

# Hearty Welcome to **NAAC - Peer Team**

Department of Master of Computer  
Applications

**Satyanarayana Mummana**  
HOD and Professor  
Miracle Educational Society



**Miracle Educational Society  
Group of Institutions**

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



# About Us

- The department Master of Computer Applications (MCA) was established in the year 2009 with intake of 120
- Successful completion of 11 academic years
- The department has sophisticated computing facility with splendid computer labs with latest configuration systems
- Our MCA program has made reputation for themselves among the student community for a variety of reasons
  - Experienced faculty
  - Teaching learning methodology
  - Good infrastructure facilities
  - Seminar hall library
  - State-of-the-art computer center
  - Results of MCA batches
  - Catch the vision
  - Placement in software industry



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

## **Vision**

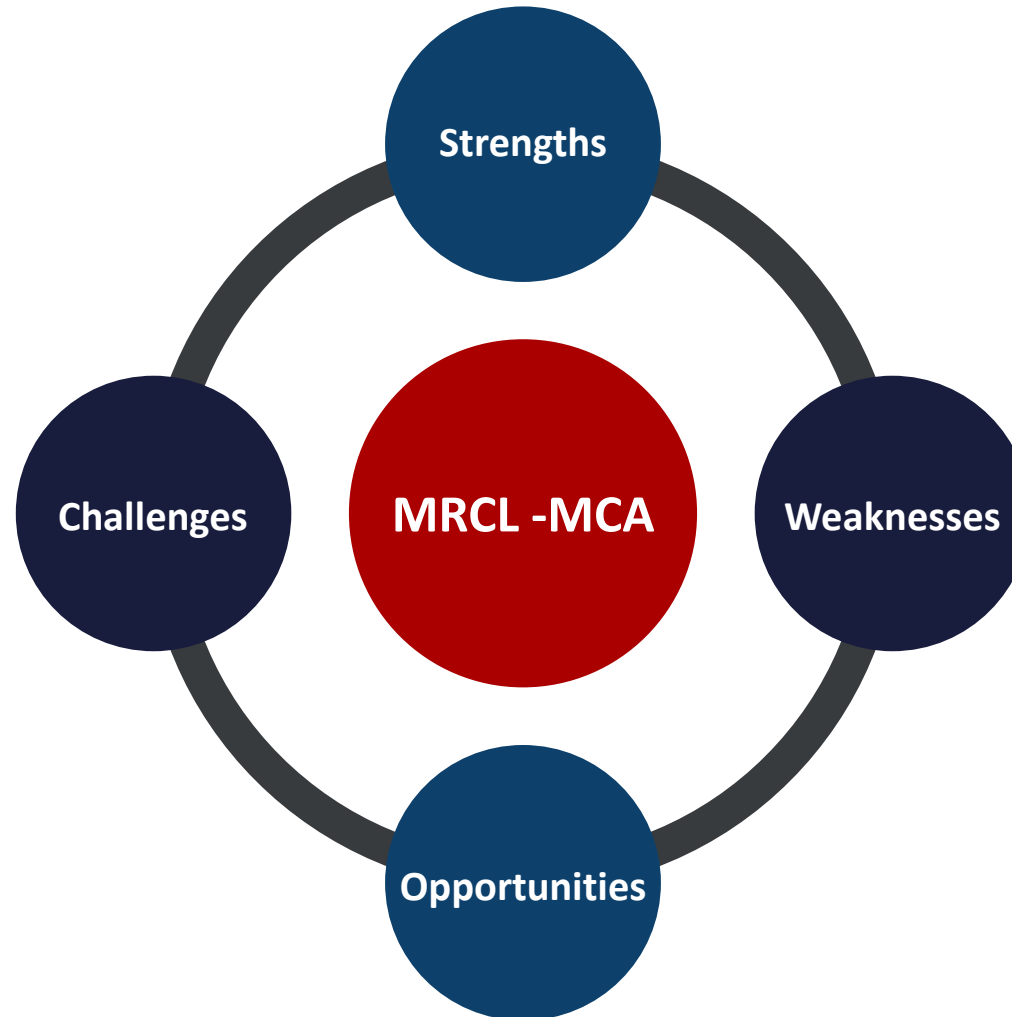
- To develop highly skilled professionals with ethics and human values

