

SRINIVAS INSTITUTE OF TECHNOLOGY

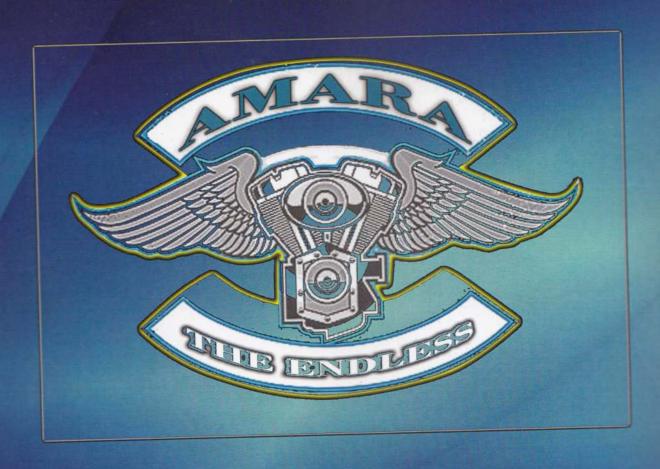
(A UNIT OF A. SHAMA RAO FOUNDATION)

SMRUTHI2.0

Department of Aeronautical Engineering Department of Automobile Engineering



MERLAPADAVU, VALACHIL, MANGALURU-574143
WWW.SRINIVASGROUP.COM



Automobile & Aeronautical Association

Principal's Message



I am happy to know that the Aeronautical and Automobile engineering students are bringing out the second edition of "SMRITHI", under the banner of Automobile and Aeronautical Association (AMARA).

The newsletter synthesizes information regarding curricular and extra curricular activities of the students for the year 2016-2017. The information of student activities are pounding in this newsletter. These information indicate the intensity of hidden talents among the students. I am happy to say that this newsletter contains all such information.

I congratulate the members of the editorial board for their efforts in bringing out the newsletter.

Dr. Bhrinivasa Mayya . D

Honorary President's

Message



The second edition of the news letter SMRUTHI is a collection of lot of memories of achievements and activities of the AMARA association. Congratulate the office bearers of the association and the student volunteers for successfully organizing the events this academic year.

As far as academics and extracurricular activities are concerned, both the Aeronautical and Automobile Departments have excelled in academics and sports at university level. With the present trend in all probability the department is bagging one or two university ranks is not far.

This year both these departments have consolidated their R & D strength further and looking forward for student and faculty involvement to create the awareness among the research community. To conclude, it is worth mentioning Shri Ratan Tata who said, "If you want to walk fast, walk alone....! But, if you want to walk far, walk together!"

Dr. Ramakrishna . N . Hegd

AMARA-An Overview

Automobile and Aeronautical Association (AMARA 2016-17) the association of students of Automobile and Aeronautical Engineering, was inaugurated by Mr.Ravishankar P, Senior Inspector, Motor Vehicle department, Regional transport office, Mangaluru on 20th September 2016. Ever since its inception AMARA is organizing various events like technical talks, competitions, cultural fest and industrial visit. Srinivas Aero Club(SAC) and Auto Tremento coming under the banner of AMARA is actively involved in Aeromodelling, Automodelling in association with Aerotrix, ArkTechnosolutions, ASP Design centre pvt ltd and SAE India.

This academic year's AMARA activities are guided by Mr. Deepak Raj and Mr. Jerome Anthony, faculty of aeronautical and automobile departments. Mr. Ravishankar P, gave a talk on "importance of traffic rules and road safety" on 20th September 2016. AMARA organized fresher's day for 2nd year students on 20th September 2016 and Teachers day & Engineers day on 27th September 2016 with fun and frolic.

First ever issue of the quarterly edition of AKSHIPTHA E-newsletter of Aeronautical Engineering Department and first ever issue of half yearly edition of "AUTOTHRUST" E-newsletter of Automobile engineering department was launched on 14th October 2016.

Aeronautical department organized two day workshop on "Introduction to digital image **processing using** MATLAB, IDIP-2016" on 14th October 2016. Mr. Devaraj K, BMS **college of** Engineering, Bengaluru gave a technical talk on "heat transfer in propulsive **devices" and** seminar on "NPTEL in classroom and beyond" on 11th October 2016.

