Er. PERUMAL MANIMEKALAI COLLEGE OF ENGINEERING

(Accredited by NACC with 'B++' Grade)

Koneripalli, Hosur – 635 117.

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DEPARTMENT OF INFORMATION TECHNOLOGY

NEWS LETTER - 2017

OUR GOALS

- To import latest knowledge in IT.
- Aiming to produce the maximum of distinctions in the university examinations.
- Produce the maximum number of university rank holders from this academic year.
- Valuable lectures delivered by renowned personalities from the reputed industries, for the benefit of students.
- Student's seminar to increase the presentation skills and leadership qualities.
- Students are bestowed with plentiful guest lecturers to be on par with the industrial standards.
- We have a privilege of inviting the resource personnel from the booming IT industries, which lead these edge technologies.
- Enhancing the knowledge of the student's by interacting with the industry, and their leadership qualities.
- Aiming to place the maximum number of students through on campus and off-campus interviews conducted by the top slash companies.
- To provide consultancy services.

SALIENT FEATURES

- . Excellent Core and Dedicated faculty members.
- Innovative Teaching and Smart Class rooms
- Laboratories with state of the Equipment's and Instruments
- Wi-Fi Connection throughout the Campus
- Well Stacked Library
- Digital Library with 48 Mbps Internet Connectivity
- Continuous Faculty up gradation programs
- Communication Skills
- Highly Active Training and Placement Cell
- Industrial focused curriculum and Industry-Institute Interaction
- Guest Lectures and Seminars
- Student Exchange Program with various Institutions

ABOUT THE INSTITUTION

Er. Perumal Manimekalai Group of Institutions (PMC TECH) established in the year 1996 by the Founder Chairman Shri. P. Perumal, B.E., M.I.E., FIV., and Sponsored by Er. Perumal Manimekalai Telugu Minority Educational and Charitable Trust, is situated next to the Industrial hub Hosur, Krishnagiri District, Tamilnadu.

The Engineering College of the Institution established in the year 2002-03 is dedicated to the cause of "**Promotion of quality education with basic philosophy summed up as to be a center of learning, excelling in academics, which imparts state of the art knowledge to its students, encourages staff and students to actively take up research and development activities and to be an agent of promotion of ethical values to its students and staff and thus serve the society.**"

Technology Embarks...

Be the Change that you want to see in the World

Department Preface

Department of Information Technology was established in the year 2007 with an intake of 60 students. The Department has well qualified and experienced 12 faculty members to improve the student's skills in all aspects. The department has well equipped laboratory facilities with all latest and recent software's as prescribed by the University. The Department has signed MoU's with leading companies to enhance and to implant technical skills to students. The Departments has organized various Workshops, Conferences, Symposium and Seminar to build the talents and to bring the exposure.

Vision

To impart the highest quality of technical education and have continuous practices in the emerging information technology industry.

Mission

- ❖ To develop facilities of problem solving and technical skills.
- ❖ To develop dynamic and flexible attitude of IT engineers.
- ❖ To impart continuous learning skills in Technical, Ethical and Professional ways to meet the social responsibilities.

Chairman's Message

"SCIENTISTS INVESTIGATE THAT WHICH ALREADY IS; ENGINEERS CREATE THAT WHICH HAS NEVER BEEN"

I am very glad to know that the Department of B.Tech Information Technology is bringing out the fourth newsletter. PMC Tech aims at imparting high quality technical and research oriented education for future generation engineers and scientists. I appreciate the efforts put in by the faculty and student of I.T department in publishing this kind of Information review and also I look forward of preparing students to face the challenges of the engineering colleges and offer technological solution for the betterment of the society.

"I wish faculty and students of IT department for their success"

Er.P.Perumal,
Chairman.

Secretary's Message

"DO SOMETHING EVERYDAY. THIS IS THE GOLDEN RULE FOR ACQUIRING THE HABIT OF DOING YOUR DUTY WITHOUT PAIN"

It gives me an immense pleasure to know that the B.Tech Information Technology of PMC Tech is publishing fourth newsletter, which not only brings out information about the college and its activity, but also about the students achievements in various fields. I hope that this newsletter will continue to enhance in quality and information on its content and will advocate culture of excellence which would eventually give a wide readings.

I congratulate and wish the "students and faculties" continue to improve and provoke good thoughts to any readers ultimately and it should find its place in libraries and educational institution.

