
Capgemini	5
Amazon	1
Infosys	1
TCS	10
<b>Total Selected Students</b>	<b>50</b>

2018-2019



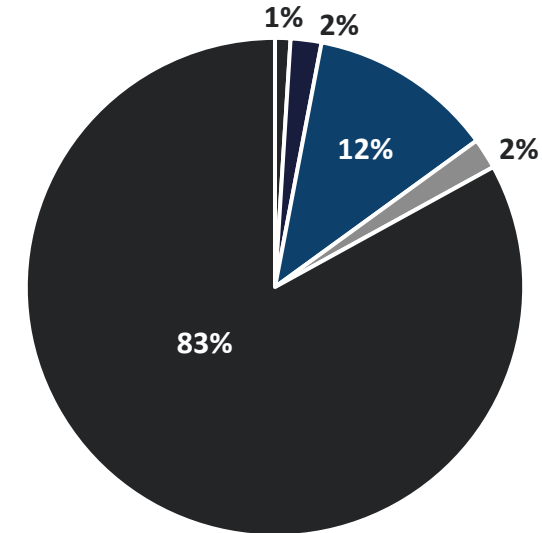
- Miracle Software Systems, Inc.
- Syntel Pvt. Ltd
- Mindtree
- Capgemini
- Amazon
- Infosys
- TCS



# Students Placements

Company	Selected Students
Mindtree	1
Bigworks Technologies Pvt. Ltd	1
TCS	7
Wipro	1
Miracle Software Systems, Inc.	49
<b>Total Selected Students</b>	<b>59</b>

2019-2020



- Mindtree
- Bigworks Technologies Private Limited
- TCS
- Wipro
- Miracle Software Systems, Inc.



# Students Placements



క్యాంపస్ ఇంటర్వ్యూలలో 20మంది విద్యార్థుల ఎంపిక



ప్లేన్మెంట్ పొందిన విద్యార్థులతో కళాశాల సిబ్బంది

భోగాపురం మండలంలోని ముంతేరు మిరాకిల్ ఇంజనీరింగ్ కళాశాలలో కమిడారం విద్యపొందిన క్యాంపస్ ఇంటర్వ్యూలలో కళాశాలనుండి 80మంది విద్యార్థులు పాల్గొనగా 20మంది ఎంపికైనట్లు కళాశాల ప్రెస్మిషిల్ అధ్యక్షుడు తెలిపారు. మిరాకిల్ సాఫ్ట్వేర్ నువ్వ ఈ ఇంటర్వ్యూలను నిర్వహించింది దీనిలో ఎంపీఏ, ఎంపీఎ విద్యార్థులు హెచ్ఆర్, రిక్రూట్మెంట్, డిజిటల్ మార్కెటింగ్ విభాగాల్లో ప్లేన్మెంట్లు పొందినట్లు తెలిపారు.