The inaugural function of SAE India was held on 20th October 2016. Mr. Purshotham S Joshi, business manager SAE India, Bengaluru section, gave a technical talk on "ATV"s from scrap to super structure" and Mr. K. P. Murthy, Vice chairperson, SAE India, south section gave a technical talk on "Clean technologies and sustainable engineering" on 25th October 2016.

The college witnessed a successful "ALTIUS-16", an Intra-college technical fest on 28th October 2016 and the Aeronautical & Automobile departments under AMARA conducted various competitions.

AMARA association organized "swacch bharath abhiyan-swacch campus" cleaning program on 5th November 2016 with full involvement of staff and students

Mr. K. Jayaprakash Rao, Former regional PRO,DRDO gave a talk on "vision 20-20 Dr. Kalam's motivation for youths of India" on 31st January 2017. Both the departments contributed on a large scale towards 'ENVISION-17' a two days national level techno-cultural fest organized by the college on 27th and 28th February 2017 with more than 300 registrations.

AMARA, SAC and Auto Tremento organized many workshops like "Hands on course on JAVA for beginners and "Flying lesson on X-Air micro flight Aircraft under association with Aerotrix, Arktechnosolutions and ASP design centre pvt ltd. By planting trees on 5th April 2017, Automobile Department started "Vruksha-green initiative event under AMARA.

Mr. Ramesh Kumar, Professor of Aeronautical Department gave a technical talk on "Aircraft maintenance and job opportunities in Aeronautical engineering" on 26th April 2017.

AMARA also arranged industrial visit to Automotive axles limited, Mysore, Beml ltd, Mysore, MT and T Chennai, KSRTC regional workshop, Bengaluru and Jet Airways hangar, Mumbai.

Indeed one can say that AMARA was buzzing with activities throughout the year and the association was successful. However AMARA has put its own benchmark and will strive hard to be the best students association of the college.

Office Bearers & Student Coordinates

Dr.Ramakrishna .N .Hegde Honourary President Mr.Deepak Raj. P. Y Mr.Jerome Anthony Staff advisers

President Vice President Secretory -

Prajath T Shetty
Maldren Joyce J
Nagaraj H Gosali
Joshusa Pereira
Royd Naronha

Organising Secretory

Joint Secretory

Treasurer - Soumya H U

Joint Treasurer Gadhiya Sumit Kumar

SAC President - Sandeep Duvani S

Auto Tremento - Ganesh Thammaiah M S

Office Bearers

Rakesh Choudhary K, Rakesh
Santhosha Reddy M Varuni Nadiger
Likith Kumar T Mohith N Madhan
Shruthi N Vignesh G
Mohammed Razin Prithvi H Acharya

AMARA - Event Tree

Inaugural Functon

The inaugural function of AMARA (Automobile L. Aeronautical Association) 2015 -2016 was held on 20th September 2016 in Srinivas Institute of Technology, Valachil, Merlapadavu, Manga—luru. Mr. Ravishankar P., Senior Inspector, Motor vehicle department, Regional Transport Office, Mangaluru was the Chief Guest of the occasion.



Technical talk on Road Safty and traffic rules

Mr. Ravishankar P., Senior Inspector, Motor vehicle department, Regional Transport Office, Mangaluru delivered a talk on "Importance of Traffic Rules



Teacher's Day Celebration

Aeronautical and Automobile Engineering Departments AMARA association celebrated "Teachers day and Engineers day" on 27th September 2016 in Srinivas Institute of Technology, Valachil, Mangaluru.











PRINCIPAL'S MESSAGE

H.O.D'S MESSAGE



In The Spothlight













Akshipth

First ever issue of the quarterly edition of "AKSHIPTH" E-newsletter of Aeronautical Engineering department was launched by Dr. Shrinivasa Mayya D., Principal, Srinivas Institute of Technology, Valachil, Mangaluru on 14-10-2016.



Auto Thrust

The quarterly editions of AUTO THRUST E-newsletter of Automobile Engineering Department was launched by Dr. Shrinivasa Mayya D, Principal, Srinivas Institute of Technology, Valachil, Mangaluru, December 2016





Auto Thrust

Top 10 Advanced Car Technologies by 2020

Cover page of Vol 1 Issue 1 Auto Thrust Magazine



Auto Thrust

Cover page of Vol 1 Issue 2 Auto Thrust Magazine

MATLAB Workshop

The two day workshop on "Introduction to Digital Image Processing using MATLAB, IDIP – 2016" was inaugurated on 14th October 2016, in the Department of Aeronautical Engineering, Srinivas Institute of Technology, Mangaluru.