Shri P.Kumar,
Secretary.

TRUSTEE'S MESSAGE

"MEMORY IS THE MOTHER OF ALL WISDOM"

I am delighted to recognize that the Department of B.Tech Information Technology is releasing the newsletter. I hope this newsletter carrying the laudable glories and achievement of staff and students would really be a showcase of the talents and seekers exhibited by them.

I congratulate the faculty and students for their contribution and efforts in bringing out this newsletter successfully.

Smt P.Mallar,
Trustee.

TRUSTEE'S MESSAGE

"SUCCESS IS NOT FINAL, FAILURE IS NOT FATEL: IT IS THE COURAGE TO CONTINUE THAT COUNTS"

I am extremely happy to know that that department of B.Tech Information Technology is releasing newsletter that shows their talents and activities done in their department last year. Exchange of ideas, disseminating of the knowledge will ensure professional growth and the students will get more benefit on it. I hope this will continue with extra content on forthcoming years.

"I wish the faculty and students for success"

Smt P.Sasirehka,
Trustee.

PRINCIPAL'S MESSAGE

"LEARNING IS A PASSION, WHICH GOES BEYOND BOOKS"

I express my deep pleasure to B.Tech I.T Department for publishing this fourth newsletter. In the existing modern world of Engineering and Technology, Creativity and Innovation play a vital role for any institute to enrich the academic and non-academic excellence of the students. In order to make the students to cope up the present competitive world, PMC Tech provides an ambient learning environment with dedicated and devoted faculty.

This newsletter highlights some of our initiatives and constructive activities which were successfully carried out during the last academic year.

I appreciate the HOD, Faculty and students for their interest and effort.

Dr.S.Chitra,
Principal.

HOD'S MESSAGE

"CONTINUOUS EFFORT IS THE KEY TO UNLOCK OUR POTENTIAL"

The launch of newsletter is another milestone for the excellence. I am happy to release this newsletter with the help of our management, principal, faculties and students. In our Department we introduced unique programs and facilities like online collaborative & dynamic learning system, value added course, practical & industry oriented training to prepare students for future challenges.

I appreciate & wish our faculty & students to work forward for publishing this newsletter.

HOD – IT.

TECH EXPO – 2017

Technical Exhibition provides participants and exhibitors an excellent opportunity to network and exchange ideas, to showcase innovative projects and to encourage skills and capacity building in Technology. Our **"TECH EXPO – 2017"** was conducted on 23rd and 24th February 2016 with a showcasing remarkable 20 innovative projects. **Noteworthy point was there had been beeline of students to witness the exhibition/demonstrations comprising around 10, 000 from surrounding School and Colleges.**

OUTSTANDING PERFORMERS OF TECH EXPO'2016

SAFE DRIVING	TRACK SENSING ROBOT	ATM BASED SMART BUS
N.Karthikeyan, H.Riyazi, M.Dinesh Kumar – IInd year B.Tech.[IT]	P.Pankaja, V.Preetha IIIrd year B.Tech.[IT]	M.Radha, M.Kasthuri, S.Nithya IInd year B.Tech.[IT]

TECH STROM – 2016: National Level Technical Symposium

Our institution had conducted a National Level Technical Symposium **"Tech Strom – 2016"** on 08th September, 2016 and the event was organized by Er. Perumal Manimekalai College of Engineering.

Events Conducted in the Symposiums are Paper Presentation, Technical Quiz, Debugging, Short Film, Logo Creation.

INNOVATIVE IDEAS IN IEDC & MSME

The Third year Students of our Department presented a project - **SMART BASKET** in front of the committee members from IEDC, Delhi.

INDUSTRIAL VISITS

PMC TECH has always encouraged Industrial Visits for the Students to have the glimpse of Industrial Works Systems. Our Department Second, Third Year & Final Year students visited **KELTRON and ISRO** at Kerala on 18th and 19th August 2016. Final Year students visited **INFOSYS Limited** at Bangalore on 01st August 2016.

RELAX TRAINING PROGRAM FOR STUDENTS

Our Department had conducted a **"Relax Training Program for Students"** for Second year students.

SEMINAR DAY FOR STUDENTS

Our Department had conducted a **"Seminar day for Students"** for Second & Third year students.