# Our Recruiters



TATA CONSULTANCY SERVICES





# Our Recruiters



TATA CONSULTANCY SERVICES

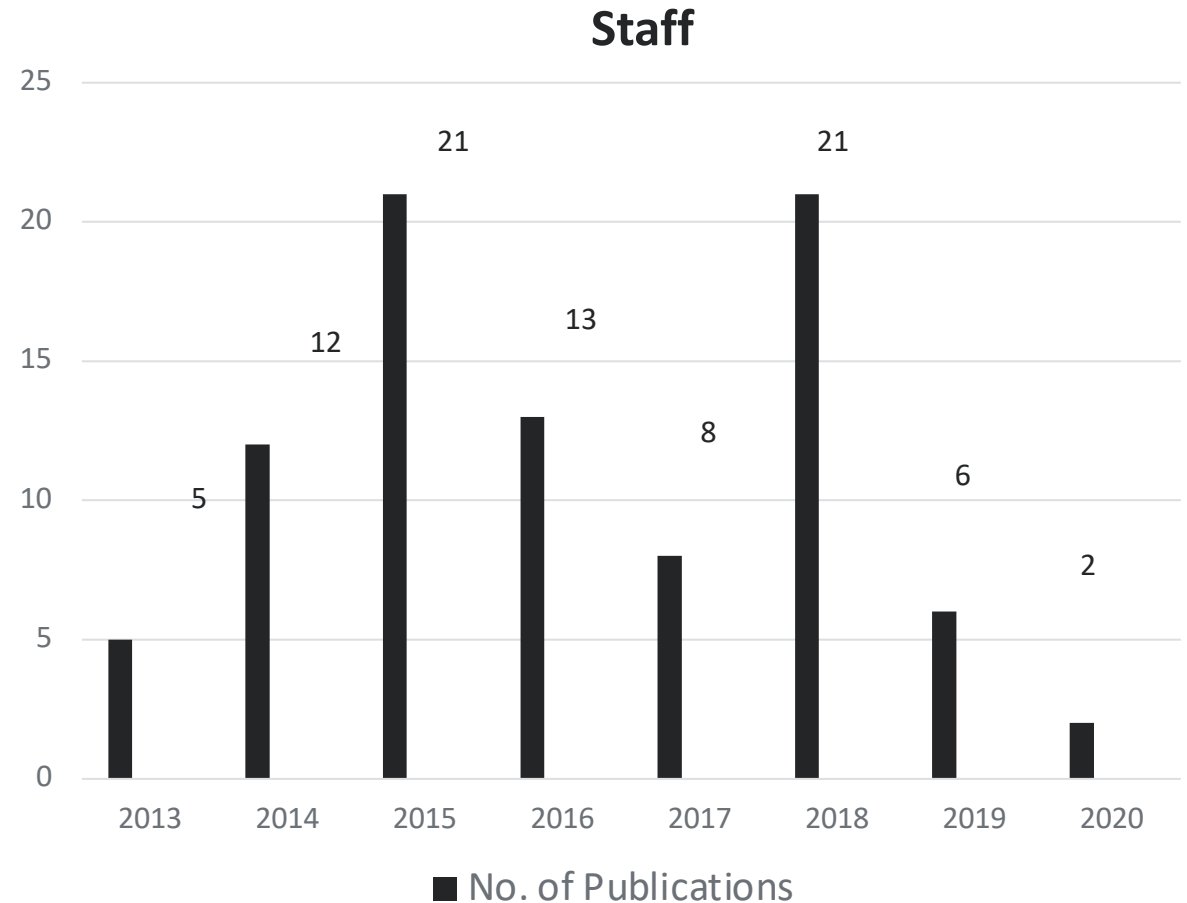






# Staff Publications

Academic Year	No. of Publications
2013	5
2014	12
2015	21
2016	13
2017	8
2018	21
2019	6
2020	2