Technical talk on Propulsive Devices

The Department of Aeronautical Engineering and AMARA Association, Srinivas Institute of Technology, Valachil, Mangaluru, Organised a Technical talk on "Heat Transfer in Propulsive Devices" and Seminar on "NPTEL in classroom and beyond" on 17-10-2016 by Prof. Devaraj K, B.M.S. College of Engineering, Bengaluru.

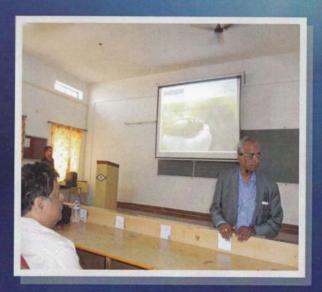


SAE INDIA

The Inaugural function of (Society of Automotive Engineers) SAEINDIA, Srinivas Institute of Technology Colligate Club 2016-2017 was held on 25th October 2016 in Srinivas Institute of Technology, Valachil, Mangaluru.

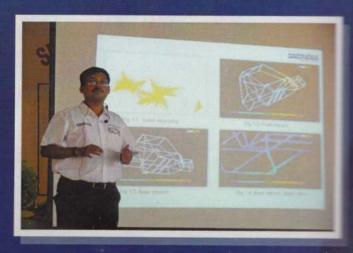


Technical talk



Mr. K. P. Murthy, Vice Chair Person, SAEINDIA South section gave a technical talk on "Clean technologies and Sustainable Engineering" to all the faculties of the department on 25th October 2016.

Mr. Purshotham S Joshi, Business Manager SAEINDIA Bengaluru section, gave a t echnical talk on "ATV"S from scrap to super structure" inspiring talk to the students on 25th October 2016.



Swachh Bharath Abhiyan - Swachh Campus





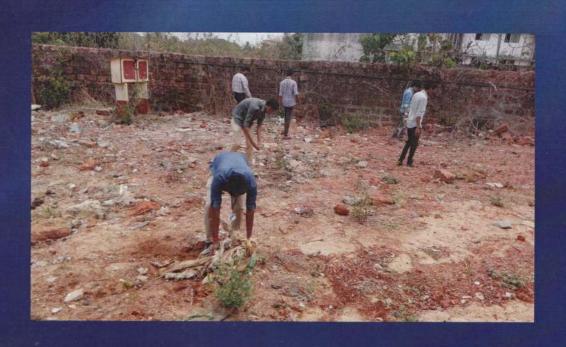




AMARA association, Aeronautical and Automobile Engineering Department organized "Swachh Bharath Abhiyan - Swachh Campus" cleaning program on 5th November 2016.







Vision 20-20

The Department of Aeronautical and Automobile Engineering and AMARA Association, Srinivas Institute of Technology, Valachil, Mangaluru, organised a Talk on "Vision 20-20 Or. Kalam's Motivation for Youths of India" on 31/01/2017 by Mr. K Jayaprakash Rao, Former regional PRO, Defence Research and Development Organisation, Ministry of Defence, Govt. of India.





Hands on course on JAVA

The two day workshop on "Hands on course on JAVA for Beginners, HCJ - 2017" on 04 - **05 March 2017** in the Department of Aeronautical Engineering, Srinivas Institute of **Technology, Ma**ngaluru.





Vruksha- Green Initiative

By planting trees on 5/4/2017 Automobile Department started "Vruksha" - green initiative event under AMARA association, Srinivas Institute of Technology Valachil, Mangaluru



Technical Talk on Aircraft Maintenance and Job opportunities in Aeronautical Engineering

The Department of Aeronautical Engineering and AMARA Association, Srinivas Institute of Technology, Valachil, Mangaluru, organised a Technical Talk on "Aircraft Maintenance and Job opportunities in Aeronautical Engineering" on 26/04/2017 by Prof. Ramesh Kumar, Department of Aeronautical Engineering, Srinivas Institute of Technology.