## **Mission**

- To encourage innovation and instill ethical practices
- 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 impart quality education with industrial exposure and professional training
- To exhort the spirit of professional beyond academic excellence



# SWOC







# Strengths and Weakness

## Strengths

- The department is enriched with dedicated, well qualified and experienced faculty
- Department has a good placement and academic record
- Department provides collaborative interaction of students with industry experts from our Miracle Software Systems
- The department arranges expert lecture by the eminent personalities
- Teaching and learning process is strengthened with regular oral and written feedback from students

## Weakness

- Poor communication skills of students at the entry level owing to their local/rural background living lest they are getting enough opportunities
- PG programs do not attract highly meritorious students



# Opportunities and Challenges

## Opportunities

- Strong alumni base who are working in national and international agencies willing to extend their unflinching support
- Introducing campus connect programmes
- Inculcating new innovations by the faculty in teaching and learning

## Challenges

- Input quality of the student
- Difficulty to attract and retain PhD candidate faculty particularly in the MCA disciplines
- Lack of interest among bright graduates to pursue research/teaching as career
- Steady decline in the rate of post graduate admissions



# Long Term and Short Term Goals

## Long Term Goals

- To offer consultancy to local industries and give hands on experience in the relevant areas to all students
- To Create a departmental center of research in specialized areas by involving a team of academic and industrialists of that area
- To transfer the technology to Rural masses by finding out solutions for real-time problems of various fields of engineering
- To be a model department in the college

## Short Term Goals

- To achieve 100% admissions and 100% pass percentage
- To enable maximum of post graduates to find immediate employment by imparting necessary skills and knowledge
- Inspire the students to become an entrepreneurs
- To conduct the workshops for non teaching staff for better understanding of latest technologies