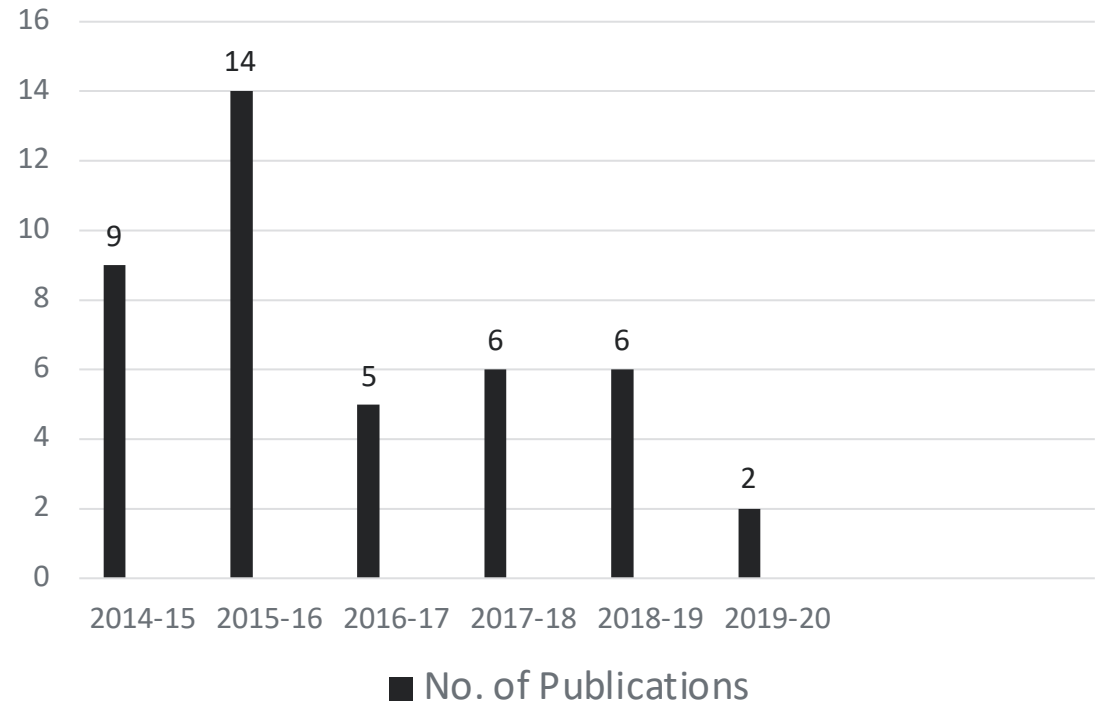




# Student Publications

Batch	No. of Publications
2014-15	9
2015-16	14
2016-17	5
2017-18	6
2018-19	6
2019-20	2

Student





# Internships

S.No.	Academic Year	No. of Students Attended
1	2012-13	35
2	2013-14	45
3	2014-15	50
4	2015-16	50
5	2016-17	40
6	2017-18	48
7	2018-19	38
8	2019-20	45



# Co-Curricular Activities

## Organized Co-Curricular Activities

Academic Year	No. of FDPs	No. of Workshops	No. of Seminars
2013-14	2	2	8
2014-15	2	3	6
2015-16	2	10	10
2016-17	2	6	12
2017-18	2	8	12
2018-19	2	6	10
2019-20	1	8	8



# Co-Curricular Activities

## Attended Co-Curricular Activities

Academic Year	No. of Faculty Members Attended for FDPs	No. of Faculty Members Attended for Workshops	No. of Faculty Members Attended for Conferences
2015-16	3	2	2
2016-17	2	6	2
2017-18	4	2	2
2018-19	3	3	1
2019-20	2	3	1



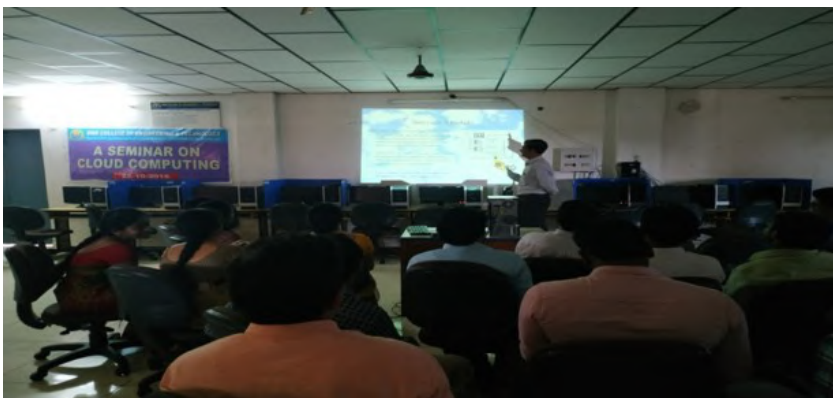
# Seminars and Workshops



**Workshop on Python Programming**



**Workshop on Big Computing**



**Seminar on Cloud Computing**



**FDP on Big Data**



# Professional Clubs





# Industrial Visits | 2018-2019

S.No.	Date	Place	No of Students Attended
1	30.01.2018	Vizag Steel Plant	76
2	11.02.2018	Radiant Technologies	72
3	05.02.2019	Vizag Steel Plant	70
4	08.03.2019	Open Logix Software Solutions	48





# Higher Education and Alumni

Higher Education	
Year	No. of Students
2012-2013	2
2013-2014	2
2014-2015	2
2015-2016	4
2016-2017	6
2017-2018	2
2018-2019	12
Total	30

