TECH BEVY | 2019–20

ANNUAL COLLEGE MAGAZINE
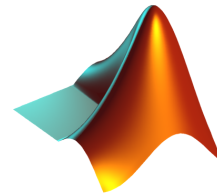
Department of computer science and engineering

TechBevy

METHODIST

COLLEGE OF
ENGINEERING & TECHNOLOGY

O.U.
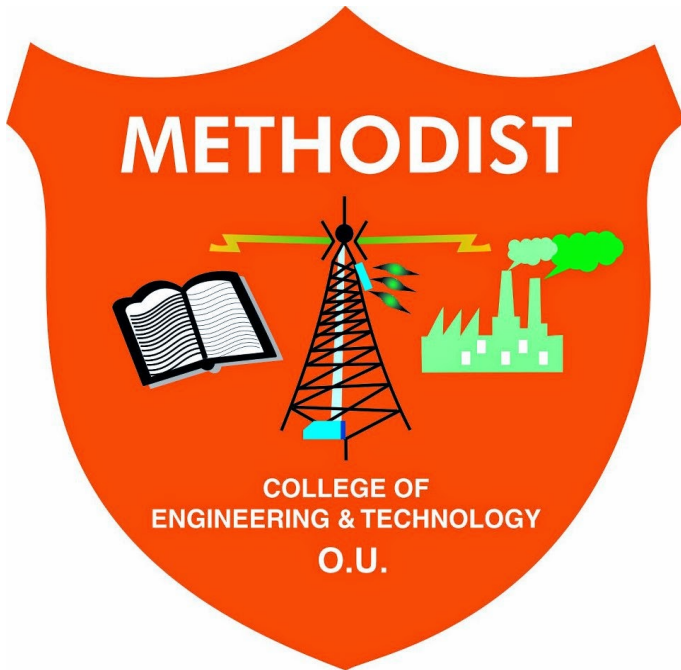
" Tomorrow's **technology** through todays education "

DELL EMC

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INDIAN SOCIETY FOR TECHNICAL EDUCATION
ISTE

NASA
INTERNATIONAL
SPACE APPS
CHALLENGE

ICTACADEMY

Contents

About
the
College

Methodist College of Engineering & Technology is a Non-Minority Educational institution, established in the year 2008, over 6.53 acre sprawling campus, situated at Abids, in the heart of the city of pearls, Hyderabad (Capital city of Telangana state). The college is well connected by public transport from every corner of the city. MCET is affiliated to Osmania University at the state level and with AICTE in the Central level.

Methodist College of Engineering and Technology strives towards excellence by imparting essential technical skills as well as a holistic approach towards grooming the students into responsible, worthy citizens of the future.

Life in Methodist is not just limited to the classroom-teaching, but spins beyond the textbooks to develop character and thus mould total the personality of the students to carve a niche for themselves in the society.

The ultimate goal of the Methodist College of Engineering and Technology is to educate and graduate individuals who possess the technical and social competence and confidence to succeed in professional practice and advanced education, to be lifelong learners, and to exercise responsible citizenship.

About
the
Department

The **Deptartment** was established in the year **2008** with an intake of 60 and subsequently enhanced to 120 in 2010. The present student strength is 300+ and faculty strength is 29. The department constitutes a group of energetic, experienced and well qualified faculty from industry and academia. The department houses state-of-the laboratories providing hands-on training and thus encouraging them to build major and minor projects. The alumni of the department are well placed in core companies and MNCs.

The **department** instils quality education with holistic development. The students are encouraged to train and update their technical skills through various in-house trainings, knowledge transfer workshops, value added courses and project exhibitions. They are motivated to improve their communication & written skills through special trainings, to participate in extra-curricular activities, sports etc. The students are continuously evaluated through internals and quizzes. The slow learners are monitored with much more care and hence are uplifted towards betterment.

The department **emphasizes** a student - centric and friendly learning environment by systematically balancing academics and activities. The Faculties and students always work in tandem in organizing the various college level activities and technical fests. The relentless efforts of the faculty have helped the department in earning a good name & fame in a short span of time.

Vision & Mission

OUR VISION

To become a leader in providing Computer Science and Engineering education with emphasis on knowledge and innovation.

OUR MISSION

To offer flexible programs of study with collaborations to suit industry needs.

To provide quality education and training through novel pedagogical practices.

To expedite high performance of excellence in teaching, research and innovations.

To impart moral, ethical values and education with social responsibility.

Glimpses of the Year 2019-20

1. Achievements

- Dr. Lavanya Pamulaparty awarded **Ph. D** in Computer Science & Engineering from Jawaharlal Nehru Technological University, Hyderabad (JNTUH) , on 18-01-2020

- The department has setup **SWAYAM - NPTEL** local chapter in collaboration with MHRD, Govt of India.

- Dr. Lavanya Pamulaparty is **SPOC** (Single Point Of Contact) for SWAYAM- NPTEL local chapter.

- Mrs. K. Shailaja achieved topper of 1% in the course "**Problem solving in Programming in C**" sponsored by SWAYAM - NPTEL in collaboration with MHRD, Govt of India.

- The following faculty awarded as **EMC Academic Associate ,Data Science** and **Big Data Analytics.**
  1. Dr. Lavanya Pamulaparty
  2. Mr. P V Ramanaiah
  3. Mrs. Vithala Sailaja
  4. Mrs.Chada Sravanthi
  5. Mr.T Praveen Kumar
  6. Mrs.Unnati Khanapurkar
  7. Mr.D Rajashekar
  8. Mr.Sandeep Ravikanti
  9. Mr.Lingala Thirupathi
  10. 10.Mrs.Sowjanya Balaga

- The **MOUs** of the Departments

S. No	Name of Organization	Location
1.	Centre of Academic Excellence (Dell EMC)	Hyderabad
2.	Cisco Networking Academy (CISCO)	Hyderabad
3.	Oracle Workforce Development (OWFD)	Hyderabad
4.	Computer Society of India (CSI)	Hyderabad
5.	ICT Academy (ICT)	Chennai
6.	Spoken Tutorials (IIT Mumbai)	Mumbai
7.	Telangana Academy for Skill and Knowledge	Hyderabad

2. <u>Paper Publications by Faculty</u>

- Dr. Vuppu Padmakar along with Dr B V Ramana Murthy published paper on "**Automated Rain water harvesting system**" in ICCES 2019, 10th Aug 2019 with index No. UGC/ Scopus"978-1-5386-4765-3.