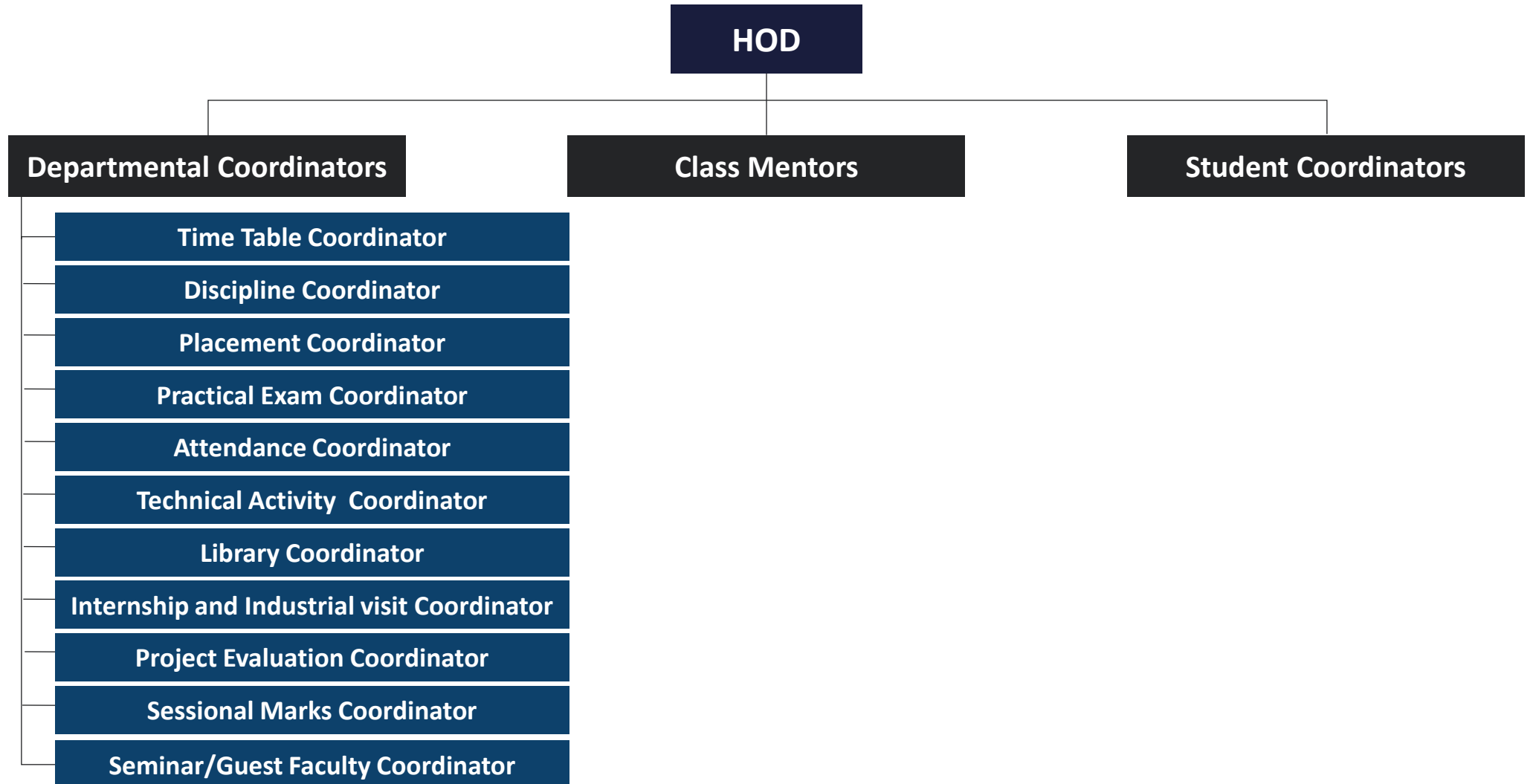
# Salient Features

- Industry experts participation in workshops/seminars
- High end computing facilities
- MoU with IT industries for placement with free academic projects and corporate training
- Industrial visits are regularly arranged
- Workshops and Seminars are organized regularly for faculty and students
- Network administrator and Website developing and maintenance are our MCA faculty members only





# Departmental Structure





# Attitude and Commitment of Teachers

**It is measured on the following parameters**

- Punctuality
- Innovations by the faculty in teaching and learning
- Effectiveness of teaching
- Involvement in administrative works
- Commitment in the additional duties
- Effort to grow technically and professionally
- Impart professional ethics and moral in students



# Faculty Strength Details

S.No	Designation	No. of Faculty
1	Professors	03
2	Associate Professors	04
3	Assistant Professors	17
4	Lab Technicians	03



# Faculty Details

S.No	Employee Name	Qualification	Designation
1	Dr. Satyanarayana Mummana	Professor and HOD	M.Tech (Ph.D)
2		Professor	M.Tech (Ph.D)
3		Professor	M.Tech (Ph.D)
4	Mr. P.S.V.D. Prasad	Associate Professor	MCA, MTech
5	Mrs. M.S.B. Deepthi	Associate Professor	MCA, MTech
6		Associate Professor	MCA, MTech
7		Associate Professor	MCA, MTech
8	Mr. S. Diwakar	Assistant Professor	MCA
9	Mr. Ramesh Karaka	Assistant Professor	MCA
10	Mr. K. Rajesh Kumar	Assistant Professor	MCA
11	Mr. M. Rajesh	Assistant Professor	MCA
12	Ms. Pushpa Madabattula	Assistant Professor	MCA



# Faculty Details

S.No	Employee Name	Qualification	Designation
13	Mr. Sriram Senapathi	Assistant Professor	MCA
14	Mr. V. Venkata Rao	Assistant Professor	MCA
15	Ms. Ramya Tikkanani	Assistant Professor	MCA
16	Mr. Guruswamy Sandhireddy	Assistant Professor	MCA
17	Mr. Upasana Das	Assistant Professor	MCA
18	Mr. Lakshman Thandra	Assistant Professor	MCA
19	Ms. Deepthi Palledu	Assistant Professor	MCA
20	Mr. Sateesh Vysyaraju	Assistant Professor	MCA
21	Mr. Kiran Teja Bhallamudi	Assistant Professor	MCA
22	Mr. Ramesh Yekula	Assistant Professor	MCA
23	Mr. Chaitanya Akula	Assistant Professor	MCA
24	Mr. Durga Gubbala	Assistant Professor	MCA