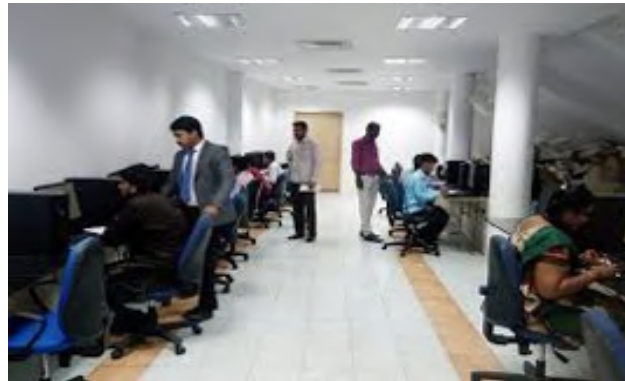
Alumni			
S.No.	Student Name	Company	Package in Lakhs
1	K. Kundana	Google	9
2	S. Sai Kumar	Micro Soft	8
3	M. Vinay Raj	Oracle Corporation	9
4	K. Suresh	MSS	8
5	K. Revathi	TCS	8
6	T. Padamaja	TCS	6
7	M. Phani Kumar	TCS	7
8	M. Venkat	Wipro	8
9	G. Rakhi Guptha	Infosys	5
10	V. Manikanta Karthik	CPQ Solutions	6