- Dr. Vuppu Padmakar published paper on "**Artificial Neural Network Based Shafts Surface Pressures Analysis**" in International Journal of Recent Technology and Engineering (IJRTE) Scopus Indexed Journal ISSN: 2277-3878, Vol.8 Issue 62019-2020

- Dr. Vuppu Padmakar published paper on "**Experiment of Deep Learning Computational Intelligence Magazine Speech Recognition**" in International Journal of Recent Technology and Engineering (IJRTE) Scopus Indexed Journal, with ISSN: 2277-3878 Vol.8 Issue 6.

- Dr. Vuppu Padmakar published paper on "Empirical Analysis of Function Point Analysis-Prior to the product development" in Springer Signal, Image, Video Processing SCI Indexed Journal, ISSN 1863-1711.

- Dr. Vuppu Padmakar published paper on "Algorithms and Applications of Machine Learning", in International Journal of Engineering Research & Technology UGC Care Journal Group II ISSN 2278-0181.

- Mrs. K. Shailaja, along with Dr P. V.Kumar, Dr S. Durga Bhavani published a paper on "Review of Contemporary Literature on Distributed-RDF Query Optimization Techniques" in International Journal of Research with ISSN number 2236-6124

- Mrs. K. Shailaja published a paper on "A Compherensive study on online Product Quantization with Budget Constraints" in International Journal of Research ISSN NO:2236-6124

3. <u>Workshops and Seminars Organised</u>

- The department organised a 24 Hour Hackathon "**NASA Space App Challenge 2019"** from 14th to 15th September 2019 at Methodist College of Engineering and Technology

- The Department organised a Five day Faculty Development Programme on "**Data Science and Big Data Analytics**" for CSE faculty of MCET and other colleges of twin cities, from 26th to 30th August, 2019.

- Department of CSE organised a two day workshop on "**Web Development using PHP & MySQL**" on 22nd and 23rd March 2019.

- Department of CSE organised a one day workshop on "**Introduction to Python**" on 02 AUG 2019, for CSE III Semester students.

- Department of CSE organised a one day workshop on "**Introduction to MAT Lab**" on 23rd October 2019.

- **CSI Student Branch** inauguration on 4th Sep 2019.

- A Seminar was organized for faculty on **SUSHI** : A Linux based operating system on 25th Jan 2020

- **Moodle** - Open source learning platform with moodle.methodist.edu.in is launched for ICT enabled education.

- Mr. Sandeep was faculty Coordinator for A one Day Workshop On "**Python Introduction**" In Collaboration with Activation Functions, T-Hub, IIIT Hyderabad on 02 AUG 2019.

- Mr. Sandeep was faculty Coordinator for A one Day Workshop On "**Introduction to MATLAB**" on 23 rd October,2019 CSE,MCET

4. <u>Faculty Excellence</u>

- Mr T Praveen Kumar is **SPOC** (Single Point Of Contact) for **Spoken Tutorial** , IIT Bombay

- Mr L Thirupati is **SPOC** (Single Point Of Contact) for **Sales Force** ,TASK , Telangana

- Mrs. K. Shailaja completed the course on "**Programming Data structures and Algorithms using Python**" sponsored by SWAYAM – NPTEL in collaboration with MHRD, Govt of India, on 27th September,2019

- Mrs. C.Sravanthi completed the course on **Programming in Java** on 17th November 2019 sponsored by SWAYAM – NPTEL in collaboration with MHRD, Govt of India.

- Mrs. C.Sravanthi completed the course on **Data science** for Engineers Jan – Apr 2020 sponsored by SWAYAM – NPTEL in collaboration with MHRD, Govt of India.

- ADULAPURAM PRASHANTH completed the course on **Data science** for Engineers Jan – Apr 2020 with ELITE Certification sponsored by SWAYAM – NPTEL in collaboration with MHRD, Govt of India.

- Mr A Rajesh completed the course on **Compiler Design** Jan – Apr 2020 sponsored by SWAYAM – NPTEL in collaboration with MHRD, Govt of India.

- Mr. L. Thirupathi, completed **CISCO Networking Academy** course CCNAv7:Bridging on 16–01–2020.

- Mr T Praveen Kumar established **Moodle – Open** source learning platform with moodle.methodist.edu.in.

- Mr. R. Sandeep participated in 5 day Faculty development program on "**Data Science and Big Data Analytics**" conducted by ICT Academy on 26/08/2019 to 30/08/2019 at Methodist College of Engineering and Technology, Abids

- Mr. R. Sandeep was Faculty coordinator for **NASA Space App Challenge** (24 hrs Hackathon) organised by department of CSE at D block,Seminar hall MCET.

- Mr. R. Sandeep was Faculty coordinator for **NASA Space App Challenge** (48 hrs Hackathon) organised at Delhi from 18 th to 20 th of October 2019, 91Spring Board, C2, Sector 1, Block – C, Sector – 1, Noida.

- Mr. R. Sandeep was faculty trainer for **Internet of Things(IoT)** for CSE A III SEM students under CBEC Program.

- Mr. R. Sandeep successfully completed and received certificate on "**Arduino Workshop**" from udemy on May 20 2019.

- Mr. R. Sandeep successfully completed and received certificate from Udemy on "**How To Build A Website Using Wordpress**" on May 14 2019.

- Mr. R. Sandeep successfully completed and received certificate from Udemy on "**Website Creation With Free Domain And Hosting**" on May 13 2019.