NATIONAL CONFERENCE ON NCICT'16

Our institution had conducted a National Conference on Intelligence and Communication Technology (NCICT'16) on 21st March, 2016 and the event was organized by Er. Perumal Manimekalai College of Engineering.

TECHNICAL WORKSHOP

Our department had organized various hands on learning workshops for student's development.

S. NO	TITLE	RESOURCE PERSONS/CHIEF GUEST	PARTICIPANTS	DATE
1.	Grid and Cloud Computing	Dr.T.Senthilkumar, Associate Professor , Amrita University, Coimbatore	IV Year Students	05.08.2016 & 06.08.2016
2.	Security Laboratory	Dr.T.Senthilkumar, Associate Professor , Amrita University, Coimbatore	IV Year Students	20.08.2016
3.	Android Application Development	Mr.Aravind Chennai.	III Year Students	18.08.2016

INFOSYS CAMPUS CONNECT

Campus Connect aims at evolving a model through which Infosys and Engineering Institutions can partner for competitiveness, enhance the pool of highly capable talent for growth requirements in Information Technology (IT) space.
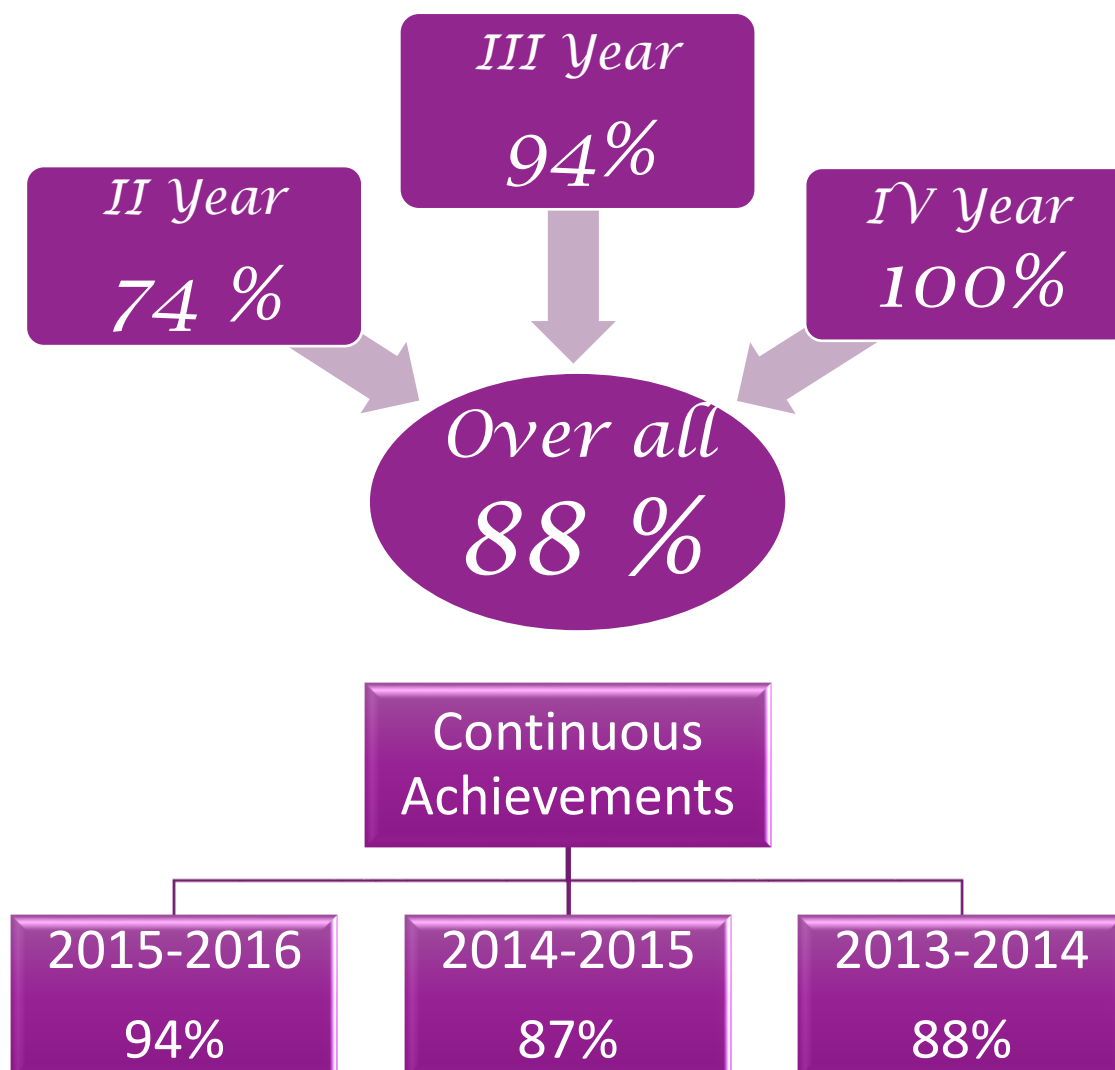
The following is a list of Generic Courses of the Foundation Program conducted for our III year IT students,