# Computer Labs



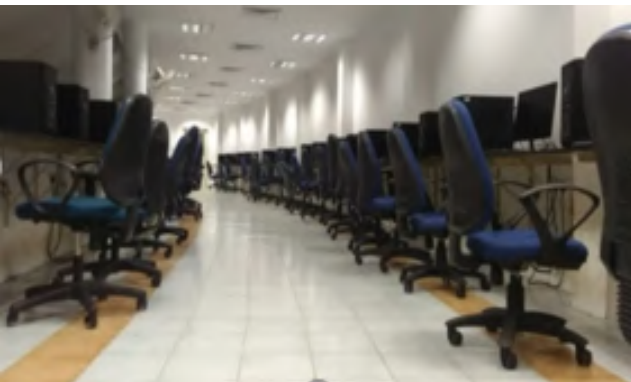
**C and C++ Lab**



**Weka and Hadoop Lab**



**Oracle Lab**



**Python and WT Lab**



**Java And Android Lab**



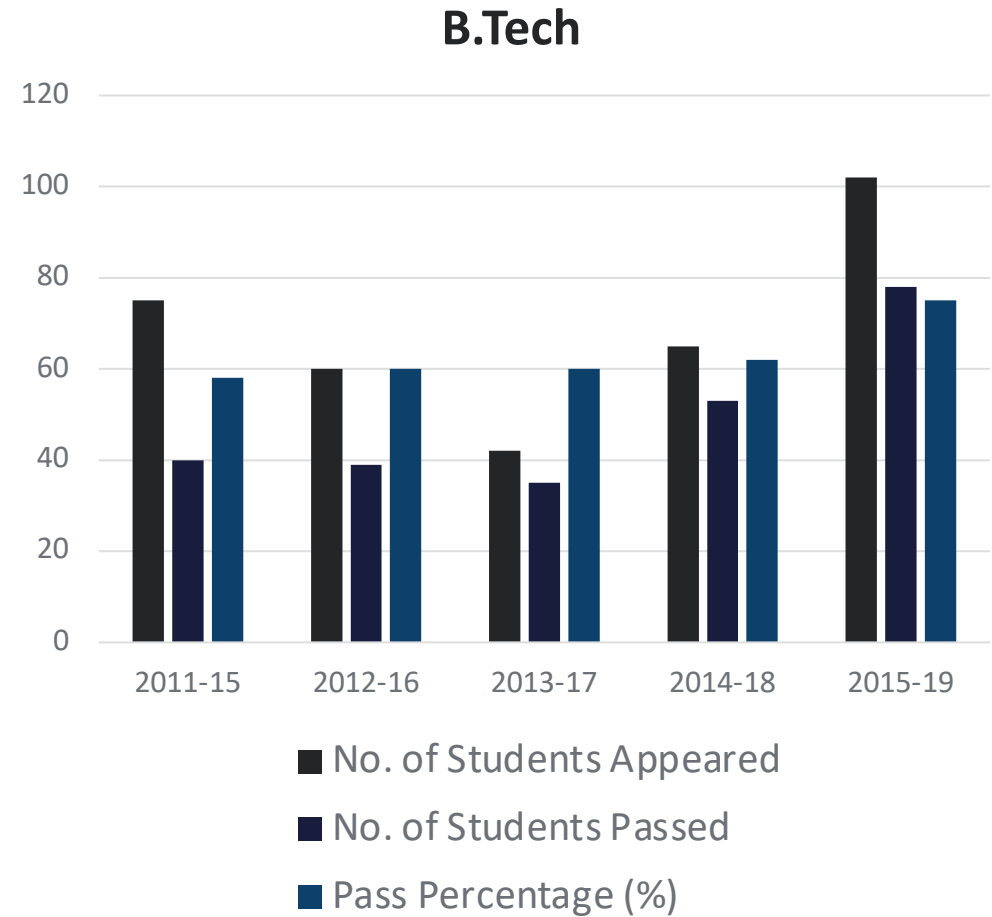
# List of Softwares

- Operating systems
  - Fedora version 16 (patty server)
  - Windows 7 for all labs
  - Windows 10 for digital library
- Oracle 10g and Oracle 11
- Rational rose version 2002
- Putty for server and client communication
- MS Office versions 2007 and 2010
- Turbo C++
- Eclipses
- Python 2.0
- Java 1.5/1.6/1.7
- Photoshop version 7



# B.Tech. Result Analysis

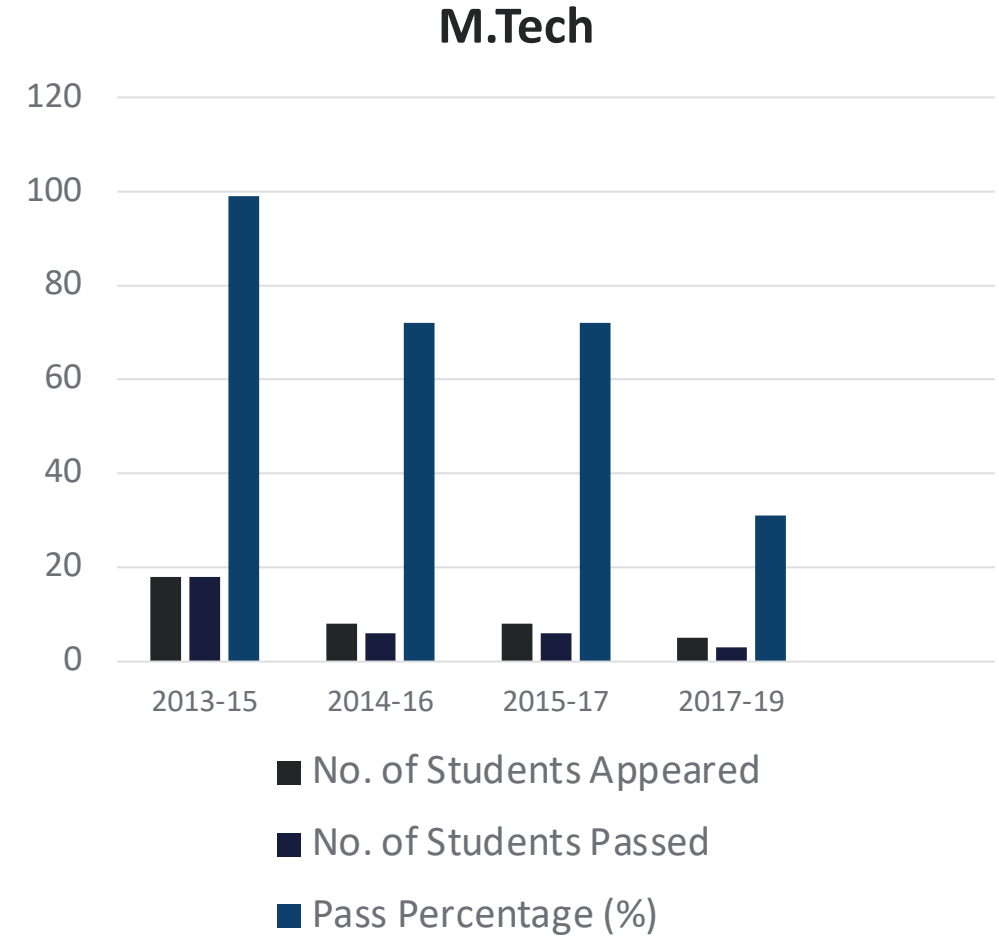
Batch	No. of Students Appeared	No. of Students Passed	Pass Percentage (%)
2011-15	73	43	58.90
2012-16	64	40	62.50
2013-17	48	31	64.58
2014-18	72	52	69.44
2015-19	107	78	72.89