- Mr. R. Sandeep was Session Chair for THE **NATIONAL LEVEL TECHNICAL SYMPOSIUM FUSION** 2020 ROBO MANIA event organised by MVSR,Nadurgul on Feb 13 2020.

- Mr. R. Sandeep Attended one day workshop on "**Cyber Security Fundamentals**" on OCT 25th ,2019 at Department of CSE,UCOE,OU,HYD.

- Mr. R. Sandeep was **Faculty coordinator** Fusion 2020 technical quiz for CSE IV A & B section students at E-block, CSE, MCET on Feb 7 2020.

- Mr. R. Sandeep successfully obtained a certificate in "**Coronavirus-What you need to know?**" from Alison, Ireland on 5th March 2020.

- Mr. R. Sandeep was Project guide for "**Gas Rover Visual Mapping Exploration Rover**" winning title organised by MVSR,IEEE SB at annual technical symposium(TECHNOVANZA) on March 3rd and 4th,2020, MVSR, Nadurgul.

- Mr. R. Sandeep was project guide for winning title "**Lunar dust combating rover on moon**" organised by MVSR,CSI SB A National Level Technical Symposium(FUSION 2020) on 12th and 13th Feb,2020 ,MVSR,Nadurgul.

- Mr. R. Sandeep was CODE-A-THON (24rs) Hackathon -Project guide for winning title "**Making Websites Meaning For Differently Abled Citizens With Open Source Tools**" organised by MVSR,CSI SB a National Level Technical Symposium(FUSION 2020) on 12th and 13th Feb,2020 ,MVSR,Nadurgul.

- Mr. R. Sandeep Guided 2 projects for **CISCO** Task Innovation 2020 (Project development program) with the titles 1.Lunar dust combating rover on moon 2.GRVM-E organised by TASK in collaboration with CISCO.

- Mr. R. Sandeep Professional Membership for **IAOP**-Associate Member-(74971).

- Mr. R. Sandeep Professional Membership from **Teaching and Education Research Association (TERA)**-LM19658IAENG- ID-255012

5. Conferences / Workshops attended by Faculty

- Dr P Lavanya & Mrs. V. Sailaja attended "**Bridge'19** Fostering India for Industry 4.0" conducted by ICT Academy at Marigold Hotel, Hyderabad on 16th October 2019.

- Dr P Lavanya & Mr T Praveen Kumar attended AICTE Sponsored Two-Week Faculty Development Program on "**Big Data Analytics by using Python and Hadoop**" from 20th Jan to 1st Feb 2020 , organized by Dept of CSE ,Tirumala Engineering College , Bogarm , Hyderabad

- Mr L Thirupathi & Mr A Rajesh attended AICTE Sponsored Two-Week Faculty Development Program on "**Emerging Threats and Counter Measures in Information Security**" from 10th Feb to 22nd Feb 2020 , organized by Dept of CSE ,Nalla MAlla Reddy Engineering College , Ghatkesar, Hyderabad

- Mr. D. Rajashekhar attended a two day workshop on "**Data Science & Deep Learning**" on July 22nd and 23rd 2019 at JNTU School of Information Technology.

- Mr. D. Rajashekhar attended two weeks FDP on "**Domain specific IOT and Illustration of IOT design using Case studies**" at KITS ,Warangal from ja 9th to 21st January 2020.

- The Faculty members of **CSE** department Dr. P. Lavanya, Dr. V. Padmakar, Mrs. V. Sailaja, Mrs. E Shailaja, Mr. T Praveen Kumar, Mr. D Rajaskekar, Mr. P V Ramanaiah, Mrs. G Saritha, Mr.R Sandeep, Mrs. B Sowjanya,   Mrs. Unnati, Mr. L Tirupathi, Mr. K.Kishore Kumar, Mrs. P.M.Tulasi, Mr. A.Rajesh, Mr. Uday Kumar, Mr. Krishnamuthy, and Mrs. Shravanthi attended a five day FDP on" **in association with ICT Academy** from 26-08-2019 to 30-08-2019 at Methodist College of Engineering and Technology.

- Mr.R.Sandeep participated in a Two Day all India seminar on "Cyber Security and Image Processing" held on August 10-11,2019 at the Institution of Engineers (India),"**Visvesvaraya Bhavan**", Kariatabad, Hyderbad, 500004 .

- Mr.R.Sandeep participated in a One Day all India seminar on "**Air Pollution And Its Impact On Safety And Health At Work**" held on 30th March 2019 at the Institution of Engineers (India), "Visvesvaraya Bhavan", Kariatabad, Hyderbad, 500004

6. Student Achievements

6.1 Industrial Visits/Internships

S.No	Title of the Event	Name of the Organizations	Duration (From - To)	Nature of Participation
1.	Industrial Visit	TCS, Mahdapur, Hyderabad	18-12-2019	Student Exchange
2.	Industrial Visit	Tech Mahendra Hitech City , Hyderabad	16-03-2019	Student Exchange
3.	Internship	R.C.I , VIGNAN KANCHA, HYDERABAD	03-06-2019 to 02-07-2019	Student Exchange
4.	Industrial Visit	Latest technologies of Oracle by AIOUG	18-03-2019 to 18-03-2019	Student Exchange

6.2 Placements Data

Company Name : TCS			Salary : 3.36 LPA
S.No	**Name**	**Roll No.**	**Year / Sec**
1.	Mohd Irshad Mukkaram	160716733038	CSE - 4A
2.	Abdul Mutakabbir	160716733007	CSE - 4A
3.	Akkiraji Sri Pragna	160716733005	CSE - 4A
4.	Nagubandi Sai Dhatri	160716733012	CSE - 4A
5.	Tigulla Vaishnaavi Goud	160716733048	CSE - 4A
Company Name : Zensar			**Salary : 3.2 LPA**
1.	Abdul Mutakabbir	160716733007	CSE - 4A
Company Name : Prolifics			**Salary : 2.4 LPA**
1.	Abdul Mutakabbir	160716733007	CSE - 4A
Company Name : Hitachi Consulting			**Salary : 6.5 LPA**
	Abdul Mutakabbir	160716733007	CSE - 4A