1. Introduction to Computer Systems (ICS)
2. Problem Solving Techniques (PST)
3. Operating Systems (OS)
4. Programming and Testing (P&T)
5. Relational Database Management Systems (RDBMS)

DEPARTMENT ACHIEVEMENTS

In Nov / Dec -2016 following is the result of our Department students

III Year
94%

II Year
74 %

IV Year
100%

Over all
88 %

Continuous Achievements

2015-2016	2014-2015	2013-2014
94%	87%	88%

List of staff who achieved 100% Result:

S.No	Name of the faculty	Subject
1	Mr.V.Kumararaja	Data Ware Housing and Data Mining
2	Mr.C.Sathish	Programming Data Structures – II & Graphics and Multimedia
3	Mrs.P.Vanathi	Software Testing & Computer Programming
4	Mrs.Neethu Mariam Joseph	Cryptography and Network Security & Computer Networks
5	Mrs.X.Ignatius Selvarani	Information Management & Object Oriented Analysis and Design
6	Ms.R.Narmadha	Web Programming
7	Ms.R.Subha	Grid & Cloud Computing

Faculty Endeavors

Prof. S. Janakiraman

- Attended one week NPTL Workshop on at IIT Madras on 20th Nov 2015

- Attended Two Days workshop on "**IBM Bluemix** "**"** sponsored by **ICTACT Faculty Development** on 25th & 26th November, 2015.

- Two - Week ISTE workshop on **"Signals and Systems"** conducted by Professors of ECE, IIT - Kharagpur from 2nd to 12th January 2014.

- Attended one week NPTL Workshop on at IIT Madras on 20th Nov 2015.

Mr.C.Sathish, Assistant Professor

- Presented a paper titled **"Health Experts for Pets using Mobile Application"** in the International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies- 2017 at Bharath University, Chennai.

- Participated in Train the Trainer Program(TTT) on **"Agile Software Development"** conducted by Infosys Limited held at Sona College of Technology, Salem from 27th to 29th July 2016.

- Participated in the **"NAAC Awareness Seminar / Training on Quality System in Higher Education"** organized by Internal Quality Assurance Cell (IQAC), Anna University, Chennai. During 29th & 30th September 2016.

Mrs. P. Vanathi, Assistant Professor	• Presented a paper titled "Mobile App for complaining against social issues" in the **International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies- 2017** at Bharath University, Chennai. • Presented a paper titled "Weighted Rule Mining for Web Logs based on Systolic Tree to extract frequent patterns using FPGA" in the **National conference on Innovations in Science, Engineering and Technology "ISET-2015"** at Podhigai College of engineering and Technology, Tirupattur. • Participated "**NPTEL Workshop**" organized by NPTEL, IIT Madras at Er. Perumal Manimekalai college of Engineering, Hosur, on 20/11/2015. • Participated a two days' Workshop on "**IBM Bluemix**" organized by ICT Academy of Tamilnadu at Er. Perumal Manimekalai college of Engineering, Hosur, from 25/11/2015 to 26/11/2015.
Mr. V.Kumararaja, Assistant Professor	• Presented a paper titled "Vehicle navigation and control system using mobile based GPS" in the **International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies- 2017** at Bharath University, Chennai. • Particiapted in Hands on Training on **Grid & Cloud Computing** organized by Er.Perumal Manimekalai College of Engineering in association with Computer Society of India on 05th & 06th August 2016. • Infosys Technologies is recognized as **"Silver Level Partnership Certificate - Faculty Excellence Awards"** under Inspire – The Campus Connect Programme for 2016.
Mrs .X. Ignatius Selvarani Assistant Professor	• Presented a paper titled "Secure voting system through SMS and using Smartphone Application" in the **International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies-2017** at Bharath University, Chennai. • Participated in two day workshop on "**Introduction to Big data**" conducted by ICT Academy on 13/02/17 and 14/02/17**.** • Participated in "**Engineering Faculty workshop**" organized by Wipro Mission 10X from 20.05.15 to 22.05.15.