# M.Tech. Result Analysis

Batch	No. of Students Appeared	No. of Students Passed	Pass Percentage (%)
2013-15	18	18	100
2014-16	8	6	75
2015-17	8	6	75
2017-19	3	1	33.33





# Academic Toppers

S.No	Batch	Name of the Student	Regd. No	Percentage(%)
1	2011-15	Ms. P. Vasundhura	116C1A0550	86.03
2	2012-16	Ms S.S. Prathyusha	126C1A0555	80.06
3	2013-17	Ms B. Vijayalaxmi	136C1A0506	82.98
4	2014- 18	Ms. K.K. Priyanka	146C1A0524	84.10
5	2015-19	Ms. M. Sri Lekha	156C1A0563	82.90
6	2016-20	NA	NA	NA



# Best Project of 2019-2020

Batch Number	Regd. No	Student Name	Project Title	Comments
1	166C1A0559	Pidugu Priyanka	<b>Home Automation using IOT</b>	Have been working on the model for the past 6 months and has brought the working model for their project. Real time model with online command receiving with google assistant has been shown effectively.
	166C1A0562	Rajamahendraravaru Bindu Madhuri		
	166C1A0561	Pothala Nandhini		
	166C1A0565	Rangoli Swathi		
2	166C1A0538	Kopparapu Anusha	<b>Facial Emotions Recognition using Machine Learning</b>	Real time working model has been developed. All the emotions of the user were accurately captured by the model with 95% accuracy.
	166C1A0576	Vemulakonda Gayathri		
	166C1A0520	Grandhi Sowmya		
	166C1A0569	Siram Kasi Visalakshi		
	166C1A0560	Pitta Ramesh		
3	166C1A0510	Chikkala Deekshitha	<b>Driver Drowsiness effect</b>	The Model developed has effectively recognized the drivers drowsiness and has given alert message.
	166C1A0548	Manne Sai Chaitanya		
	166C1A0524	Kosuru Harika		
	166C1A0554	Moka Venkatesh		



# Best Project of 2019-2020

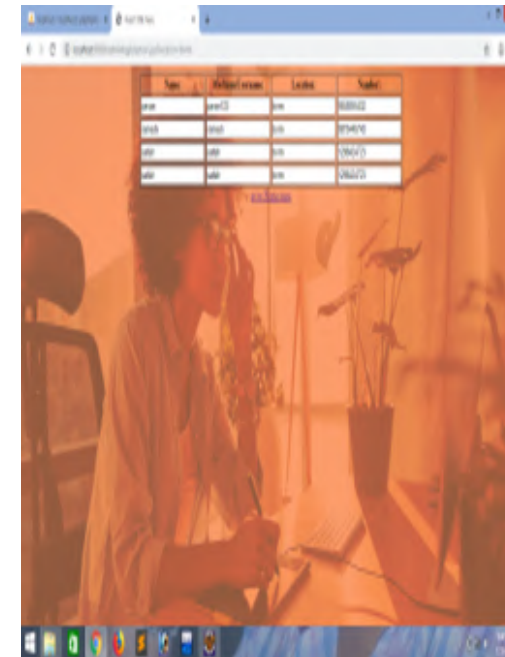
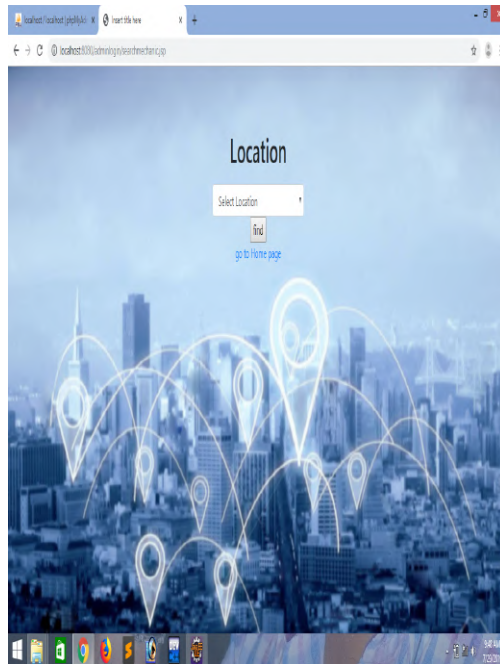
Batch Number	Regd. No	Student Name	Project Title	Comments
4	166C1A0508	Borada Sai Kumar	<b>A realibity analysis on social media text based comments using Machine Learning</b>	The Sentimental analysis of the social media text based comments have been classified with accuracy according to the message contents.
	166C1A0523	Jangum Sunmuka Srinivas Phanidhar		
	166C1A0542	Madaka Sri Sahithi		
	166C1A0571	Thoram Raja Naga Sai Sashank		
5	166C1A0550	Margana Bala Sasirekha	<b>Trust based privacy preserving photo sharing in online social media</b>	The photo sharing privacy was effectively shown in the model developed and has effectively given alert messages to the original owner of the photo whenever the his photo was misused by untrusted user.
	166C1A0535	Kondapu Yaswanth Reddy		
	166C1A0540	Kundrapu Sai Venugopal		
	166C1A0522	Gurana Naga Teja		