Company Name : **TA Digital**			Salary : **4.8–5.8LPA**
1.	P Ajay Shyam	160716733065	CSE – 4B
Company Name : **Value Momentum**			Salary : **3.6 LPA**
1.	V.Sucharitha Reddy	160716733021	CSE – 4A
2.	P Ajay Shyam	160716733065	CSE – 4B
Company Name : **Infosys**			Salary : **3.6 LPA**
1.	Vakiti Sravya Reddy	160716733030	CSE – 4A
2.	Akkiraju Sri Pragna	160716733005	CSE – 4A
Company Name : **CISCO**			Salary : **7.2 LPA**
1.	N. Sai Dhatri	160716733012	CSE – 4A
Company Name : **Artech**			Salary : **2.8 LPA**
1.	V. Tejaswini	160716733001	CSE – 4A
2.	K. Manasa	160716733011	CSE – 4A
3.	M. Venkatesh kumar	160716733301	CSE – 4B
4.	E. Bhargav	160716733017	CSE – 4A
5.	E. Ajay kumar	160716733067	CSE – 4A
Company Name : **Amazon**			Salary : **2.8 LPA**
1.	T. Laxmi Gayatri	160716733015	CSE – 4A
2.	Md.Safi Ahmed Shareef	160716733019	CSE – 4A
3.	Md. Salman Hyder	160714733098	CSE – 4B
4.	Ms. Padala Sreya	160716733047	CSE – 4A
Company Name : **Mindtree**			Salary : **3.5 LPA**
1.	N. Sai Dhatri	160716733012	CSE – 4A
Company Name : **Extramarks**			Salary : **4 LPA**
1.	A V A Karthik Sharma	160715733039	CSE – 4A
Company Name : **JustDial**			Salary : **1.83 LPA**
1.	Mohankumar Padhi	160716733002	CSE – 4A

Company Name : Qspiders			Salary : 3.5 LPA
1.	B. Sunny	160716733040	CSE – 4A
2.	Rishitha D	160716733024	CSE – 4A
3.	Sai Aniketh Gunda	160716733115	CSE – 4B
4.	Saba Tarannum	160716733052	CSE – 4A

6.2 Participation in Inter-Institute Events

S.No	Student Name	Name Of The Event	Place of the Event	Date	Certificate
1.	T Eshwar	Project Expo , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
2.	Yerra Swetha	Project Expo , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
3.	Singarapu Sahithi	Project Expo , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
4.	Ananthula Sanjanaa	Project Expo , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
5.	Mohammed Nizamuddin Khan	MAD ADS , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
6.	D Likitha Rani	MAD ADS , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
7.	Narkuda Pooja	MAD ADS , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
8.	Chintala Harika	MAD ADS , Infinity 2020	OUCE , Osmania University	3/13/2020 & 3/14/2020	Participation
9.	Chilukuri Rishi Kumar	Fusion 2020 CSI	MVSR engineering college	2/25/2020	Participation

S.No	Student Name	Name Of The Event	Place of the Event	Date	Certificate
10.	Tejasri Surthi	Turing cup	VNR VJIET	2/22/2020	Merit
11.	Hemanth Ambati	CSI Fusion 2020	MVSR college	2/13/2020	Participation
12.	D Kedar Singh	Fusion 2020	MVSR college	2/13/2020	Merit
13.	Mohammed Ali Zain	Fusion 2020	MVSR college	2/13/2020	Participation
14.	K. Jagadeeshwar Reddy	Tech Quiz, Fusion 2020	MVSR college	2/13/2020	Merit
15.	Mohammad Abdul Imad	Fusion 2020	MVSR college	2/13/2020	Participation
16.	Zain Shafi Mohammed	Fusion 2020	MVSR college	2/13/2020	Participation
17.	Spoorthi S	Fusion 2020	MVSR college	2/13/2020	Participation
18.	Waseemunnisa	Fusion 2020	MVSR college	2/13/2020	Participation
19.	P Rishik Reddy	Fusion 2020	MVSR college	2/13/2020	Participation
20.	Pidugu Jahnavi	Fusion 2020	MVSR college	2/13/2020	Participation
21.	Thotakura Eswar	IOT 2020 Challenge	Stanley College of Engineering and Technology	02-08-2020	Merit and participation
22.	Ananthula Sanjanaa	IOT 2020 Challenge	Stanley College of Engineering and Technology	02-08-2020	Merit and participation
23.	Kotari Venkata	E-Summit 2020	IIT Hyderabad	1/18/2020	Participation
24.	P. Ajay Shyam	ICMA	Marriott Convention Centre Hyderabad	11-05-2019	Participation
25.	Isaac Abhinai Seshadry	ICMA	Marriott Convention Centre Hyderabad	11-05-2019	Participation

S.No	Student Name	Name Of The Event	Place of the Event	Date	Certificate
26.	Mohammad Nizamuddin Khan	MySQL workshop at CSI Hyderabad	Secundrabad	11-02-2019	Participation
27.	Amitabh Kotha	MySQL workshop at CSI Hyderabad	Secundrabad	11-02-2019	Participation
28.	M Srinivas Hrishikesh	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
29.	Mohammed Adnan	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
30.	Abdul Moid Khan	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
31.	RaviTeja Prattipati	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
32.	Gursimar Singh	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
33.	Jahnavi Vulli	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
34.	Muchinthala Vaishnavi	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
35.	Sreenandini	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
36..	Akkiraju Sri Pragna	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
37.	Bodameedi Sunny	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
38.	Bodameedi Sunny	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation
39.	Abdul Mutakabbir	NASA Space Apps Challenge 2019	Springboard, Noida, Delhi	10-18-2019	Participation