Mrs .A.Maheshwari, Assistant Professor	• Participated an International Conference in Bharath University, Chennai on 16 to 18.02.2017 at **"Academia Interactive Updation Using Android Application".**
	• Participated the Engineering faculty workshop **" Wipro Mission10X**" conducted at Er. Perumal Manimekalai college of Engineering, Hosur, from 14th March to 16th March,2016.
	• National Program on Technology Enhanced Learning on 20th Nov 2015 at Er. Perumal Manimekalai College of Engineering.
Ms . R.Narmadha Assistant Professor	• Presented a paper titled "Advanced privacy Identity for location of smart phone users" in the **International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies-2017** at Bharath University, Chennai.
	• Participated the Engineering faculty workshop **"Wipro Mission10X**" conducted at Er. Perumal Manimekalai college of Engineering, Hosur, from 14th March to 16th March, 2016.
Mrs. Neethu Mariam Joseph Assistant Professor	• Presented a paper titled "Resolving Privacy Conflicts in Social Media" in the **International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies-2017** at Bharath University, Chennai on 17th February 2017
	• Participated one day workshop on "**Network Security**" organized by Er. Perumal Manimekalai College of Engineering, Hosur on 20th August 2016
Ms . R.Subha Assistant Professor	• Attended Fdp On **"Foundation Program 5.0"** Held At P.A.College of Engineering,Pollachi From 13 To 17 Feb 2017
	• Attended in Hands on Training on **Grid & Cloud Computing** organized by Er.Perumal Manimekalai College of Engineering in association with Computer Society of India on 05th & 06th August 2016.

STUDENT ACHIEVEMENTS

Our Department has always supported and extended helping hand to Students whenever he/she exhibited earnest and conscientious activity intended to do or accomplish something. As a result they have made innumerable achievements as shown below;

S.NO.	Name	Program Title & Events	Venue	Achievements And Awards	Date
1	M.Shanmathi & S.Runambika	Paper Presentation	P.S.V. College of Engineering and Technology	Third Prize	10-03-2017
2	R.Munirethana & R.Narthna	Paper Presentation	P.S.V. College of Engineering and Technology	Participated	10-03-2017
3	G.Saravanan & K.R. Yogesh Baby	Paper Presentation	P.S.V. College of Engineering and Technology	Participated	07-03-2017
4	V.Nikhilesh	Paper Presentation	P.S.V. College of Engineering and Technology	Participated	07-03-2017
5	S.Lokesh Kumar & R.Vivekanandha	Paper Presentation	P.S.V. College of Engineering and Technology	Participated	07-03-2017
6	M.Sakthi & S.Bharath Kumar	Paper Presentation	P.S.V. College of Engineering and Technology	Participated	07-03-2017
7	Arun A,Vijay V & Vijayabaskar J	Online Flower Marketing System Using Mobile Apps	Bharath University,Chennai	Participated	18.02.2017
8	Madhu V ,Pradheep Kumar M & Jayakumar J	Health Experts for Pets Using Mobile Apps	Bharath University,Chennai	Participated	18.02.2017
9	Manisha G Nath,Priya S, Soundarya E V & Suma P	Advanced privacy identity for location of smart phone users	Bharath University,Chennai	Participated	18.02.2017
10	Ambika N,Sailaja L,Sivaranjani E & Suruthipriyanga R	Android application for complaining agaist the social issuses	Bharath University,Chennai	Participated	18.02.2017
11	Murali R,Shivam Kumar & Pugazhendhi.V	Vehicle Navigation And Control System Using Mobile Based GPS System	Bharath University,Chennai	Participated	18.02.2017
12	Chaithra T,Renukadevi R,Nethra.S & Tejasvi.K	Academia Interactive Updation Using Android Application	Bharath University,Chennai	Participated	18.02.2017