Micro Flight Aircraft workshop

Department of Aeronautical Engineering, Srinivas Institute of Technology, **Mangaluru** and ASP Design Centre Pvt. Ltd., organized a Flying lesson on X-**Air Micro** Flight Aircraft workshop on 31st March 2017 at Mysuru Domestic **Airport**, Mysuru. Fifteen students of 4th and 6th semester of Aeronautical **Engineering** Department actively participated in the workshop.





Industrial Visits

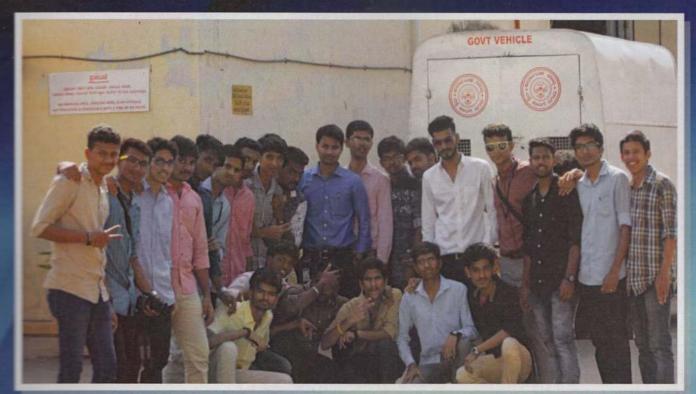




Automobile Engineering department organized industrial visit for the students of V Semester to AUTOMOTIVE AXLES LIMITED, MY-SORE and BEML LIMITED, MYSORE on 19/08/2016.



Department of Automobile engineering organized a one day industrial visit to "M T and T" Chennai. A total 25 students of 6th semester along with 2 faculties visited the industry.



Department of Automobile engineering organized a one day industrial visit to **XSRIC regional** workshop kengeri, Bengaluru". Students of 4th semester along with faculty visited the industry.



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Linguiseering had orga
Let Airways HangLet Airway and learnt about
Let Airway and learnt stages of AirLet Airway Haintenance.



Academic Exellence

Aeronautical Engineering

Rank,	<u>Name</u>	USN	<u>Year</u>
First	Maldren Joyce	4SN13AE014	3rd
Second	Subhash Punichathaya	4SN13AE035	3rd
First	Shruthi N	4SN14AE038	2rd
Second	Sowmya Devang	4SN14AE039	2 rd

Automobile Engineering

Rank,	<u>Name</u>	<u>USN</u>	Year
First	Hithesh Kumar A	4SN13AU022	31
Second	Joshua Pererira	4SN14AU402	31
First	Praveena	4SN14AU043	2 rd
Second	Iwalin mascarenhas	4SN14AU026	2"

Best Outgoing Students

Name
Prajath J Shetty

Maldren Joyce

Department
Automobile engineering
Aeronautical engineering

GATE Rank Holder



RAJ GOPAL G

Rank: 325

Placements



Prajath J Shetty (AU) Nandi Toyota

> Rajath J Shetty (AU) Nandi Toyota





Joshua Pereira (AU) Nandi Toyota

Valson Vivian D'souza (AU) Nandi Toyota



Placements....



Divya Sherien Philip(AE) Infosys

> SandeepDuvani (AE) Diya Systems





Yasmeen Banu P(AE) Q-spiders

Maldren Joyce(AE)
SLK Softwares



Office Bearers





Sitting (From left to right): Ms. Pavana, Mr. Jagadish, Mr. Deepak Raj, Mr. Madhesh, Dr. Shrinivasa Mayya D., Dr. Ramakrishna N Hegde, Mr. Pur-

Standing 1st row (From left to right): Nireeksha, Tanvi J Heraje, Divya Sherin Philip, Karishma Rathod, Yasmeenbanu P, Deeksha, R.Nithyashree, Aishwarya Rai, Sahana Shridhar Shanbhag, Soumya H V, Sona Sebastian, Yasirabi K T

Standing 2nd row (From left to right): Raj Gopal G, Tejas S Pal, Aabid Husen Hakeem, Ashifkhan, Ravikiran Madiger, Praveenkumar V Ghatti, Krunal K. Vernekar, Subhash Punichathaya K. Farhan B. T., Ravikumar C. Umesh

Standing 3rd row (From left to right): Nagraj S, Mutturaj Girennavar, Prajwal R, Siddana Gowda P Patil, Anil Kumar, Subodh H M, Sudesh Kini M,