6.3 <u>Value Added Courses</u>

- **FOSSE** (Free and Open Source Software) , **Spoken Tutorial** , IIT Bombay

S.No	Semester Start Date	Software Course	Department	Batch Year	Department
1.	Jan. 6, 2020	C and CPP	CSE	2019	89
2.	Jan. 6, 2020	Java	CSE	2018	83
3.	Jan. 6, 2020	PHP and MySQL	CSE	2017	85
4.	Jan. 6, 2020	R	CSE	2016	39

- Students have successfully completed the course in **Data Science** and **Big Data Analytics** and awarded as **EMC** Academic Associate in association with **DELL EMC**

S. No	Year	#Student Certified
1.	CSE IV Year	16
2.	CSE III Year	38
3.	CSE II Year	42
4.	ECE IV year	4

- **CISCO CCNA** Routing and Switching – Introduction to networks – Module 1& Routing and switching Essentials – Module 2 is successfully completed by 12 CSE VIII Sem Students

- **CISCO** Fundamentals of IOT course is successfully completed and certified by 30 students of CSE III Sem Section A

- **CISCO** CLA:Programming Essentials in C Couse is successfully completed and certified by 47 students of CSE III Sem Section B

- **CISCO** Cyber Security course is successfully completed and certified by 137 students of CSEVII Sem , V Sem , III Sem

S.No	Course Id	Course Name	Final Score	Name	Certificate Type	Timeline
1.	noc19-cs06	Problem solving through Programming In C	46	POLASA RISHIKESH	Successfully completed	Jan–June 2019
2.	noc19-cs06	Problem solving through Programming In C	46	N.LAKSHMI SAMYU	Successfully completed	Jan–June 2019
3.	noc19-cs07	Programming in Java	46	PADIGELA VINAY REDDY	Successfully completed	Jan–June 2019
4.	noc19-cs07	Programming in Java	46	KADAM AMARNATH	Successfully completed	Jan–June 2019
5.	noc19-cs07	Programming in Java	46	VEM SUCHARITHA	Successfully completed	Jan–June 2019
6.	noc19-cs07	Programming in Java	46	MOHD IRSHAD MUKKARAM	Successfully completed	Jan–June 2019
7.	noc19-cs08	Programming, Data Structures and Algorithms using Python	46	MOHD IRSHAD MUKKARAM	Successfully completed	Jan–June 2019
8.	noc19-cs09	Joy of computing using Python	46	MOHD IRSHAD MUKKARAM	Successfully completed	Jan–June 2019
9.	noc19-cs12	Data Base Management System	46	TATOLU LAXMI GAYATRI	Successfully completed	Jan–June 2019
10.	noc19-cs15	Data Mining	46	MADHAM NAREN	Elite + Silver	Jan–June 2019
11.	noc19-cs27	Cloud Computing	46	NAGUBANDI SAI DHATRI	Successfully completed	Jan–June 2019
12.	noc19-cs27	Cloud Computing	46	SYEDA RAUNAQ FATIMA	Elite	Jan–June 2019
13.	noc19-cs31	Introduction to Internet of Things	46	RISHITHA	Elite+Silver	Jan–June 2019
14.	noc19-cs31	Introduction to Internet of Things	46	GUNDA SAI ANIKETH	Elite+Silver	Jan–June 2019
15.	noc19-cs31	Introduction to Internet of Things	46	P.AJAY SHYAM	Elite+Silver	Jan–June 2019
16.	noc19-cs40	Programming, DSA Using Python	46	KADAM AMARNATH	Elite	Jan–June 2019
17.	noc19-cs84	Introduction to Internet of Things	46	SILIVERU LIKHITHA	Elite+Silver	Jan–June 2019

Useful MOOC's

FACULTY ARTICLE

I am writing this post to share some of the useful MOOC's sites which will really offer the best self directed learning platform for the students and professionals from various branches.

I am going to share the **25** MOOS's links where most of the courses will provide Free

Certificates upon course completion and few sites even will provide Diploma degrees as well, so I wish everyone to go through the below links and get the maximum benefit from these courses. Which are really useful for your career development and enrich your technical skills.

1. CISCO- www.netacad.com
2. Linkedin - www.linkedin.com/learning/
3. Googledigitalgarage-
   learndigital.withgoogle.com/digitalgarage
4. Canvas- www.mooc-list.com/initiative/canvas-network
5. Oxford Home Study -www.oxfordhomestudy.com/free-
   online-courses-with-certificates
6. Microsoft Learn- docs.microsoft.com/en-us/learn
7. Coursera- www.coursera.org/courses?query=free
8. Bitdegree- www.bitdegree.org/free-certifications-online
9. Pluralsight- www.pluralsight.com

10. Facebook Blueprint-
    www.facebookblueprint.com/student/catalog
11. Edx – www.edx.org
12. Coursera- www.coursera.org
13. Saylor.org- www.saylor.org
14. Udacity – in.udacity.com
15. Udemy – www.udemy.com
16. Shaw Academy- www.shawacademy.com
17. Skillsahre – www.skillshare.com
18. Harvard University – online-learning.harvard.edu
19. Futurelearn – www.futurelearn.com
20. SkilltoHire – www.skilltohire.com
21. Tuts Plus – tutsplus.com
22. Open Culture – www.openculture.com
23. Khanacademy – www.khanacademy.org

I hope these links are useful for the students those who wants to jump-start their career in the industry.

- MR. R. SANDEEP

5G

FACULTY ARTICLE

THE FUTURE DEPENDS on connectivity. From artificial intelligence and self-driving cars to telemedicine and mixed reality to as yet undreamt technologies, all the things we hope will make our lives easier, safer, and healthier will require high-speed, always-on internet connections.

To keep up with the explosion of new connected gadgets and vehicles, not to mention the deluge of streaming video, the mobile industry has introduced something called 5G—so named because it's the fifth generation of wireless networking technology.

The promise is that 5G will bring speeds of around 10 gigabits per second to your phone. That's more than 600 times faster than the typical 4G speeds on today's mobile phones, and 10 times faster than Google Fiber's standard home broadband service—fast enough to download a 4K high-definition movie in 25 seconds, or to stream several at the same time.