S.NO.	Name	Program Title & Events	Venue	Achievements And Awards	Date
13	Akila V,Deepapriya K,Pankaja P & Preetha V	Regulating Multi User Privacy Conflicts In Social Media	Bharath University,Chennai	Participated	18.02.2017
14	Deepa N,Poovizhi K,Swapna N & Yogeswari M	Secure Cloud Environment For Backup And Data Storage Using Virtualization	Bharath University,Chennai	Participated	18.02.2017
15	Geethanjali R,Pavithra S,Shruthi M & Syamala R	Secure Voting System Through Sms And Using Smartphone Application	Bharath University,Chennai	Participated	18.02.2017
16	K.R.Yogeshbabu, S.Bharathkumar, R.Vivekanandha & R.Manikandan	Hands on Ethical Hacking Workshop	Microsoft Research Community, Krishnagiri	Participated	17.09.2016
17	N.Abika, N.Swapna,K.Poovizhi & L.Sailaja	Grid & Cloud Computing Workshop	PMC TECH	Participated	05.08.2016 & 06.08.2016
18	J.Vijayabaskar,P.Suma, S.Priya & J.Jayakumar	Grid & Cloud Computing Workshop	PMC TECH	Participated	05.08.2016 & 06.08.2016

GUEST LECTURE DETAILS

Our Department Conducted Internal and External Guest Lecture for Final Year, Third Year and Second Year Students at Seminar Hall at various occasions as detailed below so as to abreast the students with updated knowledge of the fields concerned.

S. NO.	Resource Persons	Topic	Participants	Date
1	Mr.S.Sekar,Assistant Professor, Department of S&H,PMC TECH, Hosur	SIMPLEX METHODS	Second Year	17-03-2017
2	Mr.A.Mohan,Assistant Professor, Department of S&H,Sara Nathan College of Engineering, Trichy	PROBABILITY AND QUEUNING THEORY	Second Year	04-01-2016
3	Mrs.M.Latha,Assistant Professor, Department of MCA,PMC TECH, Hosur	MICRO PROCESSOR 8086 ARCHITECTURE	Second Year	29-03-2016
4	Mr.S.Sekar,Assistant Professor, Department of S&H,PMC TECH, Hosur	SIMPLEX METHODS	Second Year	30-03-2016
5	Mr.A.Mahesh,Assistant Professor, Department of MBA,PMC TECH, Hosur	SORTING TECHNIQUES	Third Year	03-02-2016

AT PMC TECH from day one of students inception, while the faculties of the department concern takes all best possible steps for in-depth instilling the subjects (hard skills) of their preferred field of studies, *the training department also goes in part with them to acquaint the students with best possible and essentially needed Soft skills*. This is because placement being an ultimate goal and our department achieved astounding positioning of students in reputed organizations in coordination with the deployed Placement Team TRACKED UNDER THE GUIDANCE OF OUR PRINCIPAL.

T O T A L STUDENTS PLACED = 33 (STATUS AS ON MARCH 2017)

| MANISHA G NATH | SHRUTHI M | SURUTHIPRIYANGA R |

PREMATIX, HOSUR

| ARUN A | MURALI R | PRADHEEPKUMAR M | VIJAYABASKAR J |

IDBI, CHENNAI

SHIVAM KUMAR

SIVARANJANI E

MINDWIZ & ATCIS TECHNOLOGY   **SUTHERLAND & PREMATIX**

AKILA V

AMBIKA N

CHAITRA T

DEEPA N

GEETHANAJALI R

RENUKADEVI R

PAVITHRA S

SAILAJA L

SOUNDARYA E V

SUMA P

SURUTHIPRIYANGA R

SWAPNA N

YOGESWARI M

TEJASVI K

NETHRA S

ATCIS Technology

MANISHA G NATH

SHRUTHI M

PRIYA S

FIRST SOURCE

MADHU V

PANKAJA P

POOVIZHI K

PREETHA V

SYAMALA R

VIJAY V

DIGICALL, CHENNAI

DEEPAPRIYA K

ARUN A

PUGAZHENDHI V

INTELENET

PREMATIX, HOSUR

UNIVERSITY RANK HOLDERS

Batch: 2012 – 2016

MALLIKA S

RANK 14

REETHU SINGH E

RANK 14

Batch: 2010 – 2014

DEEPA M

RANK 47

MANJUNATH S

RANK 50

MEDIA