# Conferences/Seminars Organized by Faculty

Academic Year	Number of FDP's and Workshops Attended by Faculty	Number of FDPs Organized in Department
2016-2017	5	2
2017-2018	10	2
2018-2019	12	2
2019-2020	15	1





# Professional Society Memberships

S. No	Name	Memberships
1	Dr. Satyanarayana Mummana	IEI, MIBCB, ACM-CSTA, IEDRC, IAENG, IACSIT, ICSES
2	Mr. Prasad	MIBCB, IAENG
3	Mrs. M. S. B. Deepthi	MIBCB, IAENG, ICSES



# Teaching Learning Methodologies



**Tutorials**



**Assignments**



**Seminars**



**Practical**



**Projects/Dissertation**



# Teaching Learning Methodologies



**Interactive Classroom Sessions**



**Career Guidance and Remedial Classes**



**ICT Enabled E-learning**



**Expert Talks**



# New Innovations of Teaching Methodologies

Started from 2019-20 Academic Year for MCA Dept Students

S.No	Teaching Method	Type of Activity
1	Activity Based Teaching	Think Pair Share
		In Class Teams
		Collaborative Learning
		Flipped Class Room
		Group Writing Assignments
2	Videos	NPTEL, Courseara, Udemy, Animated Videos, YouTube Channel
3	Presentations	Seminars
4	Project Based	Micro Project
5	Tutorials	Concept Oriented Tutorial
6	Addon Skills	Hands on training



# Seminars and Group Writing Skills



Student Seminars



Group Writing Skills





# New Innovations of Teaching Methodologies

- <https://drsmummana.wixsite.com/deptofmca> - by Dr. Satyanarayana Mummana
- [drsmummana.webs.com](https://drsmummana.webs.com) - by Dr. Satyanarayana Mummana
- [https://www.youtube.com/channel/UCI4kOPKcD8\\_hrbUmDIPqhQ](https://www.youtube.com/channel/UCI4kOPKcD8_hrbUmDIPqhQ) - by Mr. S. Divakar (YouTube channel Jai Sri Ram Educational Channel)





# IQAC with MCA Department

- To improve the quality of teaching and infrastructure IQAC was established in the year of 2017 and there after IQAC will suggest departmental activities
- Every year IQAC will conduct the internal audit on the department activities
- As per the instructions form the IQAC, we will take the feedback from the students twice a semester
- We will evaluate the performance of the faculty based on teaching, feedback, results and involvement in the departmental duties
- Many of our faculty members working as conveners to many committees