During last two decades, the world has witnessed rapid evolution of cellular communication technologies from the 2G Global System for Mobile (GSM) to the 4G Long Term Evolution-Advanced (LTE-A) system. The main motivation has been the need of more bandwidth and lower latency. While throughput is the actual data transfer rate, latency depends largely on the processing speed of each node data streams traverse through. Together with throughput-related performance enhancements, some allied parameters, such as jitter, inter channel interference, connectivity, scalability, energy-efficiency, and compatibility with legacy networks, are also taken into consideration when developing new mobile technology.

The 5G supply chain is susceptible to the malicious or unintentional introduction of risks like malicious software and hardware, counterfeit components, and poor designs, manufacturing processes, and maintenance procedures.
5G will also use more information and communication technology (ICT) components than previous generations of wireless networks. Improperly deployed, configured, or managed 5G equipment and networks may be vulnerable to disruption and manipulation.

With some strategic approaches and standards, 5G can be incorporated into daily lives, these are-Encouraging continued trusted development of 5G technologies, services and products.

And 5G's low latency means that 5G could enable remote surgeries, allowing physicians in one location to manipulate network-connected surgical instruments thousands of miles away; medical providers may also be able to rely on 5G to rapidly transmit high-resolution images for use in diagnosis and treatment. Manufacturers can use 5G networks to monitor production lines remotely and maintain video feeds of their factory floors.
And even though 5G remains far from universally available, the telecom industry is already looking forward to the next big thing, the technology that will take advantage of areas of the wireless spectrum above 100 Ghz: 6G.

- MR. KADARI KISHORE KUMAR

Best
Projects
2019-20

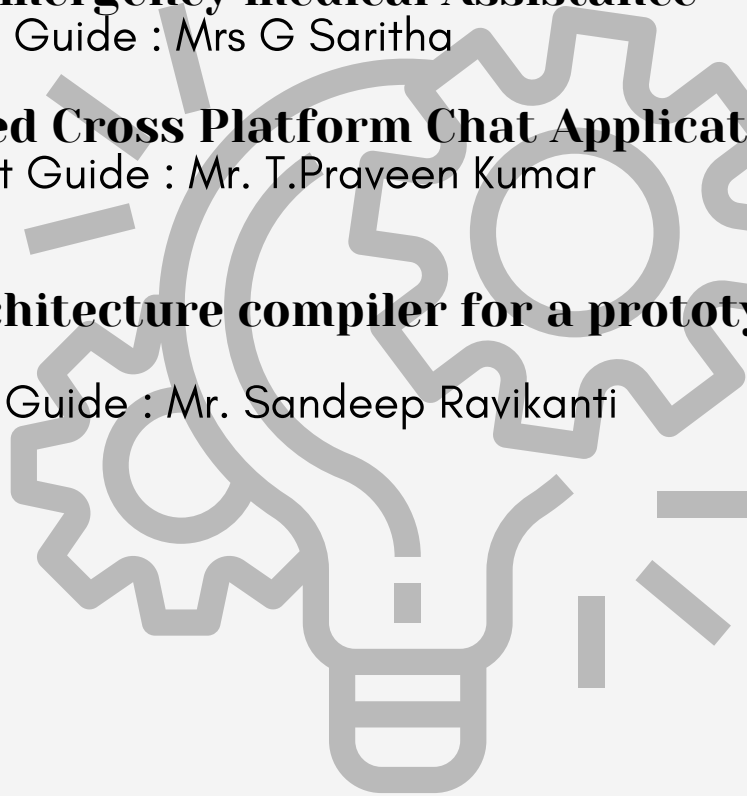**Driver's Emergency medical Assistance**
Project Guide : Mrs G Saritha

AI Powered Cross Platform Chat Application
Project Guide : Mr. T.Praveen Kumar

Cross-architecture compiler for a prototype based language
Project Guide : Mr. Sandeep Ravikanti

6 Technological Advancements in Cricket

STUDENT ARTICLE

The international cricket organizers are taking revolutionary steps to introduce technological advancement in the sports in order to boost the interest of the audience and bring more attraction to the game. A list of such technological developments have been considered here, which either recently or over the course of time have revolutionized the experience of Cricket.

1. The LED bails
Slightly heavier than the usual wooden bails, the LED zing bails are the latest technological induction in cricket.

2. Spidercam
The Spidercam is another remarkable improvement in the coverage of Cricket matches since it provides a unique angular view of the matches to the viewers.

3. Hawk Eye
The Hawk Eye is the most extensively used technology by the broadcasters to provide another perspective view for the Leg Before Wicket (LBW) appeals to the commentators and viewers.

4. HotSpot
Another recent breakthrough in the cricket technological commodities is the HotSpot implementation.
5. Snick-O-Meter
Also known as "Snicko" in the cricket dialect, the Snick-O-Meter was invented by Allan Plaskett to aid the umpires in detecting edge and the preceding caught behind the wicket.

6. Stump Camera
In order to provide a more in depth experience to the viewers, the Stump cameras are utilized to closely cover the game happening in the ground. Tiny yet quite advanced set of cameras are installed inside the stumps to provide a unique angle of coverage to the viewers.

- MR. ZEESHAN

Future of
Automobiles

The global automotive industry is on the verge of disruption. Four technology-driven trends — electrification, shared mobility, connectivity, and autonomous driving—are leading the automotive industry to this disruption. These trends will shift markets and revenue pools, change mobility behaviour and build new avenues for competition and cooperation. The Indian automotive industry has started to experience these effects of the global disruption. It has announced (and later modified some) ultimatums for the next decade. India has great expectations of achieving a high level of penetration in e-mobility by 2030. The reason is not very surprising; the alarming levels of pollution indices which keep on rising and the colossal dollars the country must pay for annual crude oil imports.

E-mobility has arrived in India. In the Indian context, any discourse around Electric Vehicles cannot be disjointed from pollution and its impact, dependence on oil imports, dire need to have more renewable sources of energy. The automotive industry could benefit by viewing it not as a threat, but an opportunity.