# Best Projects

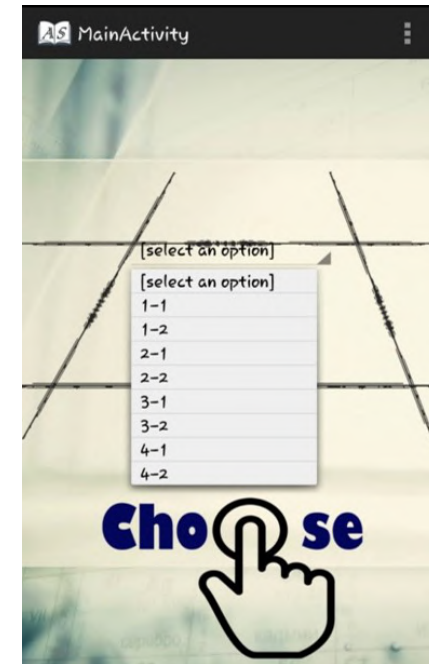
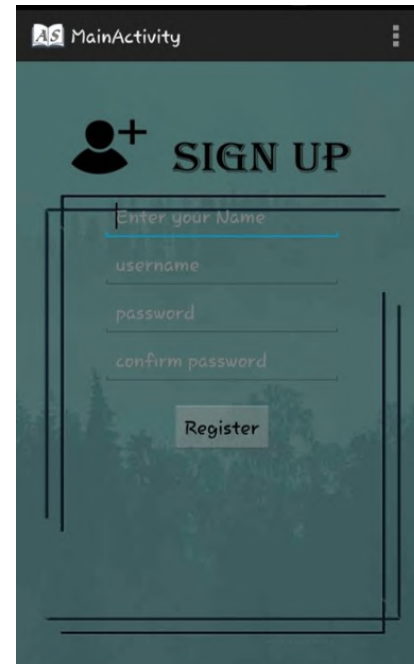
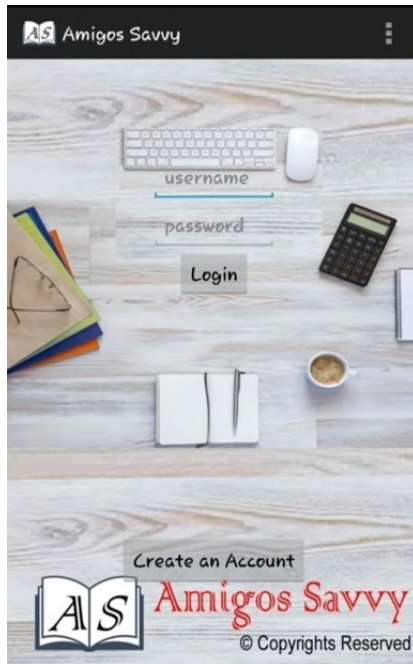
- **Project Title** - Life Savers
- **Description** - This mobile application allows users to find the medical shops present nearby them by providing their locations