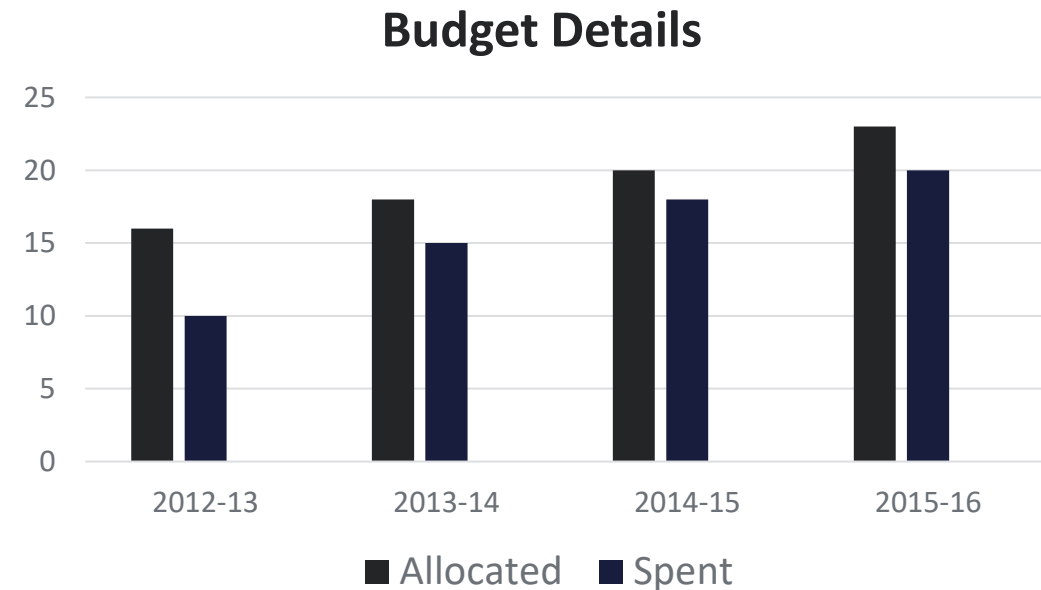


# Financial Resources

- Budget is no constraint to meet operational and maintenance expenditure
- Development budget will be approved as per the recommendations of DAC and CAC

Year	Allocated	Spent
2016-17		
2017-18		
2018-19		
2019-20		
2020-21		

**To be Updated**





# Physical Resources

- The Institution provides 24/7 Wi-Fi with high speed (156 MBPS)
- Adequate potable drinking water facility is available for students, staff and faculty at all common points
- First Aid kits are made available in the laboratories and department
- Fire extinguishers are provided at suspected points
- Intercom and LAN are made available
- Stand alone desktop computers are provided for faculty in the department
- Complaint and Suggestion box is placed at dept corridor available to students and faculty



# Infrastructure Facilities

S. No	Amenities	No
1	Class Rooms	03
2	E-Class Room	01
3	Staff Room	02
4	H.O.D Cabin	01
5	Laboratories: C Programming Lab, Data Structures Lab, OS Lab, OOPS Through Lab, UNIX Lab, DBMS Lab, CN Lab, Data Mining Lab, AJWT Lab, OOAD Lab, Python Programming Lab, BDA Lab, NP Lab	



# Infrastructure



**Computer  
Labs**



**e-class  
Room**



**Library**



**Peaceful  
Environment**



# Department Library

## Department Library Placed with

S. No	Description	Number
1	Volumes	100
2	Soft/Digital Copies (Journal Papers and Text Books)	250+
3	Journal papers/Conference papers (Hard Copy)	100+
4	NPTEL, Udemy, Coursera, MOOCS, etc. Courses (videos)	30



To be Finalized





# Students On-Rolls

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
I/III	13	6	30	0	6	*
II/III	27	13	5	44	41	6
III/III	30	27	13	5	44	41



# Result Analysis

Batch	No. of Students Appeared	No. of Students Passed	Pass Percentage
2014-15	15	13	86.6
2015-16	29	24	82.7
2016-17	27	22	75.86
2017-18	13	11	84.61
2018-19	5	5	100
2019-20	44		



# Students Achievements

## Academic Toppers

S. No	Batch	Name of the Student	Regd. No	Percentage(%)
1	2009-12	Kovvuri V Krishna Reddy	096C1F0007	85.33%
2	2010-13	Bhanu Prakash Gedela	106C1F0005	80.03%
3	2011-14	Venkatesh Gundu	116C1F0002	85.6%
4	2012-15	Regidi Siva Kesava Krishna	126C1F0010	82.7%
6	2013-16	Grandhi Sandhyarani	136C1F0008	82.4%
7	2014-17	Poliseti Sai Vani Prasanthi	146C1F0028	81.1%
8	2015-18	B. Sagar	156C1F0002	80.05%
9	2016-19	N. Sai Pooja	166C1F0004	83%
10	2017-20			