There is a need to create an integrated policy to nurture this technology. An ecosystem approach is what will help achieve India's progress on electric mobility. The policy on 'Faster Adoption and Manufacturing of Hybrid and Electric vehicles' FAME I in 2015 and FAME-II in 2019 have in some ways been instrumental in successfully creating an initial but nascent market. However, there is an apparent shift in the focus of the Government towards supply-side measures that include manufacturing of critical components of EV technology.

But, there are challenges. The primary concerns have been around range anxiety (kms on a single charge) and the lack of charging infrastructure and several other factors. Some of them are:

- MR. AWAIS AHMED

Latest Trend in CSE

Foldable displays

Remember the Nokia Morph smartphone concept from 2008? Sci-fi nerds have been dreaming of foldable displays for much longer, and they've finally hit mainstream devices in 2019. From the ill-fated Samsung Galaxy Fold to the all-new revival of the Motorola Razr, major smartphone manufacturers are drumming up a lot of interest in smartphones with flexible and foldable displays. While first-generation foldable smartphones are expensive and far from perfect, they do offer a peek into the future—bigger displays that fold into ergonomic shapes.

While foldable displays on smartphones are all gadget lovers can talk about these days, laptops are not far behind on the list. Earlier this year, Lenovo showed off a variant of its ThinkPad X1 with a foldable display that is dramatically smaller and lighter than the regular version. Not to be left behind, Microsoft has been teasing a pair of foldable devices—the Surface Duo and Neo—that use two screens that fold on a hinge instead of a single flexible display.

- MR. MOHAMMED ADNAN

NASA Space Apps Challegne
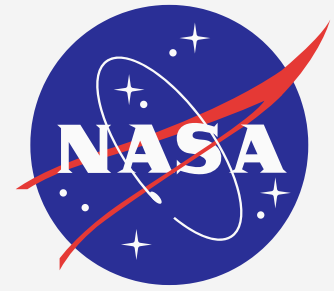
HACKATHON

It was on the eve of engineer's day that the **NASA** space app challenge was conducted at **Methodist College** of **Engineering** and **Technology**. But the preparation began on the previous day when the challenges were released to the participants. The students had to select one from these **challenges** and pitch their idea at the event. This event was managed by various class coordinators and faculty members especially Mr.Pravin Thumukunta and Mrs Sailaja who had encouraged a majority of students to participate in the event and also the HOD of the CSE department , Mrs.Lavanya maam along with her team , not to mention the Director of The college Mr.Lakshmipati Rao who aided the event. The top 4 teams would go to Delhi for the nationals of the **NASA** space app challenge.

Data **Science** and Big **Data**

5 Day Faculty Development Program on Data Science and Big Data Analytics conducted by **ICT** Academy on 26-08-2019 to 30-08-2019 at Methodist College of Engineering and Technology

Big data analytics is the process of examining big data to uncover hidden patterns, unknown correlations and other useful information that can be used to make better decisions. Five days training on Big data Analytics was conducted at Methodist College of Engineering and Technology for Faculty members in the college.
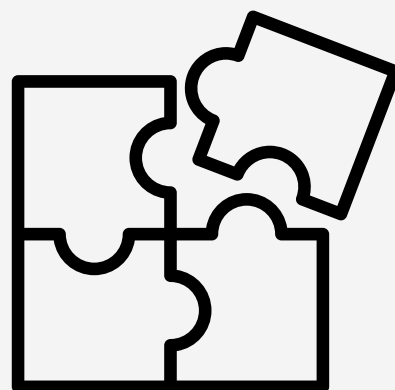
Spot the
Differences