Automobile Engineering- Batch of 2013



Sitting Left to Right Mr. Srinidlii, Mr. Santhosh Kumar, Mr. Prakash S T, Mr. Amithkumar H, Mr. Jerome Anthony, Dr. Shrinivasa Mayya.D, Or. Ramakrishna N Hegde, Mr. Ramaswamy, Mr. Prajwal S, Mr. Girish AR, Mr. Varun N. Standing 1st row Left to Right: Kamil S, Jayesh R, Linto A, Fijarold F, Avinash, Fazalu R, Pavan, Prajwal P, Nithin, Inanesh N, Sumit G, Deepak I, Jaise KI

Standing 2nd row Left to Right: Vaishnav, Chethan, Mohammed N, Joshuva P, Rajath shetty, Prajath shetty, Royd N, Valson D, Anoop, Tushar S

Standing 3rd row Left to Right: Tejo K, Sayanth M, Sandeep K, Adarsh, Hitesh, Deepak

Technical Achievements

Navaneesh N Amin, Yadav Pooja C & Yadav Ganesh C (3rd Year, AE).

Secured 1st place in Technical Quiz at Sentia, MITE-2017.

<u> **Pavan</u> Badiger L Yuvaraj (3rd Year, AE).**</u>

Secured 2nd place in Civil Mania at Sambhram ,SDIT-2017.

Jeevith KP & Varuni(AE)

Secured 2nd place in Glider flying at Sambhram ,SDIT-2017.

Abdul Falah & Abubakar Siddiq S(3rd Year, AE).

Secured 1st place in Rubik's Cube event at Envision-2017.

ALTIUS-2017, Treasure Hunt-2nd place:

Team members: Rakesh, Razin, Gagan, Dikshep, Ashrith,

Amaresh, Deekshith & Akash.

Envision-2017, Treasure Hunt-1st place:

Team members: Rakesh, Razin, Gagan, Dikshep, Ashrith,

Amaresh, Deekshith & Akash.

Students of Automobile engineering formed SAE INDIA COLLEGIATE CLUB.

- ⇒ The members of SAEINDIA Colligate Club cleared the initial round and are participating in the main event of SAE Mahindra BAJA 2018 and Enduro Student India 2018. Research and Development for the Virtual design report of the project which was held on July 2017 and secured All India 65th rank for Enduro Student India and have been qualified for the main events and will be fabricating the vehicle in the month of September 2017.
- ⇒ The following team presented technical papers in

 "Topical Transend In Mechanical Technology" organized
 by Department of Mechanical Engineering, "SJB Institute of Technology". And the paper is published by

 "International Digital Library of technology and Research" (Scopus Indexed).

 "Indexed).

 "The following team presented technology" organized

 "SJB Institute of Technology". And the paper is published by

 "International Digital Library of technology and Research" (Scopus Indexed).

 "The following team presented technical papers in

 "SJB Institute of Technology".

 "SJB Institute of Technology".

 "International Digital Library of technology and Research" (Scopus Indexed).

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 "SJB Institute of Technology".

 "International Digital Library of technology and Research" (Scopus Indexed).

 "The following team presented technical papers in

 "SJB Institute of Technology".

 "International Digital Library of technology and Research" (Scopus Indexed).

 "The following team presented technical papers in

 "The following team presented technology" or papers in

 "The following team presented t

Topic: Experimental investigation of Bio lubricant formulated from chemically modified castor oil.

Presented by: Mr. Girish A.R.

Mr. Valson Vivian D'souza

Mr. Deepak John

Mr. Thushar R.P Shindhe

Topic: Experimental study on physical & chemical behavior of modified Neem oil for lubrication of Transmission system.

Presented by: Mr. Jerome Anthony

Mr. Deepak

Mr. Jnanesh Nayak

Mr. Karthik Bharadwaj

Mr. Nithin Kumar K

Topic: Design & modification of Electrical Motorcycle with progressive transmission

Presented by: Mr. Jerome Anthony

Mr. Prajath J Shetty

Mr. Sandeep Kumar

Mr. Royd Noronha

Mr. Kamil Salih.

Topic: Design & Fabrication of foldable Electrical bicycle

Presented by: Mr. Santhosh Kumar K

Mr. Prajwal Kumar V

Mr Joshua Periera

Mr. Chethan

Mr. Hitesh Kumar A

Project Achievements

All the three final year projects of Aeronautical & Automobile Engineering have been sponsored by KSCST(Karnataka State Council for Science & Technology).