# Academic Toppers (2012-2019)



(2009 - 12) 85.3%  
K. V. Krishna Reddy  
096C1F0007



(2010 - 13) 80.3%  
G. Bhanu Prakash  
106C1F0005

(2011 - 14) 85.6%  
G. Venkatesh  
116C1F0002



(2012 - 15) 82.7%  
R. S. K. Krishna  
126C1F0010



(2013 - 16) 82.4%  
G. Sandhya Rani  
136C1F0008



(2014 - 17) 81.1%  
P. S. V. Prasanthi  
146C1F0028



(2015 - 18) 80.5%  
B. SAGAR  
156C1F0002



(2016 - 19) 83%  
N. SAI POOJA  
166C1F0004



# Student Achievements



Inter  
Departmental  
Overall  
Champions  
2019



Cricket  
Winners in  
College  
Anniversary  
2020







# Students Appreciation



**Principal, HOD and Dept  
Faculty Appreciating  
Students for their  
Achievements**





# Students Activities



**Galaxy of Smiles on College Anniversary  
Function in our MRCL Auditorium**



# Students Activities



**Farewell Day  
Celebrations 2020**



**2018 New Year  
Celebrations**



**2019 Freshers  
Day Celebrations**





# Our MCA Students Extra Curricular Activities



**Students at  
NSS**



**Event Managers  
CUP - MPL**



**Cricket Trophy  
Winners- 2020**



**Spangles'17 -  
Farewell Party**



# Co-curricular and Extra Curricular Activities



**Teachers Day Celebrations**



**Anniversary Celebrations**



**Mini Project Sessions**



**ZMPL Best Player**





# Teacher's Day Celebrations





# Memorandum of Understanding

MES has made Memorandum of Understanding with various IT and IT Training companies for the benefit of Department of MCA. They support for job training, Industrial visits, Mini-projects and Summer camps, Workshops with Industry experts, provides job opportunities. Here MSS plays a major role in Internships, Training and Placement as it is our sister concern organization.

- Miracle Software Systems
- IT Lokam Services
- CNE Pvt. Ltd
- Millenium Software Solutions Pvt. Ltd
- Radiant Technologies
- Datapro Computers Pvt. Ltd
- Technosoft Solutions
- Open Logix Software solutions Pvt. Ltd
- INV Technology Ltd
- TECH MEET
- Bench Mark Engineering solutions



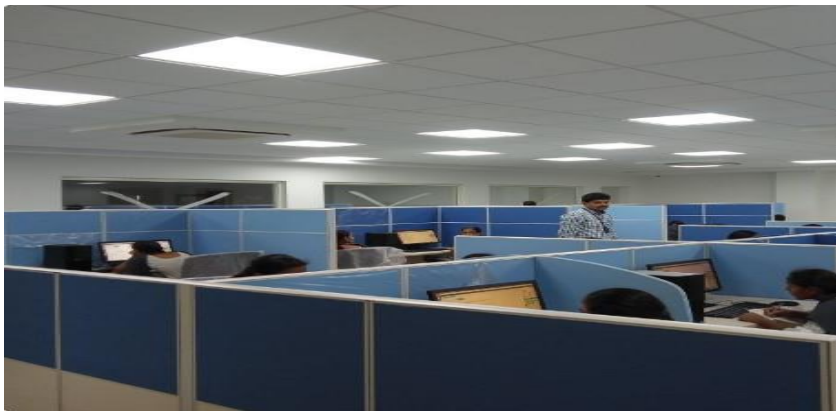


# Internships and Industrial Visits

S. No	Batch	Industry for Internships and visits
1	2012	Visakhapatnam Steel Plant, Miracle Software Systems
2	2013	Miracle Software Systems
3	2014	NSTL, Miracle Software Systems
4	2015	Technosoft, Miracle Software Systems
5	2016	Visakhapatnam Steel Plant, Tec Mahindra
6	2017	Miracle Software Solutions,
7	2018	Dr Reddy's Laboratories, MSS
8	2019	Miracle Software Solutions (Hill2, Vskp), PULSUS
9	2020	NA



# Industrial Visits







# Technical Events Organized

## Organized Co-Curricular Activities

Academic Year	Number of Workshops/Seminars
2014-15	3
2015-16	1
2016-17	2 + 1 (Digital Summit)
2017-18	2 + 1 (Digital Summit)
2018-19	2 + 1 (Digital Summit)