CROSSWORD
PUZZLE

NON TECHNICAL CONTENT

CROSSWORD
PUZZLE
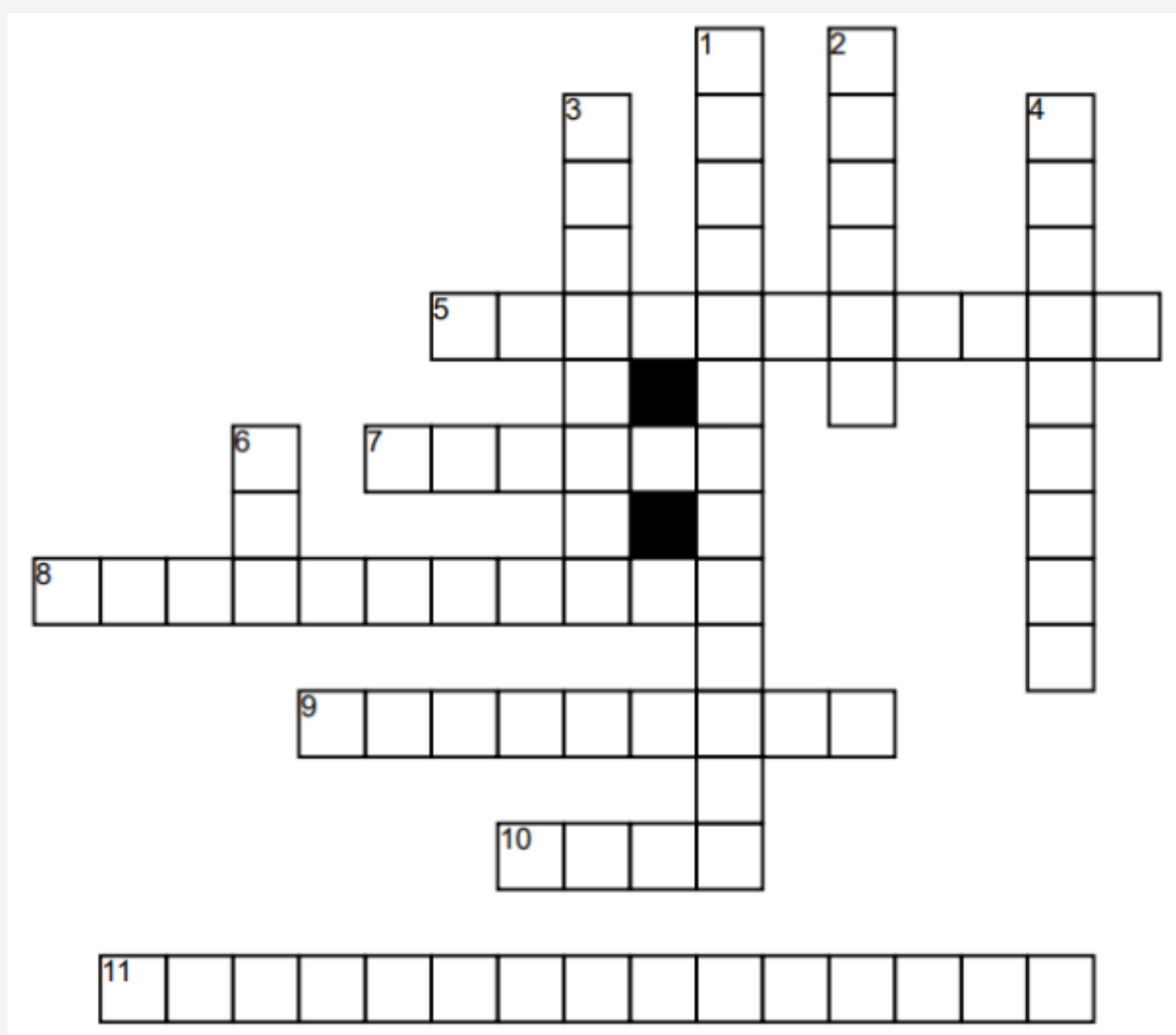
NON TECHNICAL CONTENT

Across
5. A program that runs when translated by a Java computer.
7. A program that runs in the context of a browser.
8. An error in the rules that govern the structure of language statements.
9. Used to describe a complete data processing system, with the flow of data through clerical operations involved, down to the level of individual programs, but excluding such programs.
10. A set of bits normally considered as a unit, it normally consists of eight bits and corresponds to a single character of information.
11. A sequence of instructions suitable for processing by a computer.

Down
1. Hardware, software, or both, that allow a user to interact with and perform operations on a system, program, or other device.
2. The rules that govern the structure of language statements; in particular, the rules for forming statements in a source language correctly.
3. A program that translates a program into machine code that can be converted into an executable program (an object program).
4. An ordered set of well-defined instructions for the solution of a problem in a finite number of steps. 6. Binary digit. The smallest unit of information for data storage and transmission. Each bit is considered to be either a "0" or a "1".

Corona
Time

STUDENT ACTIVITIES DURING THE PANDEMIC

Corona Trivia

TRIVIA ON THE COVID PANDEMIC WAS CONDUCTED

1st Prize

ABHILASH PUNNA

3rd Prize

AAKHRITHI JAISWAL

Alumni
Meet

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Packages &
Placements

Highest
Packages

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K V S S R VYDHIC

CLOUD 4C
13 LPA

AFSHAN JABEEN

OPTUM
5 LPA

SUCHARITHA VEM

INFORMATICA
6.5 LPA

N. SAI DHATRI

CISCO
10 LPA

DHEERAJ GANESH

BYJU'S
10 LPA

Placements 2019-20

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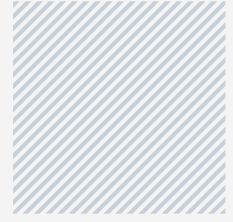
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మెథడిస్ట్ కాలేజీలో ముగిసిన ట్రైనింగ్

హైదరాబాద్, వెలుగు: మెథడిస్ట్ ఇంజినీరింగ్ కాలేజీ(అవిడ్స్) కంప్యూటర్ సైన్స్ విభాగము ఆధ్వర్యంలో గత 5 రోజులుగా జరుగుతున్న 'డేటా సైన్స్, బిగ్ డేటా అనలిటిక్స్' ప్రోగ్రామ్ శుక్రవారం ముగిసింది. ఈ సందర్భంగా కాలేజీ డైరెక్టర్ డాక్టర్ లక్ష్మీపతి మాట్లాడుతూ సాంకేతిక అంశాలపై అవగాహన పొందా

ల్సిన ఆవశ్యకత ఉందన్నారు. ఇలాంటి ట్రైన్ ది ట్రైనర్ ప్రోగ్రామ్ల వలన టీచర్లకు, స్టూడెంట్స్ కు ప్రయోజనకరంగా నిలుస్తుందన్నారు. ఈ కార్యక్రమంలో కరస్పాండెంట్ కృష్ణారావు, కాలేజీ డీన్ డాక్టర్ వెంకటేశ్వర్, కంప్యూటర్ సైన్స్ విభాగం హెడ్ లావణ్య పాములపర్తి పాల్గొన్నారు.
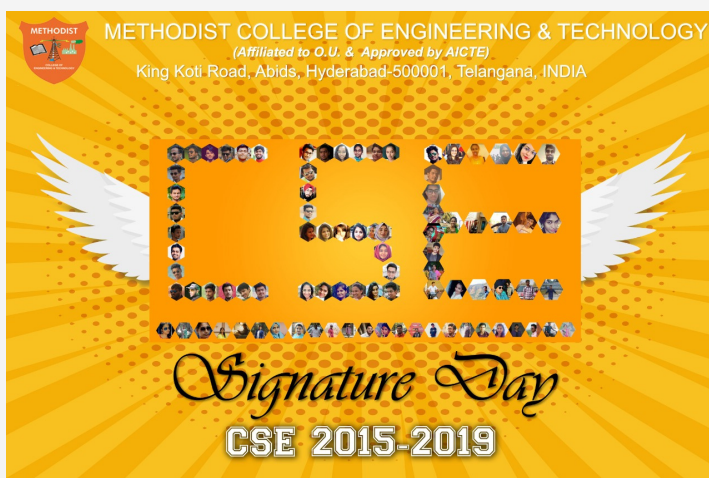
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*"Technology is a useful servant
but a dangerous master."*

Christian Lous Lange, Historian

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