Project Guide: Mr. DeepakRaj PY

Project Members:Sandeep Duvani,Kunal K Vernekar,Karishma L Ravikumar C.

⇒ "Design & Fabrication of Foldable Electric Tricycle"

Project Guide: Mr. Santhosh kumar

Project Members: Hithesh Kumar A, Chethan, Joshua Periera & Prajwal Kumar V.

⇒ "Design & Fabrication of Turbocharger for Two Wheeler With Zero Turbo Lag"

Project Guide: Mr.Prakash S.T

Project Members: Linto Antony, Sayanth M, Vaishnav & Fijorold Francis.

Sports Achievements

Jacky Christon A Fernandes

Sports Secretary, Srinivas Institute of Technology

secured silver medal in shotput throw in VTU athletics
sports meet.

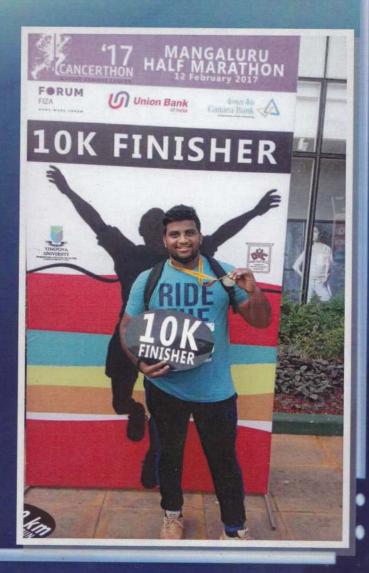




Secured 2nd I 3rd place in shotput and Discus throw organized at Manipal revel's cup.



Cancerthone 10Km marathon finisher.





Chandan.A.Y represented SIT in VTV single zone cross country tournament held at KIT, Tiptur and won the 12.5 K VTV Cross country championship.



Represented SIT in VTU
Mangalore zone basketball
tournament held at NMAMIT, Nitte.

Participated in 10KM
Yenepoya University Marathon and 10KM Nitte Marathon held at Mangala stadium, Magaluru



Chandan.A.Y, Jeevith.K.P and Milind Mohan.D.P represented SIT in VTV Mangalore zone hockey tournament held at NMAMIT, Nitte.







Jeevith KP (AE) represented SIT in VTV single zone cross country tournament held at KIT, Tiptur and won the 12.5 KVTV Cross country championship.



Runners in VTU Handball Mangalore Zone



Jacky Christon A Fernnendes, Inanesh Nayak,
Tippanna Kolli & Nithin. Represented college Handball team and secured second place organized by
VTU, Belgavi 2017.



Nehal Shetty participated in VTU athletics sports meet and also in Revels Cup, Manipal.



Swapnil S Bhat participated in Kabaddi tournament at VTU level



Adithya NC participated in Kabaddi L Volley Ball tournament at VTU level



⇒ Prashanth K & L
Praveen B VTU level
KHO –KHO Runner's up.



Anupam, Jeevith, Chandhan & Aiyanna represented SIT in VTU inter-zone Hockey Tournament held at NITTE.

Athletic Champions Revels Cup



Revel Cup Champions at Manipal Institute of Technology 2017-2018

From left, Chandan Gowda, Jacky Christon, Nehal

- Inter-Department Pro kabaddi championship Department of Automobile engineering secured first place in inter-department pro kabddi championship organized by SIT, Mangalore
- ⇒ Inter— Department Volly Ball Championship
 Department of Automobile engineering secured
 first place in inter-department Volly Ball championship organized by SIT, Mangalore
- ⇒ ALTIUS Lagori winners

 Rakesh, Razin, Gagan, Dikshep, Ashith, Amresh,

 Deekshith, Akash

 Students of Aeronautical engineering avon first

Students of Aeronautical engineering won first place in lagori event organized at ALTIUS





Editorial committee

Executive Editor

Chief Editor

- Dr. Ramakrishna .N .Hegde
- Mr. Deepak Raj .P.Y

Mr. Jerome Anthony

Editorial Wing

Tejas Pal

Bhoomika

Deeksha

Mainuddin A

Subhodh H M

Soumya K

Sahana

Pooja M

Navaneesh N A

Raguveer

Aaqil

Ganesh Thammaiah

Akshay V



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