# Digital Summit Student Seminars and Workshops



Digital Summit 2K'19  
12<sup>th</sup> - 15<sup>th</sup> Dec, 2019



Digital Summit 2K'18  
12<sup>th</sup> - 15<sup>th</sup> Dec, 2018



Digital Summit 2K'17  
Hackathon Programme  
12<sup>th</sup> - 16<sup>th</sup> Dec, 2017



Digital Summit 2K'16,  
12<sup>th</sup> - 17<sup>th</sup> Dec, 2016



# Guest Lectures, Seminars and Workshops







# Guest Lectures, Seminars and Workshops



**Mobile Computing  
Seminar**



# Guest Lectures, Seminars and Workshops



**ABAP  
SEMINAR**



**Ethical Hacking  
Seminar**





# Guest Lectures, Seminars and Workshops



SOA  
Seminar



Android,  
C and DS  
Workshop







# Guest Lectures, Seminars and Workshops



ICSMCC



SIIMAD-2K13





# Job Opportunities for MRCL - MCA Students



Entrepreneur



Software Development



QA





# Job Opportunities for MRCL - MCA Students



**Research/Higher Education**



**Network and DB Management**



**Public Services/Government Jobs**



# Training and Placements

- The cell organizes certain orientation programmes, grooming sessions, mock interviews for MCA students
- Develops the student's corporate knowledge and soft skills to meet the corporate recruitment process
- Aiming to place maximum number of students through campus and pool-campus in the top notch companies
- Our Miracle Software Systems (MSS) gives the full support to training and placement team
- The department has relationship with reputed companies like

**MIRACLE**  
SOFTWARE SYSTEMS



**FACTSET**

**ORACLE®**

**airtel**

**Infosys**

**IBM®**

**genpact**

Local Focus. Global Reach.  
**Amzur**  
Technologies

**Google** Maps

**Tech**  
**Mahindra**



# Placement Details

Year	No. of Students Qualified for Campus Drives	No. of Students Selected	Percentage
2014-2015 (2012 Admitted Batch)	13	7	53.84%
2015-2016 (2013 Admitted Batch)	24	19	79.16%
2016-2017 (2014 Admitted Batch)	22	15	68.18%
2017-2018 (2015 Admitted Batch)	11	10	90.09%
2018-2019 (2016 Admitted Batch)	5	5	100%
2019-2020 (2017 Admitted Batch)	44	21*	



# Training and Placements



Miracle Software Systems  
Placement Drive  
Conducted on 11-02-2020



# Training and Placements





# Best Practices

- To improve the technical knowledge on current trends in the students we offering On Job Training(OJT) program
- Every year we the MES and MSS collaboratively organizing Digital Summit and Boot Camps to rejuvenate the students skill set
- The students organizes the inter and intra technical events under the student technical chapter “MARVELS”





# Press and Media



## విద్యార్థికి కమ్యూనికేషన్ స్కీల్స్

భోగాపురం: ప్రతి విద్యార్థి చదువుతో పాటు కమ్యూనికేషన్ స్కీల్స్ మెరుగుపరుచుకునే విధంగా కృషి చేయాలని ప్రొఫెసర్ హుస్సేన్ అన్నారు. మండలం మిరాకిల్ ఇంజనీరింగు కళాశాలలో సోమవారం కొత్తగా చేరే విద్యార్థులకు ఇంజనీరింగు విద్యపై అవగాహన కార్యక్రమం నిర్వహించారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ప్రతి ఒక్క ఇంటర్వ్యూలో విద్యార్థి ఎంత శాతం మార్కులతో ఉత్తీర్ణత సాధించారు అనే అంశాన్ని పక్కన పెట్టి విద్యార్థిలో నట్టెక్కుపై ఉన్న పట్టు ఎంత, మాట్లాడే విధానం, సమస్యను వివరించే విధానం ఇలా పలు అంశాలపై పరీక్షించడం జరుగుతుందన్నారు. విద్యార్థులు చదువు ఒక్కటి కాకుండా మన చుట్టూ ఉన్న అంశాలపై కూడా ప్రత్యేక శ్రద్ధ