# Best Projects

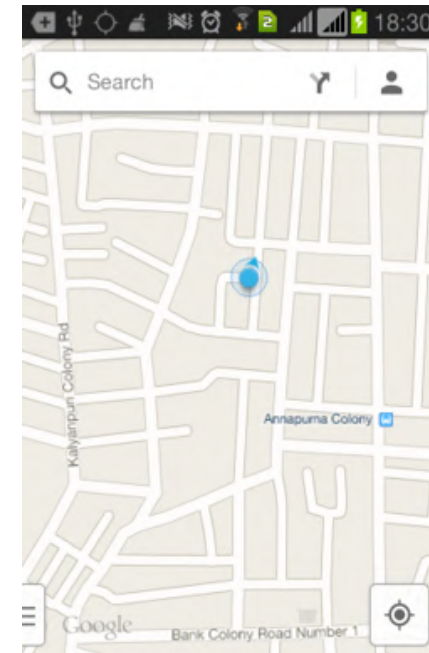
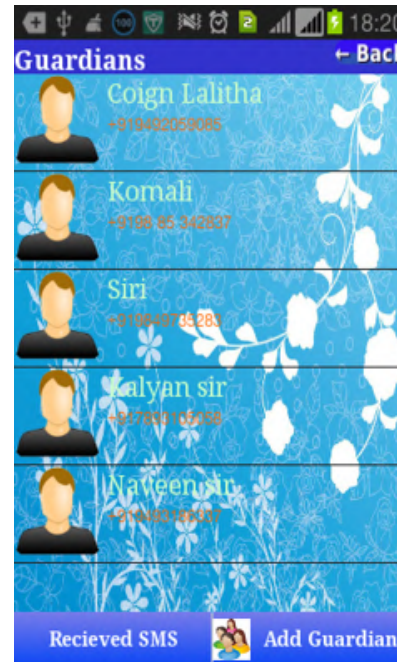
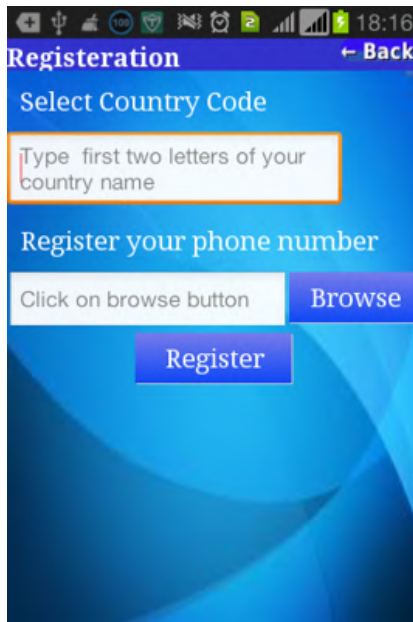
- **Project Title** - Amigos Savvy
- **Description** - This project provides benefits to the students by providing the academic course materials and tutorials to watch





# Best Projects

- **Project Title** - Blue Dog Application
- **Description** - This application provides registered users to send their locations through messages so that if the users are unable to lift the calls then a message is sent





# Digital Summit - A National Level Technical Event

**Digital Summit** is framed to bring experts, lecturers and students from all over India under one roof to discuss on the modern technology and changes being taken place in the computers and allied fields





# Student Achievements





# Student Achievements





# CSE Celebrations





# CSE Celebrations







# Sports





# Future Plans

- To go for NBA accreditation for our department
- To achieve 100% placements
- To achieve 100% results
- Adding new courses in both UG and PG
- All faculties should register in Ph.D.
- Encouraging the faculty for funding projects
- To be number one institute for computer science in A.P



# Consistency Matrix of PEOs with Mission

PEO Statement	Adapt to Industry	Higher Learning	Team Spirit	Self Learning	Leadership Qualities	Societal Needs	Environmental Concern
PEO1: Analyze, design and solve problems related to computer science and Engineering and adapt to changes in technology by self learning	3	3	-	3	-	-	-
PEO2: Work effectively as individuals and in a team, exhibiting leadership qualities to meet the goals of a project or the organization	3	-	3	-	3	-	-
PEO3: Work with professionalism and concern for environment to meet the social needs	2	3	-	2	-	3	3
PEO4: Engage in higher learning leading to degrees or certifications	3	3	-	2	-	-	-

# Thank You

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For more info please visit us at,

[miracle.edu.in](http://miracle.edu.in)



## Miracle Educational Society Group of Institutions