### విద్యార్థులను అవగాహన విభాగాల అభివృద్ధి

పహించాలని అన్నారు. కంప్యూటర్ నాలెడ్జ్ ప్రతి విషయాన్ని గ్రహించాలి ఎంటీపి, ఎంసీపి, ఈసీక తులు చల్లా త్రినాథ్, ఓర్రి, శంకర్, పద్మజ పాల్ గాహన పరిచే విధంగా







# Press and Media

## సత్తా చూపించారు... ఉద్యోగాలు సాధించారు



**మిరాకిల్స్ టీ (భాగ్యపురం), మ్యాన్ టెంట్** కార్యక్రమంలో పాల్గొన్న విద్యార్థులు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.

మిరాకిల్స్ టీ (భాగ్యపురం), మ్యాన్ టెంట్ కార్యక్రమంలో పాల్గొన్న విద్యార్థులు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.

**సంతోషంగా ఉంది**  
ఉద్యోగం సాధించిన భారత మిరాకిల్స్ టీ (భాగ్యపురం) విద్యార్థులు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.

**అధ్యాపకుల ప్రశంసాపాత్ర**  
ప్రొఫెసర్లు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.

**చక్కని శిక్షణ ఇచ్చారు**  
కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.



## ప్రాంగణ ఎంపికల్లో 15మందికి ఉద్యోగాలు

మిరాకిల్స్ టీ (భాగ్యపురం), మ్యాన్ టెంట్: మండలంలోని మిరాకిల్ ఇంజనీరింగ్ కళాశాలలో నిర్వహించిన ప్రాంగణ ఎంపికల్లో 15 మంది విద్యార్థులు ఉద్యోగాలకు ఎంపికయ్యారు. ఇటీవల హైదరాబాదుకు చెందిన మైండ్ సాఫ్ట్ ఐటీ సొల్యూషన్స్ అనే సంస్థ ప్రాంగణ ఎంపికలు నిర్వహించింది. ఎం.సి.ఎ. విభాగానికి చెందిన విద్యార్థులు ఇందులో పాల్గొన్నారు. వీరిలో 15మంది ఎంపికయ్యారని ఆసంస్థ ప్రతినిధి రాజేష్ తెలిపారు. దేశంలోని వివిధ ప్రధాన నగరాల్లో ఉన్న సంస్థలో వీరికి ఉద్యోగాలు ఇవ్వడం ఆరుగురుతుందని తెలిపారు. ఎంపికైన విద్యార్థులను కళాశాల చైర్మన్ ప్రసాద్ లోకం, కార్యదర్శి ఆర్జునరావు, హెచ్.ఐ.డి.ఎం. శంకరరావు, ప్రేమ్మెంటు అధికారి రాజేష్ కుమార్, అధ్యాపకులు మరియు విద్యార్థులు ఆహ్వానించారు.

ప్రాంగణ ఎంపికల్లో ఉద్యోగాలకు ఎంపికైన విద్యార్థులు

## కంప్యూటర్ టాకాసే సాంకేతిక రంగం అభివృద్ధి



మిరాకిల్స్ టీ (భాగ్యపురం) విద్యార్థులు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.

**అభ్యాసకర్తల సాఫ్ట్వేర్ మెథడాలజీస్ పర్యవేక్ష**  
భాగ్యపురం భారత మిరాకిల్స్ టీ (భాగ్యపురం) విద్యార్థులు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.

భాగ్యపురం విద్యార్థులు మరియు కార్యకర్తలతో కలిసి సాధించిన విజయాలను సంతోషంతో పంచుకుంటున్న విద్యార్థులు.





# Future Scope

- Identify gaps in curriculum and make a mechanism to bridge these gaps
- Motivation for self education and life-long learning
- Inculcate new innovations in improving the teaching learning
- Dept has to improve in research, innovations and extension
- Need to update infrastructure and learning resources
- Imparts social responsibility among students and staff

# Thank You

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